I'm not robot	2
	reCAPTCHA

I'm not robot!

Device policy manager android example

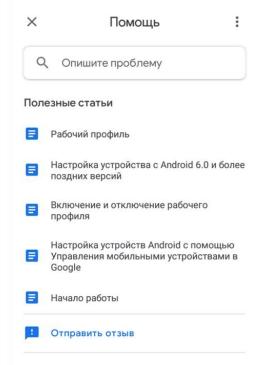
What is android device policy.

Public interface for managing policies enforced on a device. Most clients of this class must be registered with the system as a device administrator. Additionally, a device administrator may be registered as either a profile or device owner

20:29

... * Ø * ® **

String EXTRA PASSWORD COMPLEXITY An integer indicating the complexity level of the new password an app would like the user to set when launching the action ACTION SET NEW PASSWORD.



A given method is accessible to all device administrators unless the documentation for that method specifies that it is restricted to either device or profile owners. Any application calling an api may only pass as an argument a device administrator component it owns. Otherwise, a SecurityException will be thrown. class DevicePolicyManager.InstallSystemUpdateCallback used in DevicePolicyManager.InstallSystemUpdateCallback used in DevicePolicyManager.OnClearApplicationUserDataListener Callback used in DevicePolicyManager.OnClearApplicationUserDataListener) to indicate that there was an error while trying to install an update. interface DevicePolicyManager.OnClearApplicationUserDataListener Callback used in DevicePolicyManager.OnClearApplicationUserDataListener) to indicate that the clearing of an application sak the user to add a new device administrator to the system. String ACTION_ADD_DEVICE_ADMIN_POLICY_COMPLIANCE Activity action: sak the user to add a new device administrator to the system. String ACTION_ADD_DEVICE_ADMIN_POLICY_COMPLIANCE Activity action: sak the user to add a new device administrator to the system. String ACTION_DEVICE_ADMIN_POLICY_COMPLIANCE Activity action: sak the user to add a new device administrator to the system. String ACTION_DEVICE_ADMIN_String ACTION_String ACTION_String ACTION_String ACTION_String ACTION_String ACTION_DEVICE_ADMIN_String ACTION_DEVICE_ADMIN_String ACTION_DEVICE_ADMIN_String ACTION_DEVICE_Broadcast action: sent when the device owner and profile owner can optionally own. String ACTION_DEVICE_POLICY_RESOURCE_UPDATED Broadcast action: notify system apps (e.g. settings, SysUI, etc) that the device management resources with IDs EXTRA_RESOURCE_IDS has been updated, the updated resources can be retrieved using DevicePolicyResourcesManager#getDrawable and DevicePolicyResourcesManager#getDrawable and DevicePolicyResourcesManager#getDrawable and DevicePolicyResourcesManager#getDrawable and DevicePolicyResourcesManager#getDrawable and DevicePolicyResourcesManager#getDrawable

Android 6.0 (API 23)

SOK Platform

23 3 Installed

Android TV ARM EABI v7a System Image

Android TV Intel x86 Atom System Image

Android Wear ARM EABI v7a System Image

Android Wear Intel x86 Atom System Image

And EABI v7a System Image

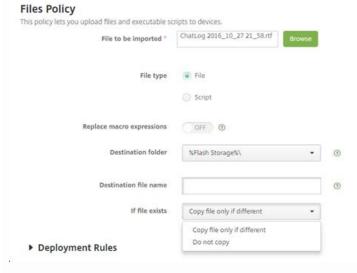
23 6 Not installed

AND EABI v7a System Image

23 6 Not consatible with Mac O

String ACTION GET PROVISIONING MODE Activity action: Starts the administrator to get the mode for the provisioning, String ACTION PROFILE PROVISIONING SUCCESSFUL Activity action: This activity action: This broadcast action: en anaged profile has ACTION PROVISION MANAGED DEVICE This constant was deprecated in API level 31. to support build.VERSION CODES.S and later, admin apps must implement activities with intent filters for the ACTION ADMIN POLICY COMPLIANCE intent actions; using ACTION PROVISION MANAGED DEVICE to start provisioning to fail; to additionally support pre-Build.VERSION CODES.S, admin apps must also continue to use this constant.

String ACTION PROVISION MANAGED PROFILE Activity action: Starts the provisioning flow which sets up a managed profile. String ACTION SET NEW PARENT PROFILE PASSWORD Activity action: have the user enter a new password for the parent profile. String ACTION SET NEW PASSWORD Activity action: have the user enter a new password. String ACTION START ENCRYPTION Activity action: Starts the provisioning flow which sets up a managed profile. String ACTION START ENCRYPTION STATUS ENCRYPTION STATUS ENCRYPTION START ENCRYPTION START ENCRYPTION STATUS ENCRYPTION Encryption is active, in the intent actions; using active and administrator control and administrator control



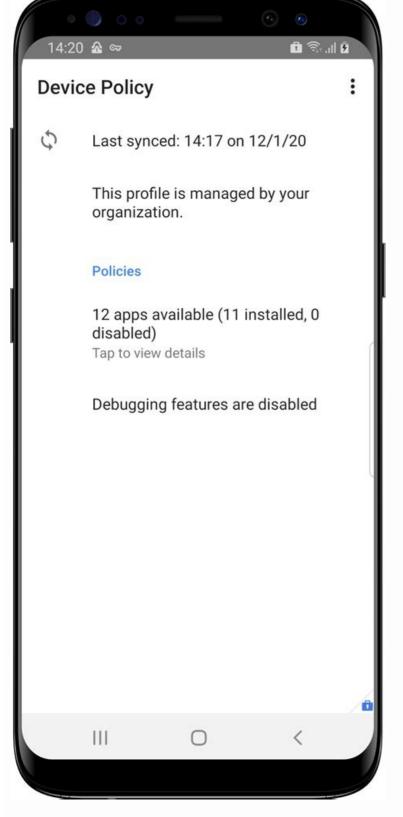
String EXTRA_PROVISIONING_ACCOUNT_TO_MIGRATE An Account extra holding the account to migrate during managed profile provisioning. String EXTRA_PROVISIONING_ADMIN_EXTRAS_BUNDLE A Parcelable extra of type PersistableBundle that allows a mobile device management application or NFC programmer application which starts managed provisioning to pass data to the management application instance after provisioning. String EXTRA_PROVISIONING_ALLOW_OFFLINE A boolean extra indicating whether offline provisioning is allowed. String EXTRA_PROVISIONING_DEVICE_ADMIN_COMPONENT_NAME A ComponentName extra indicating the device admin provisioning is allowed. String EXTRA_PROVISIONING_DEVICE_ADMIN_MINIMUM_VERSION_CODE An int extra holding a minimum required version code for the device of the mobile device admin package. String EXTRA_PROVISIONING_DEVICE_ADMIN_PACKAGE_DOWNLOAD_LOCATION. String extra holding the URL-safe base64 encoded SHA-256 hash of the file at download location specified in EXTRA_PROVISIONING_DEVICE_ADMIN_PACKAGE_DOWNLOAD_LOCATION. String extra holding a http cookie header which should be used in the http request to the url specified in EXTRA_PROVISIONING_DEVICE_ADMIN_PACKAGE_DOWNLOAD_LOCATION. String extra holding a url that specifies the download location of the device admin package. String EXTRA_PROVISIONING_DEVICE_ADMIN_PACKAGE_DOWNLOAD_LOCATION as string extra holding a url that specifies the download location of the device admin package. String EXTRA_PROVISIONING_DEVICE_ADMIN_PACKAGE_DOWNLOAD_LOCATION as string extra holding a url that specifies the download location of the device admin package. String EXTRA_PROVISIONING_DEVICE_ADMIN_PACKAGE_DOWNLOAD_LOCATION. String EXTRA_PROVISIONING_DEVICE_ADMIN_SIGNATURE_CHECKSUM A String extra holding the URL-safe base64 encoded SHA-256 checksum of any signature of the android package archive at the download location specified in EXTRA_PROVISIONING_DEVICE_ADMIN_PACKAGE_DOWNLOAD_LOCATION.

String EXTRA_PROVISIONING_DISCLAIMER_CONTENT A Uri extra pointing to disclaimer content. String EXTRA_PROVISIONING_DISCLAIMER_HEADER A String extra of localized disclaimer header. String EXTRA_PROVISIONING_IMEI A string extra holding the IMEI (International Mobile Equipment Identity) of the device. String EXTRA_PROVISIONING_KEEP_SCREEN_ON This constant was deprecated in API level 34. from Build.VERSION_CODES.UPSIDE_DOWN_CAKE, the flag wouldn't be functional. The screen is kept on throughout the provisioning when set to true.

String EXTRA_PROVISIONING_LOCALE A String extra holding the Locale that the device will be set to. String EXTRA_PROVISIONING_LOCALE_TIME A Long extra holding the was deprecated in API level 33.

String EXTRA_PROVISIONING_LOCAL A String extra holding the Locale that the device will be set to. String EXTRA_PROVISIONING_LOGO_URI This constant was deprecated in API level 33.

Logo customization is no longer supported in the provisioning flow. String EXTRA_PROVISIONING_MODE An intent extra holding the provisioning mode returned by the administrator. String EXTRA_PROVISIONING_SENSORS_PERMISSION_GRANT_OPT_OUT A boolean extra indicating the admin of a fully-managed device opts out of controlling permissions, see setPermissionGrantState(android.content.ComponentName, java.lang.String, java.lang.String, int). String EXTRA_PROVISIONING_SERIAL_NUMBER A string extra holding the serial number of the device. String EXTRA_PROVISIONING_SENSORS_PROVISIONING_SERIAL_NUMBER A string extra holding the serial number of the device policy management role holder via EXTRA_RESULT_LAUNCH_INTENT. String EXTRA_PROVISIONING_SKIP_EDUCATION_SCREENS A boolean extra indicating if the education screens from the provisioning flow should be skipped. String EXTRA_PROVISIONING_SKIP_EDUCATION_SKIP_EDUCATION_SKIP_ENCRYPTION A boolean extra indicating whether device encryption can be skipped as part of device owner or managed profile provisioning. String EXTRA_PROVISIONING_TIME_ZONE A String extra holding the time zone AlarmManager that the device will be set to.



String EXTRA PROVISIONING WIFL DATA A boolean extra indicating if mobile data should be used during the provisioning flow for downloading the admin app. String EXTRA PROVISIONING WIFL CA CERTIFICATE The CA certificate of the wifi network in EXTRA PROVISIONING WIFL SSID. String EXTRA PROVISIONING WIFL SSID and could be one of PEAP, TLS, TTLS, PWD, SIM, AKA or AKĀ PRIME.

String EXTRA PROVISIONING WIFL HIDDEN A boolean extra indicating whether the wifi network in EXTRA PROVISIONING WIFL IDENTITY The identity of the wifi network in EXTRA PROVISIONING WIFL SSID. String EXTRA PROVISIONING WIFL PROXY SID. String EXTRA PROVISIONING WIFL PROXY SID. String EXTRA PROVISIONING WIFL PROXY HOST. A String extra holding the proxy bytes for the wifi network in EXTRA PROVISIONING WIFL SSID. String EXTRA PROVISIONING WIFL SSID. Str



int FLAG_MANAGED_CAN_ACCESS_PARENT Flag used by addCrossProfileIntentFilter(ComponentName, IntentFilter, int) to allow activities in the parent profile to access intents sent from the managed profile in the parent profile to access intents sent from the managed profile into access intents sent from the parent profile into access intents sent from the managed profile into access intents sent from the managed profile into access intents sent from the parent profile into access intents sent from the managed profile into access intents sent from the device should attest its manufacturer details. int ID_TYPE_INDIVIDUAL_ATTESTATION Specifies that the device should attest its manufacturer details. int ID_TYPE_INDIVIDUAL_ATTESTATION Specifies that the device should attest its manufacturer details. int ID_TYPE_INDIVIDUAL_ATTESTATION Specifies that the device should attest its manufacturer details. int ID_TYPE_INDIVIDUAL_ATTESTATION Specifies that the device should attest its manufacturer details. int ID_TYPE_INDIVIDUAL_ATTESTATION Specifies that the device should attest its manufacturer details. int ID_TYPE_INDIVIDUAL_ATTESTATION Specifies that the device should attest its manufacturer details. int ID_TYPE_INDIVIDUAL_ATTESTATION Specif

LOCK_TASK_FEATURE_BLOCK_ACTIVITY_START_IN_TASK Enable blocking of non-allowlisted activities from being started into a locked task. int LOCK_TASK_FEATURE_HOME Enable the Home button during LockTask mode. int LOCK_TASK_FEATURE_KEYGUARD Enable the keyguard during LockTask mode. int LOCK_TASK_FEATURE_NONE Disable all configurable SystemUI features during LockTask mode. int LOCK_TASK_FEATURE_NOTIFICATIONS Enable the Overview button and the Overview button button and the Overview button and the Overview button and the Overview button

was added in version Build.VERSION_CODES.N, but it never had any effect. int KEYGUARD_DISABLE_SECURE_NOTIFICATIONS Disable showing all notifications on secure keyguard screens (e.g. PIN/Pattern/Password) int KEYGUARD_DISABLE_SECURE_NOTIFICATIONS Disable showing all notifications on secure keyguard screens (e.g. PIN/Pattern/Password) int KEYGUARD_DISABLE_SECURE_NOTIFICATIONS Only allow redacted notifications on secure keyguard screens (e.g. PIN/Pattern/Password) int KEYGUARD_DISABLE_UNREDACTED_NOTIFICATIONS Only allow redacted notifications on secure keyguard screens (e.g. PIN/Pattern/Password) int KEYGUARD_DISABLE_UNREDACTED_NOTIFICATIONS Only allow redacted notifications on secure keyguard screens (e.g. PIN/Pattern/Password) int KEYGUARD_DISABLE_UNREDACTED_NOTIFICATIONS Only allow redacted notifications on secure keyguard screens (e.g. PIN/Pattern/Password) int

KEYGUARD_DISABLE_WIDGETS_ALL Disable all keyguard widgets. int LEAVE_ALL_SYSTEM_APPS_ENABLED Flag used by createAndManageUser(ComponentName, PersistableBundle, int) to specify that the newly created user should skip the disabling of system apps during provisioning. int

```
Flag used by createAndManageUser(ComponentName, String, ComponentName, PersistableBundle, int) to specify that the user should be created ephemeral. String MIME TYPE PROVISIONING NFC This MIME type is used for starting the device owner provisioning. int MTE DISABLED Require that MTE be disabled on the device. int
MTE ENABLED Require that MTE be enabled on the device, if supported int MTE NOT CONTROLLED BY POLICY Allow the user to choose whether to enable MTE on the device int NEARBY STREAMING DISABLED Indicates that nearby streaming is disabled. int NEARBY STREAMING ENABLED Indicates that nearby streaming is enabled. int
NEARBY STREAMING NOT CONTROLLED BY POLICY Indicates that nearby streaming is allowed. int NEARBY STREAMING SAME MANAGED ACCOUNT ONLY Indicates that nearby streaming is allowed. int NEARBY STREAMING NOT CONTROLLED BY POLICY Indicates that nearby streaming is allowed. int NEARBY STREAMING NOT CONTROLLED BY POLICY Indicates that nearby streaming is allowed. int NEARBY STREAMING NOT CONTROLLED BY POLICY Indicates that nearby streaming is allowed. int NEARBY STREAMING NOT CONTROLLED BY POLICY Indicates that nearby streaming is not controlled by policy, which means nearby streaming is not controlled by policy.
int OPERATION SAFETY REASON DRIVING DISTRACTION Indicates that a UnsafeStateException was thrown because the operation would distract the driver of the vehicle. int PASSWORD COMPLEXITY LOW Constant for getPasswordComplexity() and setRequiredPasswordComplexity(int). int PASSWORD COMPLEXITY LOW Constant for getPasswordComplexity() and setRequiredPasswordComplexity() and setRequiredPassword
getPasswordComplexity() and setRequiredPasswordComplexity(int). int PASSWORD COMPLEXITY MEDIUM Constant for getPasswordComplexity(int). int PASSWORD COMPLEXITY MEDIUM Constant for getPasswordComplexity() and setRequiredPasswordComplexity() and se
 PASSWORD QUALITY ALPHABETIC Constant for setPasswordQuality(ComponentName, int): the user must have entered a password containing at least alphabetic (or other symbol) characters.
int PASSWORD_QUALITY_BIOMETRIC_WEAK Constant for setPasswordQuality(ComponentName, int): the user must have entered a password Quality(ComponentName, int): the policy allows for low-
security biometric recognition technology. int PASSWORD_QUALITY_COMPLEX Constant for setPasswordQuality(ComponentName, int): allows the password Should contain to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set precisely how many characters of various types the passwordQuality(ComponentName, int): allows the admin to set passwordQuality(ComponentName, int): allows the admin to the admin to the admin to the 
int): the user must have entered a password containing at least numeric characters with no repeating (4444) or ordered (1234, 4321, 2468) sequences
int PASSWORD_QUALITY_SOMETHING Constant for setPasswordQuality(ComponentName, int): the policy requires some kind of password or pattern, but doesn't care what it is. int PASSWORD_QUALITY_UNSPECIFIED Constant for setPasswordQuality(ComponentName, int): the policy has no requirements for the password. int
PERMISSION GRANT STATE DEFAULT Runtime permission state: The permission state: The permission state: The permission state before the permission of the UI. int PERMISSION GRANT STATE DEFAULT Runtime permission state: The permission state of the permission of the UI. int PERMISSION GRANT STATE DEFAULT Runtime permission of the UI. int PERMISSION GRANT STATE DEFAULT Runtime permission of the UI. int PERMISSION GRANT STATE DEFAULT Runtime permission of the UI. int PERMISSION GRANT STATE DEFAULT Runtime permission of the UI. int PERMISSION GRANT STATE DEFAULT Runtime permission of the UI. int PERMISSION GRANT STATE DEFAULT Runtime permission of the UI. int PERMISSION GRANT STATE DEFAULT Runtime permission of the UI. int PERMISSION GRANT STATE DEFAULT Runtime permission of the UI. int PERMISSION GRANT STATE DEFAULT Runtime permission of the UI. int PERMISSION GRANT STATE DEFAULT RUNTIME DEFAULT RUNTIME PERMISSION GRANT STATE PERMISSIO
permission state: The permission is granted to the app and the user cannot manage the permission requests for runtime permissions. int PERMISSION POLICY AUTO GRANT Permission policy to always grant new permission requests for runtime permissions.
runtime permissions. int PERMISSION POLICY PROMPT Permission policy to prompt user for new permissions int PERSONAL APPS SUSPENDED EXPLICITLY
 Flag for getPersonalAppsSuspendedReasons(ComponentName) return value. int PERSONAL APPS SUSPENDED PROFILE TIMEOUT Flag for getPersonalAppsSuspendedReasons(ComponentName) return value. String POLICY DISABLE SCREEN CAPTURE
Constant to indicate the feature of disabling screen captures. int PRIVATE_DNS_MODE_OFF Specifies that the device owner requested opportunistic DNS over TLS int PRIVATE_DNS_MODE_PROVIDER_HOSTNAME Specifies that the device owner requested opportunistic DNS over TLS int PRIVATE_DNS_MODE_PROVIDER_HOSTNAME Specifies that the device owner requested opportunistic DNS over TLS int PRIVATE_DNS_MODE_PROVIDER_HOSTNAME Specifies that the device owner requested opportunistic DNS over TLS int PRIVATE_DNS_MODE_PROVIDER_HOSTNAME Specifies that the device owner requested opportunistic DNS over TLS int PRIVATE_DNS_MODE_PROVIDER_HOSTNAME Specifies that the device owner requested opportunistic DNS over TLS int PRIVATE_DNS_MODE_PROVIDER_HOSTNAME Specifies that the device owner requested opportunistic DNS over TLS int PRIVATE_DNS_MODE_PROVIDER_HOSTNAME Specifies that the device owner requested opportunistic DNS over TLS int PRIVATE_DNS_MODE_PROVIDER_HOSTNAME Specifies that the device owner requested opportunistic DNS over TLS int PRIVATE_DNS_MODE_PROVIDER_HOSTNAME Specifies that the device owner requested opportunistic DNS over TLS int PRIVATE_DNS_MODE_PROVIDER_HOSTNAME Specifies that the device owner requested opportunistic DNS over TLS int PRIVATE_DNS_MODE_PROVIDER_HOSTNAME Specifies that the device owner requested opportunistic DNS over TLS int PRIVATE_DNS_MODE_PROVIDER_HOSTNAME Specifies that the device owner requested opportunistic DNS over TLS int PRIVATE_DNS_MODE_PROVIDER_HOSTNAME Specifies that the device owner requested opportunistic DNS_MODE_PROVIDER_HOSTNAME Specifies that the device owner requested of the device of the devic
configured a specific host to use for Private DNS. int PRIVATE_DNS_MODE_UNKNOWN Specifies that the Private DNS setting is in an unknown state. int PRIVATE_DNS_SET_ERROR_HOST_NOT_SERVING If
the privateDnsHost provided was of a valid hostname but that host was found to not support DNS-over-TLS. int PROVISIONING MODE FULLY MANAGED DEVICE The provisioning mode for fully managed device. int PROVISIONING MODE MANAGED PROFILE The
provisioning mode for managed profile. int PROVISIONING MODE MANAGED PROFILE ON PERSONAL DEVICE The provisioning mode for a managed profile on a personal device. int RESET PASSWORD DO NOT ASK CREDENTIALS ON BOOT Flag for resetPasswordWithToken(ComponentName, String, byte, int) and resetPassword(String, int)
don't ask for user credentials on device boot. int RESET_PASSWORD_REQUIRE_ENTRY Flag for resetPassword(String, int): don't allow other admins to change the password again until the user has entered it. int SKIP_SETUP_WIZARD Flag used by
createAndManageUser(ComponentName, String, ComponentName, PersistableBundle, int) to skip setup wizard after creating a new user.
int WIFI SECURITY ENTERPRISE 192 Constant for getMinimumRequiredWifiSecurityLevel() and setMinimumRequiredWifiSecurityLevel(int); enterprise EAP network.
int WIFI_SECURITY_OPEN Constant for getMinimumRequiredWifiSecurityLevel() and setMinimumRequiredWifiSecurityLevel(int): no minimum security level. int WIFI_SECURITY_PERSONAL Constant for getMinimumRequiredWifiSecurityLevel(int): no minimum security level.
WIPE EUICC Flag for wipeData(int): also erase the device's eUICC data.
int WIPE_EXTERNAL_STORAGE Flag for wipeData(int): also erase the device's external storage (such as SD cards). int WIPE_RESET_PROTECTION_DATA Flag for wipeData(int): also erase the factory reset protection data. int WIPE_SILENTLY Flag for wipeData(int): won't show reason for wiping to the user.
void acknowledgeDeviceCompliant() Called by a profile owner of an organization-owned managed profile to acknowledge that the device is compliant and the user can turn the profile off if needed according to the maximum time off policy.
void addCrossProfileIntentFilter(ComponentName admin, IntentFilter filter, int flags) Called by the profile owner of a managed profile owner own
a managed profile or a holder of the permission Manifest.permission.MANAGE DEVICE POLICY PROFILE INTERACTION to enable widget providers from a given package to be available in the parent profile owner to add an override
APN. void addPersistentPreferredActivity(ComponentName admin, IntentFilter filter, ComponentName activity) Called by a profile owner or device owner or a device owner or device owner or a device owner or device owner or device owner or device owner or a device owner or a device owner or device owner o
holder of any permission that is associated with a user restriction to set a user restriction to
bindDeviceAdminServiceAsUser(ComponentName admin, Intent serviceConnection conn, int flags, UserHandle targetUser) Called by a device owner to bind to a service from a secondary managed user or vice versa. boolean bindDeviceAdminServiceAsUser(ComponentName admin, Intent serviceIntent, ServiceConnection conn, int flags, UserHandle targetUser) Called by a device owner to bind to a service from a secondary managed user or vice versa.
Context.BindServiceFlags flags, UserHandle targetUser) See bindDeviceAdminServiceAsUser(android.content.ServiceConnection, int, android.content.ServiceConnection, int
related to device sensors. boolean canUsbDataSignalingBeDisabled() Returns whether enabling use data signaling use data signali
or profile owner to clear application user data of a given package. void clearCrossProfileIntentFilters(ComponentName admin) Called by a profile to the managed profile to the parent, or from the parent to the managed profile. void clearDeviceOwnerApp(String
packageName) This method was deprecated in API level 26. This method is expected to be used for testing purposes only. The device owner will lose control of the device owner factory resets the device instead of calling this
method. See wipeData(int). void clearPackagePersistentPreferredActivities(ComponentName admin, String packageName) Called by a profile owner or holder of the permission.MANAGE DEVICE POLICY LOCK TASK to remove all persistent intent handler preferences associated with the given package that were
set by addPersistentPreferredActivity(ComponentName, IntentFilter, ComponentName). void clearProfileOwner(ComponentName admin) This method is expected to be used for testing purposes only. The profile owner will lose control of the user and its data after calling it. In order to protect any sensitive
data that remains on this user, it is advised that the profile owner deletes it instead of calling this method. See wipeData(int). boolean clearResetPasswordToken(ComponentName admin) Called by a profile, device owner or holder of the permission. MANAGE_DEVICE_POLICY_RESET_PASSWORD to revoke the current password.
reset token. void clearUserRestriction(ComponentName admin, String key) Called by a profile owner or a holder of any permission that is associated with a user restriction to clear a user restriction specified by the key.
Intent createAdminSupportIntent(String restriction) Called by any app to display a support dialog when a feature was disabled by an admin. UserHandle createAndManageUser(ComponentName admin, String name, ComponentName profileOwner, PersistableBundle adminExtras, int flags) Called by a device owner to create a user with the specified
name and a given component of the calling package as profile owner. int enableSystemApp(ComponentName admin, Intent intent) Re-enable system apps by intent that were disabled by default when the user was initialized. void enableSystemApp(ComponentName admin, Intent intent) Re-enable a system app that was disabled by default
when the user was initialized. AttestedKeyPair generateKeyPair (ComponentName admin, String algorithm, KeyGenParameterSpec keySpec, int idAttestationFlags) This API can be called by the following to generate a new private/public key pair: If the device supports key generation via secure hardware, this method is useful for creating a key in
KeyChain that never left the secure hardware. String[] getAccountTypesWithManagementDisabled() Gets the array of accounts for which account management is disabled by the profile owner or device owner.
List getActiveAdmins() Return a list of all currently active device administrators' componentName admin) Returns the set of affiliationIds(ComponentName admin) Returns the set 
device or profile owner to guery the set of packages that are allowed to access the network directly when always-on VPN is in lockdown mode but not connected. String getAlwaysOnVpnPackage (ComponentName admin) Called by a device or profile owner to read the name of the package administering an always-on VPN connection for the current
user. Bundle getApplicationRestrictions(ComponentName admin, String packageName) Retrieves the application restrictions for a given target application restrictions for a given target application restrictions for a given target application running in the calling user. String getApplication restrictions for a given target application restrictions for a given target application running in the calling user. String getApplication restrictions for a given target application running in the calling user.
getDelegatePackages(ComponentName, String) with the DELEGATION APP RESTRICTIONS scope instead. boolean getAutoTimeEnabled(ComponentName admin) Returns true if auto time is enabled on the device. boolean getAutoTimeRequired() This method was deprecated in API level 30. From Build.VERSION CODES.R. Use
 getAutoTimeEnabled(ComponentName) boolean getAutoTimeZoneEnabled(ComponentName admin) Returns true if auto time zone is enabled on the device. List getBindDeviceAdminTargetUsers(ComponentName admin) Returns true if auto time zone is enabled on the device. List getBindDeviceAdminTargetUsers(ComponentName) admin) Returns true if auto time zone is enabled on the device.
 bindDeviceAdminServiceAsUser(ComponentName, Intent, ServiceConnection, BindServiceFlags, UserHandle). boolean getBluetoothContactSharingDisabled(ComponentName admin) Called by a profile owner of a managed profile to determine whether or not Bluetooth devices cannot access enterprise contacts. boolean
getCameraDisabled(ComponentName admin) Determine whether or not the device's cameras have been disabled for this user, either by the calling admin, if specified, or all admins. String getCertInstallerPackage(ComponentName admin) This method was deprecated in API level 26. From Build.VERSION CODES.O. Use
getDelegatePackages(ComponentName, String) with the DELEGATION_CERT_INSTALL scope instead. PackagePolicy getCredentialManagerPolicy() Called by a device owner or profile owner or profile to retrieve the credential manager policy. Set getCrossProfileCalendarPackages(ComponentName admin) This method was deprecated in
API level 34. Use setCrossProfilePackages(android.content.ComponentName, java.util.Set). boolean getCrossProfileCallerIdDisabled(ComponentName admin) This method was deprecated in API level 34. starting with Build.VERSION CODES.UPSIDE DOWN CAKE, use getManagedProfileCallerIdAccessPolicy() instead boolean
getCrossProfileContactsSearchDisabled(ComponentName admin) This method was deprecated in API level 34. From Build.VERSION_CODES.UPSIDE_DOWN_CAKE use getManagedProfileContactsAccessPolicy() Set getCrossProfilePackages(ComponentName admin) Returns the set of package names that the admin has previously set as allowed to
request user consent for cross-profile WidgetProviders (ComponentName, java.util.Set). List getCrossProfileWidgetProviders (ComponentName, java.util.Set). List getCrossProfileWidgetProviders (ComponentName, java.util.Set).
query providers from which packages are available in the parent profile. int getCurrentFailedPasswordAttempts() Retrieve the number of times the user has failed at entering a password since that last successful password entry. List getDelegatePackages(ComponentName admin, String delegationScope) Called by a profile owner or device owner to
retrieve a list of delegate packages that were granted a delegation scope. List getDelegatedScopes(ComponentName admin, String delegatedPackage) Called by a profile owner to retrieve a list of the scopes given to a delegate package. CharSequence getDeviceOwnerLockScreenInfo() String
getDevicePolicyManagementRoleHolderPackage() Returns the package name of the device policy management role holder. CharSequence getEndUserSessionMessage(ComponentName admin) Returns the user session end message. String getEnrollmentSpecificId() Returns an enrollment-specific identifier of this device, which is guaranteed to be the
same value for the same device, enrolled into the same organization by the same managing app.
FactoryResetProtectionPolicy getFactoryResetProtectionPolicy(ComponentName admin) Callable by device owner or profile owner of an organization-owned device, to retrieve the current factory reset protection (FRP) policy set previously by setFactoryResetProtectionPolicy(ComponentName, FactoryResetProtectionPolicy)
String getGlobalPrivateDnsHost(ComponentName admin) Returns the system-wide Private DNS host. int getGlobalPrivateDnsMode(ComponentName admin) Returns the system-wide Private DNS host. int getGlobalPrivateDnsMode(ComponentName admin) Returns the system-wide Private DNS host. int getGlobalPrivateDnsMode(ComponentName admin) Returns the system-wide Private DNS host. int getGlobalPrivateDnsMode(ComponentName admin) Returns the system-wide Private DNS host. int getGlobalPrivateDnsMode(ComponentName admin) Returns the system-wide PrivateDnsMode(ComponentName admin) Returns the system-wide PrivateDnsMode(
 getKeepUninstalledPackages(ComponentName admin) Get the list of apps to keep around as APKs even if no user has currently installed it. Map > getKeyPairGrants(String alias) Called by a device or profile owner, or delegated certificate chooser (an app that has been delegated the DELEGATION CERT SELECTION privilege), to query which apps
 have access to a given KeyChain key. int getKeyguardDisabledFeatures(ComponentName admin) Determine whether or not features have been disabled in keyguard either by the calling admin, if specified, or all admins that set restrictions on this user and its participating profiles. int getLockTaskFeatures(ComponentName admin) Gets which system
features are enabled for LockTask mode. String[] getLockTaskPackages(ComponentName admin) Returns the list of packages allowed to start the lock task mode. String[] getLockTaskPackages(ComponentName admin) Returns the list of packages allowed to start the lock task mode. String[] getLockTaskPackages(ComponentName admin) Returns the list of packages allowed to start the lock task mode.
by a profile owner of a managed profile to retrieve the caller id policy. PackagePolicy getManagedProfile contacts.
long getManagedProfileMaximumTimeOff(ComponentName admin) Called by a profile to get maximum time the profile is allowed to be turned off. ManagedSubscriptionsPolicy getManagedSubscriptionsPolicy() Returns the current ManagedSubscriptionsPolicy. int
getMaximumFailedPasswordsForWipe(ComponentName admin) Retrieve the current maximum number of login attempts that are allowed before the device or profile is wiped, for a particular admin or all admins that set restrictions on this user and its participating profiles. long getMaximumTimeToLock(ComponentName admin) Retrieve the current
maximum time to unlock for a particular admin or all admins that set restrictions on this user and its participating profiles. List getMeteredDataDisabledPackages (ComponentName admin) Called by a device or profile owner to retrieve the list of packages which are restricted by the admin from using metered data. int
getMinimumRequiredWifiSecurityLevel() Returns the current Wi-Fi minimum security level. int getMtePolicy() Called by a device owner, profile owner of an organization-owned device to get the Memory Tagging Extension (MTE) policy Learn more about MTE int getNearbyAppStreamingPolicy() Returns the current runtime nearby app streaming
policy set by the device or profile owner. int getNearbyNotificationStreamingPolicy() Returns the current runtime nearby notification streaming policy set by the device or profile owner. int getNearbyNotificationStreamingPolicy() Returns the current runtime nearby notification streamingPolicy() Returns the current runtime nearby
as the background color of the confirm credentials screen. CharSequence getOrganizationName (ComponentName admin) Called by the device owner (since API 24) or holders of the permission to retrieve the name of the organization under management. List getOverrideApns (ComponentName admin) Called by device
owner or managed profile owner to get all override APNs inserted by device owner or managed profile owner of a managed profile to obtain a DevicePolicyManager whose calls act on
the parent profile, int getPasswordComplexity() Returns how complex the current user's screen lock is, long getPasswordExpiration (ComponentName admin) Get the current password expiration time for a particular admin or all admins that set restrictions on this user and its participating profiles, long
getPasswordExpirationTimeout(ComponentName admin) Get the password expiration timeout for the given admin. int getPasswordHistoryLength(ComponentName admin) Retrieve the current password history length for a particular admin or all admins that set restrictions on this user and its participating profiles. int
getPasswordMaximumLength(int quality) Return the maximum password length that the device supports for a particular password quality. int getPasswordQuality(android.content.ComponentName, int) for details. int
getPasswordMinimumLetters(ComponentName admin) This method was deprecated in API level 31. see setPasswordQuality(android.content.ComponentName, int) for details.
 int getPasswordMinimumLowerCase(ComponentName admin) This method was deprecated in API level 31. see setPasswordQuality(android.content.ComponentName, int) for details.
int getPasswordMinimumNonLetter(ComponentName admin) This method was deprecated in API level 31. see setPasswordQuality(android.content.ComponentName, int) for details, int getPasswordQuality(android.content.ComponentName, int) for details, int g
for details, int getPasswordMinimumSymbols(ComponentName admin) This method was deprecated in API level 31, see setPasswordMinimumUpperCase(ComponentName admin) This method was deprecated in API level 31, see
setPasswordQuality(android.content.ComponentName, int) for details. int getPasswordQuality(ComponentName admin) This method was deprecated in API level 31. see setPasswordQuality(android.content.ComponentName, int) for details.
SystemUpdateInfo getPendingSystemUpdate(ComponentName admin) Called by device or profile owners to get information about a pending system update. int getPermissionGrantState (ComponentName admin, String packageName, String permission) Returns the current grant state of a runtime permission for a specific application. int
getPermissionPolicy(ComponentName admin) Returns the current runtime permission policy set by the device or profile owner. List getPermittedAccessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility Services (ComponentName admin) Returns the list of permitted accessibility (ComponentName ad
getPersonalAppsSuspendedReasons(ComponentName admin) Called by profile to check whether personal apps are suspended. List getPreferentialNetworkServiceConfigs() Get preferential network configuration int getRequiredPasswordComplexity() Gets the password complexity requirement set by
 setRequiredPasswordComplexity(int), for the current user. long getRequiredStrongAuthTimeout(ComponentName admin) Determine for how long the user will be able to use secondary, non strong auth for authentication, since last strong method authentication (password, pin or pattern) was used. DevicePolicyResourcesManager getResources()
Returns a DevicePolicyResourcesManager containing the required APIs to set, reset, and get device policy related resources. boolean getScreenCaptureDisabled(ComponentName admin) Determine whether or not screen capture has been disabled by the calling admin, if specified, or all admins. List getSecondaryUsers(ComponentName admin)
Called by a device owner to list all secondary users on the device. CharSequence getShortSupportMessage(ComponentName admin) Called by a device POLICY SUPPORT MESSAGE to get the short support message. CharSequence
getStartUserSessionMessage(ComponentName admin) Returns the user session start message. boolean getStorageEncryption(ComponentName, boolean). It does not actually reflect the storage encryption status. Use
 getStorageEncryptionStatus() for that. Called by an application that is administering the device to determine the current encryption status of the device. SystemUpdatePolicy getSystemUpdatePolicy()
 Retrieve a local system update policy set previously by setSystemUpdatePolicy(ComponentName, SystemUpdatePolicy).
PersistableBundle getTransferOwnershipBundle() Returns the data passed from the current administrator to the new administrator during an ownership transfer. List getTrustAgentConfiguration(ComponentName admin, ComponentName admin, ComponentName admin, ComponentName admin, ComponentName administrator during an ownership transfer.
setTrustAgentConfiguration(android.content.ComponentName, android.content.ComponentName, andr
Manifest.permission.MANAGE DEVICE POLICY APPS CONTROL. Bundle getUserRestrictions(ComponentName, java.lang.String). Bundle getUserRestrictionsGlobally() Called by a profile or device owner to get global user
String getWifiMacAddress(ComponentName admin) Called by a device owner or profile owner on organization-owned device to get the MAC address of the Wi-Fi device. WifiSsidPolicy getWifiSsidPolicy getWifiSsidPolic
or profile owner, or delegated certificate chooser (an app that has been delegated the DELEGATION CERT SELECTION privilege), to grant an application access to an already-installed (or generated) KeyChain key. boolean grantKeyPairToWifiAuth(String alias) Called by a device or profile owner, or delegated certificate chooser (an app that has been
delegated the DELEGATION_CERT_SELECTION privilege), to allow using a KeyChain key pair for authentication to Wifi networks. boolean hasCaCertInstalled(ComponentName admin, byte[] certBuffer) Returns true if an
 administrator has been granted a particular device policy. boolean hasKeyPair(String alias) This API can be called by the credential management app, the alias must exist in the credential management app's AppUriAuthenticationPolicy. boolean
hasLockdownAdminConfiguredNetworks(ComponentName admin) Called by a device owner or a profile to determine whether the user is prevented from modifying networks configured by the admin.
boolean installCaCert(ComponentName admin, byte[] certBuffer) Installs the given certificate as a user CA. boolean installed in another user, or has been kept after removal via setKeepUninstalledPackages(ComponentName, List). boolean
installKeyPair(ComponentName admin, PrivateKey privKey, Certificate: All apps within the profile will be able to access the certificate chain and use the private key, given direct user approval (if the
user is allowed to select the private key). boolean installKeyPair(ComponentName admin, PrivateKey privKey, Certificate; All apps within the profile will be able to access the certificate
boolean installKeyPair(ComponentName admin, PrivateKey privKey, Certificate and corresponding private key; All apps within the profile will be able to access the certificate and use the private key, given direct user approval. void installSystemUpdate(ComponentName
 admin, Uri updateFilePath, Executor executor, DevicePolicyManager.InstallSystemUpdateCallback callback) Called by device owner or profile owner of an organization-owned managed profile to install a system update from the given file.
boolean isActivePasswordSufficient() Determines whether the calling user's current password meets policy requirements (e.g. quality, minimum length). boolean isActivePasswordSufficientForDeviceRequirements (e.g. quality, minimum length).
device-wide. boolean isAdminActive(ComponentName admin) Return true if the given administrator component is currently active (enabled) in the system. boolean isAffiliatedUser() Returns whether this user is affiliated with the device. boolean isAffiliatedUser() Returns whether this user is affiliated with the device.
whether current always-on VPN is configured in lockdown mode. boolean isApplicationHidden(ComponentName admin, String packageName) Determine if a package is hidden. boolean isApplicationHidden(ComponentName admin, String packageName) Determine if a package is hidden. boolean isApplicationHidden(ComponentName admin, String packageName) Determine if a package is hidden.
previously set by setBackupServiceEnabled(android.content.ComponentName, boolean isCallerApplicationRestrictionsManagingPackage() This method was deprecated in API level 26. From Build.VERSION_CODES.O. Use getDelegatedScopes(ComponentName, String) instead. boolean isCommonCriteriaModeEnabled(ComponentName, String) instead.
 admin) Returns whether Common Criteria mode is currently enabled. boolean isComplianceAcknowledge device compliance to allow the user to turn the profile off if needed according to the maximum profile time off policy.
boolean isDeviceFinanced() Returns true if this device is marked as a financed device. boolean isDeviceIdAttestation. boolean isDeviceOwnerApp(String packageName) Used to determine if a particular package has been registered as a Device
Owner app. boolean isEphemeralUser(ComponentName admin) Checks if the profile owner is running in an ephemeral user. boolean isKeyPairGrantedToWifiAuth(String alias) Called by a device or profile owner, or delegated certificate chooser (an app that has been delegated the DELEGATION_CERT_SELECTION privilege), to query whether a
KeyChain key pair can be used for authentication to Wifi networks. boolean isLockTaskPermitted(String pkg) This function lets the caller know whether the given component is allowed to start the lock task mode. boolean isLockTaskPermitted(String pkg) This function lets the caller know whether the given component is allowed to start the lock task mode. boolean isLockTaskPermitted(String pkg) This function lets the caller know whether the given component is allowed to start the lock task mode.
Return if this user is a managed profile of another user. boolean isMasterVolumeMuted(ComponentName admin) Return whether network logging is enabled by a device owner or profile owner of a
managed profile. boolean isOrganizationOwnedDeviceWithManagedProfile() Apps can use this method to find out if the device was provisioned as organization-owend device with a managed profile. boolean isOverrideApnEnabled(ComponentName admin) Called by device owner to check if override APNs are currently enabled. boolean
isPackageSuspended(ComponentName admin, String packageName) Determine if a package is suspended. boolean isProfileOwnerApp(String packageName) Used to determine if a particular package is registered as the profile owner for the
user. boolean isProvisioningAllowed(String action) Returns whether it is possible for the caller to initiate provisioning of a managed profile or device, setting itself as the device owner or a holder of the permission
Manifest.permission.MANAGE DEVICE POLICY RESET PASSWORD to check if the current reset password token is active. boolean isSafeOperation(int reason) Checks if it's safe to run operations that can be affected by the given reason. boolean isSafeOperation(int reason) Checks if it's safe to run operations that can be affected by the given reason. boolean isSafeOperation(int reason) Checks if it's safe to run operations that can be affected by the given reason.
 the admin. boolean isStatusBarDisabled() Returns whether the status bar is disabled/enabled, see setStatusBarDisabled(ComponentName, boolean). boolean isUninstallBlocked(ComponentName, boolean). boolean isUninstallBlocked(ComponentName, boolean).
isUniqueDeviceAttestationSupported() Returns true if the StrongBox Keymaster implementation on the device was provisioned with an individual attestation certificate is a feature only Keymaster implementations with StrongBox security level car
implement). boolean isUsbDataSignalingEnabled() Returns whether USB data signaling is currently enabled. boolean isUsingUnifiedPassword(ComponentName admin) When called by a profile owner of a managed profile returns true if the profile uses unified challenge with its parent user.
List listForegroundAffiliatedUsers() Gets the list of affiliated users running on foreground. void lockNow() Make the device lock immediately, as if the lock screen timeout has expired at the point of this call. int
logoutUser(ComponentName admin) Called by a profile owner of secondary user that is affiliated with the device to stop the calling user and switch back to primary user (when it was started in background. void
reboot(ComponentName admin) Called by device owner to reboot the device. void removeActiveAdmin(ComponentName admin) Remove a current administration component. boolean removeCrossProfileWidgetProvider(ComponentName admin) Remove a current administration component.
 Manifest.permission.MANAGE DEVICE POLICY PROFILE INTERACTION to disable widget providers from a given package to be available in the parent profile. boolean remove a certificate and private key pair installed under a given alias: Device owner
Profile owner Delegated certificate installer Credential management app From Android Build. VERSION CODES.S, the credential management app can call this API. boolean removeOverrideApn(ComponentName admin, int apnId) Called by device owner or managed profile owner to remove an override APN. boolean removeOverrideApn(ComponentName admin, int apnId) Called by device owner or managed profile owner to remove an override APN. boolean removeOverrideApn(ComponentName admin, int apnId) Called by device owner or management app can call this API.
admin, UserHandle userHandle) Called by a device owner to remove a user/profile and all associated data. boolean requestBugreport (ComponentName admin) Called by a device owner to request a bugreport. boolean resetPassword (String password, int flags) This method was deprecated in API level 30. Please use
resetPasswordWithToken(ComponentName, String, byte, int) instead. boolean resetPasswordWithToken(ComponentName admin, String password, byte[] token, int flags) Called by device or profile owner to force set a new device unlock password or a managed profile challenge on current user. List retrieveNetworkLogs(ComponentName admin, long
batchToken) Called by device owner, profile owner of a managed profile or delegated app with DELEGATION NETWORK LOGGING to retrieve the most recent batch of network logging events. List retrieve the most recent batch of network logging events. List retrieve the most recent batch of network logging events.
device logs from before the device's last reboot. List retrieve Security Logs(ComponentName admin) Called by device owner or profile to retrieve Security Logsing entries since the last call to this API after device boots. boolean revokeKeyPairFromApp(ComponentName admin, String alias, String alias, String alias, String alias)
packageName) Called by a device or profile owner, or delegated certificate chooser (an app that has been delegated the DELEGATION_CERT_SELECTION privilege), to revoke an application's grant to a KeyChain key pair. boolean revokeKeyPairFromWifiAuth(String alias) Called by a device or profile owner, or delegated certificate chooser (an app
that has been delegated the DELEGATION_CERT_SELECTION privilege), to deny using a KeyChain key pair for authentication to Wifi networks. void setAccountManagementDisabled(ComponentName admin, String accountType, boolean disabled) Called by a device owner or profile owner to disable account management for a specific type of account
void setAffiliationIds(ComponentName admin, Set ids) Indicates the entity that controls the device.
void setAlwaysOnVpnPackage(ComponentName admin, String vpnPackage, boolean lockdownEnabled) Called by a device or profile owner to configure an always-on VPN connection through a specific application for the current user.
lockdownAllowlist) A version of setAlwaysOnVpnPackage(android.content.ComponentName, java.lang.String, boolean bidden) that allows the admin to specify a set of apps that should be able to access the network directly when VPN is not connected. boolean bidden (ComponentName admin, String packageName, boolean hidden) Hide or
unhide packages. void setApplicationRestrictions(ComponentName admin, String packageName, Bundle settings) Sets the application restrictionsManagingPackage(ComponentName admin, String packageName) This method was deprecated in API level 26.
From Build.VERSION CODES.O. Use setDelegatedScopes(ComponentName, String, List) with the DELEGATION APP RESTRICTIONS scope instead. void setAutoTimeEnabled(ComponentName admin, boolean enabled) Called by a device owner, a profile owner for the primary user or a profile owner of an organization-owned managed profile to turn
void setAutoTimeRequired(ComponentName admin, boolean required) This method was deprecated in API level 30. From Build.VERSION_CODES.R. Use setAutoTimeEnabled(ComponentName, boolean) to turn auto time on or off and use UserManager#DISALLOW_CONFIG_DATE_TIME to prevent the user from changing this setting.
setAutoTimeZoneEnabled(ComponentName admin, boolean enabled) Called by a device owner or a profile owner for the primary user of the primary user 
enable or disable the backup service. void setBluetoothContactSharingDisabled(ComponentName admin, boolean disabled) Called by an application that is administering
the device to disable all cameras on the device, for this user, void setCertInstallerPackage(ComponentName, String installerPackage) This method was deprecated in API level 26. From Build.VERSION CODES.O. Use setDelegatedScopes(ComponentName, String, List) with the DELEGATION CERT INSTALL scope instead, void
setCommonCriteriaModeEnabled(ComponentName admin, boolean enabled) Called by device owner or profile to toggle Common Criteria mode for the device. void setConfiguredNetworksLockdownState(ComponentName admin, boolean lockdown) Called by a device owner or a profile owner of an organization-owned managed profile to toggle Common Criteria mode for the device.
organization-owned managed profile to control whether the user can change networks configured by the admin. void setCredentialManagerPolicy(PackagePolicy policy) Called by a device owner or profile to set the credential manager policy. void setCrossProfileCalendarPackages(ComponentName admin, Set
packageNames) This method was deprecated in API level 34. Use setCrossProfileCallerIdDisabled(ComponentName, java.util.Set). void setCrossProfileCallerIdDisabled(ComponentName, java.util.Set).
setManagedProfileCallerIdAccessPolicy(android.app.admin.PackagePolicy) instead void setCrossProfileContactsSearchDisabled(ComponentName admin, boolean disabled) This method was deprecated in API level 34. From Build.VERSION_CODES.UPSIDE_DOWN_CAKE use setManagedProfileContactsAccessPolicy(android.app.admin.PackagePolicy) instead void setCrossProfileContactsAccessPolicy(android.app.admin.PackagePolicy) instead void setCrossPolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.PackagePolicy(android.app.admin.Pack
void setCrossProfilePackages(ComponentName admin, Set packageNames) Sets the set of admin-allowlisted packageNames) Must be called by a device owner or a profile owner of an organization-owned managed profile to
set the default dialer application for the calling user. void setDefaultSmsApplication. (ComponentName admin, String packageName) Must be called by a device owner or a profile to set the default SMS application. void setDelegatedScopes (ComponentName admin, String delegatePackage, List scopes)
Called by a profile owner or device owner to grant access to privileged APIs to another app. void setEndUserSessionMessage(ComponentName admin, CharSequence info) Sets the device owner information to be shown on the lock screen. void setEndUserSessionMessage(ComponentName admin, CharSequence info) Sets the device owner information to be shown on the lock screen.
by a device owner to specify the user session end message. void setFactoryResetProtectionPolicy(ComponentName admin, FactoryResetProtectionPolicy policy) Callable by device owner or profile owner of an organization-owned device, to set a factory reset protection (FRP) policy.
int setGlobalPrivateDnsModeOpportunistic (ComponentName admin, String privateDnsHost) Sets the global PrivateDnsModeSpecifiedHost (ComponentName admin, String value) This method is
mostly deprecated. void setKeepUninstalledPackages(ComponentName admin, List packageNames) Set a list of apps to keep around as APKs even if no user has currently installed it. boolean setKeyPairCertificate(ComponentName admin, String alias, List certs, boolean isUserSelectable) This API can be called by the following to associate certificates
with a key pair that was generated using generated generated using generated gener
management app can call this API. boolean setKeyguardDisabled(ComponentName admin, boolean disabled) Called by a device owner or profile owner of secondary users that is affiliated with the device to disable the keyguard altogether. void setKeyguardDisabledFeatures(ComponentName admin, int which) Called by an application that is
administering the device to disable keyguard customizations, such as widgets. void setLocationEnabled (ComponentName admin, int flags) Sets which system features are enabled when the device runs in lock
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void setLockTaskPackages(ComponentName admin, String[] packages may enter lock task mode. void setLogoutEnabled(ComponentName admin, boolean enabled) Called by a device owner to specify whether logout is enabled for all secondary users. void setLongSupportMessage(ComponentName admin, CharSequence

message) Called by a device admin to set the long support message. void setManagedProfileCallerIdAccessPolicy(PackagePolicy policy) Called by a profile to set the packages that are allowed to lookup contacts in the managed profile based on caller id information. void setManagedProfileContactsAccessPolicy(PackagePolicy policy) Called by a profile owner of a managed profile owner of an organization-owned managed profile to set maximum time the profile is allowed to be turned off. void setManagedSubscriptionsPolicy (ManagedSubscriptionsPolicy policy) Called by a profile owner of an organization-owned device to specify ManagedSubscriptionsPolicy policy (ManagedSubscriptionsPolicy) Called by a profile owner of an organization-owned device to specify ManagedSubscriptionsPolicy policy (ManagedSubscriptionsPolicy) Called by a profile owner of an organization-owned device to specify ManagedSubscriptionsPolicy policy (ManagedSubscriptionsPolicy) Called by a profile owner of an organization-owned device to specify ManagedSubscriptionsPolicy (ManagedSubscriptionsPolicy) Called by a profile owner of an organization-owned device to specify ManagedSubscriptionsPolicy (ManagedSubscriptionsPolicy) Called by a profile owner of an organization-owned device to specify ManagedSubscriptionsPolicy (ManagedSubscriptionsPolicy) Called by a profile owner of an organization-owned device to specify ManagedSubscriptionsPolicy (ManagedSubscriptionsPolicy) Called by a profile owner of an organization-owned device to specify ManagedSubscriptionsPolicy (ManagedSubscriptionsPolicy) Called by a profile owner of an organization-owned device to specify ManagedSubscriptionsPolicy (ManagedSubscriptionsPolicy) Called by a profile owner of an organization-owned device to specify ManagedSubscriptionsPolicy (ManagedSubscriptionsPolicy) Called by a profile owner of an organization-owned device to specify ManagedSubscriptionsPolicy (ManagedSubscriptionsPolicy) Called by a profile owner of an organization-owned device to specify ManagedSubscriptionsPolicy (ManagedSubscriptionsPolicy) Called by a profile owner of an organization-owned device to specify ManagedSubscriptionsPolicy (ManagedSubscriptionsPolicy) Called by a profile owner of an organization-owned device to specify ManagedSubscriptionsPolicy (ManagedSubscriptionsPolicy) Called by a profile owner of an organization of the owner of an organization of the owner of the owner of the owner of the owne setMasterVolumeMuted(ComponentName admin, boolean on) Called by profile or device owners to set the global volume mute on or off. void setMaximumFailedPasswordsForWipe(ComponentName admin, int num) Setting this to a value greater than zero enables a policy that will perform a device or profile wipe after too many incorrect deviceunlock passwords have been entered. void setMaximumTimeToLock(ComponentName admin, long timeMs) Called by an application that is administering the device to set the maximum time for user activity until the device or profile owner to restrict packages from using metered data. void setMinimumRequiredWifiSecurityLevel(int level) Called by device owner or profile owner of an organization-owned managed profile to specify the minimum security level required for Wi-Fi networks. void setMtePolicy(int policy) Called by a device owner, profile owner of an organization-owned managed profile to specify the minimum security level required for Wi-Fi networks. owned device, to set the Memory Tagging Extension (MTE) policy. void setNearbyAppStreamingPolicy(int policy) Called by a device/profile owner to set nearby notification streaming policy. void nabled(ComponentName admin, boolean enabled) Called by a device owner, profile owner of a managed profile or delegated app with DELEGATION NETWORK LOGGING to control the network logging feature. void setOrganizationColor(ComponentName admin, int color) This method was deprecated in API level 31. From Build.VERSION_CODES.R, the organization color is never used as the background color of the confirm credentials screen. void setOrganizationName(ComponentName admin, CharSequence title) Called by the device owner (since API 26) or profile owner (since API 24) to set the name of the organization under management, void setOverrideApnsEnabled(ComponentName admin, boolean enabled) Called by device or representation under management, void setOverrideApnsEnabled(ComponentName admin, boolean enabled) Called by device or representation under management. profile owners to suspend packages for this user. void setPasswordExpirationTimeout (ComponentName admin, long timeout) Called by a device admin to set the password expiration timeout. void setPasswordExpirationTimeout (ComponentName admin, long timeout) Called by a device admin to set the password expiration timeout. history, void setPasswordMinimumLength(ComponentName admin, int length) This method was deprecated in API level 31, see setPasswordMinimumLetters(ComponentName admin, int length) This method was deprecated in API level 31, see setPasswordQuality(android.content.ComponentName, int) for details. void setPasswordMinimumNonLetter(ComponentName admin, int length) This method was deprecated in API level 31. see setPasswordMinimumLowerCase(ComponentName admin, int length) This method was deprecated in API level 31. see setPasswordMinimumLowerCase(ComponentName, int) for details. method was deprecated in API level 31. see setPasswordOuality(android.content.ComponentName, int) for details. void setPasswordOuality(android.content.ComponentName, int) for details. void setPasswordMinimumSymbols(ComponentName admin, int length) This method was deprecated in API level 31. see setPasswordMinimumUpperCase(ComponentName admin, int length) This method was deprecated in API level 31. see setPasswordQuality(android.content.ComponentName, int) for details. void setPasswordQuality(ComponentName admin, int quality) This method was deprecated in API level 31. Prefer using setRequiredPasswordComplexity(int), to require a password that satisfies a complexity level defined by the platform, rather than specifying custom password requirement. Setting custom password requirements leads to password requirements leads to password requirements. Android uses hardware-backed throttling to thwart online and offline brute-forcing of the device's screen lock.

Company-owned devices (fully-managed and organization-owned managed profile devices) are able to continue using this method, though it is recommended that setRequiredPasswordComplexity(int) should be used instead. boolean setPermissionGrantState(ComponentName admin, String packageName, String permission, int grantState) Sets the grant state of a runtime permission for a specific application. void setPermissionPolicy(ComponentName admin, int policy) Set the default response for future runtime permission requests by applications. boolean setPermittedAccessibilityServices(ComponentName admin, List packageNames) Called by a profile or device owner to set the permitted AccessibilityService. boolean setPermittedCrossProfileNotificationListeners(ComponentName admin, List packageList) Called by a profile owner of a managed profile to set the packages that are allowed to use a NotificationListenerService in the primary user to see notifications from the managed profile. boolean setPermittedInputMethods(ComponentName admin, List packageNames) Called by a profile or device owner or holder of the Manifest.permission. MANAGE DEVICE POLICY INPUT METHODS permission to set the permitted input methods services for this user. void setPersonalAppsSuspended(ComponentName admin, boolean suspended) Called by a profile owner of an organization-owned managed profile to suspend personal apps on the device. void setPreferentialNetworkServiceConfigs(List preferentialNetworkServiceEnabled(boolean enabled) Sets whether preferential network service is enabled. void setProfileEnabled(ComponentName admin, String profile. void setRecommendedGlobalProxy(ComponentName admin, ProxyInfo proxyInfo) Set a network-independent global HTTP proxy. void setRequiredPasswordComplexity(int passwordComplexity) Sets a minimum password complexity requirement for the user's screen lock. void setRequiredStrongAuthTimeout(ComponentName admin, long timeoutMs) Called by a device/profile owner to set the timeout after which unlocking with secondary, non strong auth (e.g. fingerprint, face, trust agents) times out, i.e. boolean setResetPasswordToken(ComponentName admin, byte[] token) Called by a profile or device owner), or managed profile challenge (if called by profile owner), via resetPasswordWithToken(ComponentName, String, byte, int). void setRestrictionsProvider(ComponentName admin, ComponentName admin, boolean disabled) Called by a device/profile owner to set whether the screen void setSecureSetting(ComponentName admin, String setting, String value) This method is mostly deprecated. void setSecurityLoggingEnabled(ComponentName admin, boolean enabled) Called by device owner or a profile owner of an organization-owned managed profile to control the security logging feature. void

setShortSupportMessage(ComponentName admin, CharSequence message, void setStartUserSessionMessage) Called by a device owner to specify the user session start message, boolean setStatusBarDisabled(ComponentName admin, boolean disabled) Called by device owner or profile owner of secondary users that is affiliated with the device to disable the status bar. int setStorageEncryption(ComponentName admin, boolean encrypt) This method was deprecated in API level 30. This method does not actually modify the storage encryption of the device. It has never affected the encryption status of a device. Called by an application that is administering the device to request that the storage system be encrypted. Does nothing if the caller is on a secondary user or a managed profile.

Constant Value: "android.app.action.ADD DEVICE ADMIN" public static final String ACTION ADMIN POLICY COMPLIANCE Activity action: Starts the administrator to show policy compliance for the provisioning.

When multiple device administrators attempt to control device encryption, it will be enabled; Conversely, if a device administrator requests device encryption while another device administrator has enabled it, the call to disable will fail (most commonly returning ENCRYPTION STATUS ACTIVE). This policy controls encryption of the secure (application data) storage areas may or may not be encrypted, and this policy does not require or control the encryption of any other storage areas. There is one exception: If Environment.isExternalStorageEmulated() is true, then the directory returned by Environment.getExternalStorageDirectory() must be written to disk within the encrypted storage area. Important Note: On some devices, it is possible to encrypt storage without requiring the user to create a device PIN or Password. In this case, the storage is encrypted, but the encryption key may not be fully secured. For maximum security, the administrator should also require (and check for) a pattern, PIN, or password. void setSystemSettings. System settings. System settings. setSystemUpdatePolicy(ComponentName admin, SystemUpdatePolicy policy) Called by device owners or profile owners of an organization-owned managed profile to to set a local system update policy. boolean setTime(ComponentName admin, long millis) Called by a device owner or a profile owner of an organization-owned managed profile to set the system's

permission Manifest permission.MANAGE DEVICE POLICY APPS CONTROL to disable user control over apps. void setUserIcon(ComponentName admin, Bitmap icon) Called by device owner or profile owner of an organization-owned managed profile to specify the Wi-Fi SSID policy (WifiSsidPolicy). int startUserInBackground(ComponentName admin, UserHandle) Called by a device owner to stort the specified secondary user. boolean switchUser(ComponentName admin, UserHandle userHandle) Called by a device owner to switch the specified secondary user to the foreground. void transferOwnership(ComponentName admin, UserHandle bundle) Called by a device owner to switch the specified secondary user to the foreground. uninstallAllUserCaCerts(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted CA certificate from trusted user CAs, if present. boolean updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls the given certificate from trusted user CAs, if present. boolean updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls the given certificate from trusted user CAs, if present. boolean updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted user CAs, if present. boolean updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted user CAs, if present. boolean updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted user CAs, if present. boolean updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted user CAs, if present. boolean updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted user CAs, if present updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted user CAs, if present updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted user CAs, if present updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted user CAs, if present updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted user CAS, if present updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted user CAS, if present updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted user CAS, if present updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted user CAS, if present updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted user CAS, if present updateOverrideApn(ComponentName admin, byte[] certBuffer) Uninstalls all custom trusted user CAS, if present updateOverrideApn(ComponentName admin, byte[] certBuffer) Units owner or managed profile owner to update an override APN. void wipeData(int flags) See wipeData(int fl copy of this object. boolean equals(Object obj) Indicates whether some other object is "equal to" this one. void finalize() Called by the garbage collector on an object when garbage collection determines that there are no more references to the object. final Class getClass() Returns the runtime class of this Object. int hashCode() Returns a hash code value for the object. final void notify() Wakes up a single thread that is waiting on this object's monitor. String to String () Returns a string representation of the object. final void wait(long timeoutMillis, int nanos) Causes the current thread to wait until it is awakened, typically by being notified or interrupted, or until a certain amount of real time has elapsed. final void wait() Causes the current thread to wait until it is awakened, typically by being notified or interrupted, or until a certain amount of real time has elapsed. final void wait() Causes the current thread to wait until it is awakened, typically by being notified or interrupted, or until a certain amount of real time has elapsed. final void wait() Causes the current thread to wait until it is awakened, typically by being notified or interrupted, or until a certain amount of real time has elapsed. final void wait() Causes the current thread to wait until it is awakened, typically by being notified or interrupted, or until a certain amount of real time has elapsed. typically by being notified or interrupted. public static final String ACTION ADD DEVICE ADMIN Activity action: ask the user to add a new device administrator to the system. The desired policy is the ComponentName of the policy in the EXTRA DEVICE ADMIN extra field. This will invoke a UI to bring the user through adding the device administrator to the system (or allowing them to reject it). You can optionally include the EXTRA ADD EXPLANATION field to provide the user with additional explanation (in additional explanation (in additional explanation) about what is being added. If your administrator is already active, this will ordinarily return immediately (without user intervention). However, if your administrator has been updated and is requesting additional uses-policy flags, the user will be presented with the new list. New policies will not be available to the updated administrator until the user has accepted the new list.

persistent default time zone. void setTrustAgentConfiguration(ComponentName admin, ComponentName admin, ComponentName admin, String packageName, boolean uninstallBlocked) Change whether a user can uninstall a package, void setUsbDataSignalingEnabled(boolean enabled) Called by a device owner or profile owner or holder of the

This action is used any time that the administrator has an opportunity to show policy compliance before the end of setup wizard. This could happen as part of the administrator has an opportunity to show policy compliance before the end of setup wizard. This could happen as part of the administrator has an opportunity to show policy compliance before the end of setup wizard. This could happen as part of the administrator has an opportunity to show policy compliance before the end of setup wizard. This could happen as part of the administrator has an opportunity to show policy compliance before the end of setup wizard. finalization during setup wizard. Intents with this action may also be supplied with the EXTRA PROVISIONING MODE Constant Value: "android.app.action.ADMIN POLICY COMPLIANCE" public static final String ACTION APPLICATION DELEGATION SCOPES CHANGED Broadcast Action: Sent after application scopes are changed. The new delegation scopes will be sent in an ArrayList extra identified by the EXTRA DELEGATION SCOPES CHANGED" public static final String ACTION CHECK POLICY COMPLIANCE Activity action: launch the DPC must check if personal apps should still be suspended and either unsuspend them or instruct the user on how to resolve the noncompliance causing the suspension. See also: setPersonalAppsSuspended(ComponentName, boolean) Constant Value: "android.app.action for a service that device owner and profile owner can optionally own. If a device owner or a profile owner has such a service, the system tries to keep a bound connection to it, in order to keep their process always running

The service must be protected with the Manifest permission. BIND DEVICE ADMIN permission Constant Value: "android.app.action.DEVICE ADMIN SERVICE" public static final String ACTION DEVICE FINANCING STATE CHANGED Broadcast sent to indicate that the device financing state has changed. This occurs when, for example, a financing kiosk app has been added or removed. To query the current device financing state see isDeviceFinanced(). This will be delivered to the following apps if they include a receiver for this action in their manifest: Device owner admins. Organization-owned profile owner admins. final String ACTION GET PROVISIONING MODE Activity action: Starts the administrator to get the mode for the provisioning. This intent may contain the following extras: The target activity should return one of the following values in EXTRA PROVISIONING MODE as result: PROVISIONING MO screens, the target activity can additionally return EXTRA_PROVISIONING_SKIP_EDUCATION_SCREENS set to true. The target activity may also return the account that needs to be migrated from primary user to managed profile in case of a profile owner provisioning in EXTRA_PROVISIONING_ACCOUNT_TO_MIGRATE as result. The target activity may also include the EXTRA PROVISIONING ADMIN EXTRAS BUNDLE extra in the intent result. The values of this PersistableBundle will be sent as an intent extra of the same name to the ACTION ADMIN EXTRAS BUNDLE extra that are already supplied to this activity. Other extras the target activity may include in the intent result: See also: ACTION ADMIN POLICY COMPLIANCE Constant Value: "android.app.action.GET PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE" public static final String ACTION MANAGED PROFILE PROVISIONING MODE PROFILE PROFILE PROVISIONING MODE PROFILE PROVISIONING MODE PROFILE completed successfully. The broadcast is limited to the primary profile, to the app specified in the provisioning intent with action ACTION PROVISION MANAGED PROFILE PROVISIONED" Added in API level 23 Deprecated in API level 31 public static final String ACTION PROVISION MANAGED DEVICE This constant was deprecated in API level 31. to support Build. VERSION CODES.S and later, admin apps must implement activities with intent filters for the ACTION GET PROVISIONING MODE and ACTION ADMIN POLICY COMPLIANCE intent actions; using ACTION_PROVISION_MANAGED_DEVICE to start provisioning will cause the provisioning to fail; to additionally support pre-Build.VERSION_CODES.S, admin apps must also continue to use this constant. Activity action: Starts the provisioning flow which sets up a managed device. Must be started with Activity.startActivityForResult(Intent, int). During device owner provisioning a device owner can not be modified by the user. A typical use case would be a device owner has full control over the device. The device owner can not be modified by the user. A typical use case would be a device owner can not be modified by the user. A typical use case would be a device owner can not be modified by the user. A typical use case would be a device owner can not be modified by the user. A typical use case would be a device owner can not be modified by the user. unprovisioned device. It is possible to check if provisioning is allowed or not by querying the method is Provisioning Allowed (java.lang. String). The intent contains the following extras: When device owner provisioning has completed, an intent of the type DeviceAdminReceiver#ACTION PROFILE PROVISIONING COMPLETE is broadcast to the device From version Build.VERSION CODES.O, when device owner provisioning has completed, along with the above broadcast, activity intent ACTION PROVISIONING SUCCESSFUL will also be sent to the device owner. If provisioning fails, the device is factory reset. A result code of Activity.RESULT OK implies that the synchronous part of the provisioning flow was successful, although this doesn't guarantee the full flow will succeed. Conversely a result code of Activity.RESULT CANCELED implies that the user backed-out of provisioning, or some precondition for provisioning wasn't met. Constant Value: "android.app.action.PROVISION MANAGED DEVICE" public static final String ACTION PROVISION MANAGED PROFILE Activity action: Starts the provisioning flow which sets up a managed profile allows data separation for example for the usage of a device as a personal and corporate device. The user which provisioning is started from and the managed profile share a launcher. This intent will typically be sent by a mobile device management application (MDM). Provisioning adds a managed profile and sets the MDM as the profile owner who has full control over the profile. It is possible to check if provisioning is allowed or not by querying the method is Provisioning Allowed (java.lang.String). In version Build. VERSION CODES.LOLLIPOP, this intent must contain the extra EXTRA PROVISIONING DEVICE ADMIN PACKAGE NAME. As of Build.VERSION CODES.M, it should contain the extra EXTRA PROVISIONING DEVICE ADMIN COMPONENT NAME instead, although specifying only EXTRA PROVISIONING DEVICE ADMIN PACKAGE NAME is still supported. The intent may also contain the following extras: When managed provisioning has completed, broadcasts are sent to the application specified in the provisioning intent. The DeviceAdminReceiver#ACTION PROFILE PROVISIONED broadcast is sent in the primary profile. From version Build.VERSION_CODES.O, when managed provisioning has completed, along with the above broadcast, activity intent ACTION_PROVISIONING_SUCCESSFUL will also be sent to the profile owner. If provisioning fails, the managedProfile is removed so the device returns to its previous state. If launched with Activity.startActivityForResult(Intent, int) a result code of Activity.RESULT_OK implies that the synchronous part of the provisioning flow was successful, although this doesn't guarantee the full flow will succeed. Conversely a result code of Activity.RESULT_CANCELED implies that the user backed-out of provisioning, or some precondition for provisioning wasn't met. If a device policy management role holder (DPMRH) updater is present on the device, an internet connection attempt must be made prior to launching this intent. If internet connection attempt must be made prior to launching this intent. If internet connection attempt must be made prior to launching this intent. If internet connection attempt must be made prior to launching this intent. provisioning will continue without using the DPMRH. If an internet connection has been established, the DPMRH updater will be launched, which will update the DPMRH is present on the device and valid, the provisioning flow will be deferred to it. Constant Value 'android.app.action.PROVISION MANAGED PROFILE" public static final String ACTION SET NEW PARENT PROFILE PASSWORD Activity action: have the user enter a new password for the parent profile. If the intent is launched from within a managed profile, this will trigger entering a new password for the parent of the profile. The caller can optionally set EXTRA DEVICE PASSWORD REQUIREMENT ONLY to only enforce device-wide password requirement. In all other cases the behaviour is identical to ACTION SET NEW PASSWORD requirement. In all other cases the behaviour is identical to ACTION SET NEW PASSWORD. ACTION SET NEW PASSWORD Activity action: have the user enter a new password. For admin apps, this activity should be launched after using setPasswordMinimumLength(android.content.ComponentName, int), or setPasswordMinimumLength(android.content.ComponentName, int) to have the user enter a new password that meets the current requirements. You can use isActivePasswordSufficient() to determine whether you need to have the user select a new password in order to meet the current constraints. Upon being resumed from this activity, you can check the new password in order to meet the current constraints. current screen lock complexity, and use this activity with extra EXTRA PASSWORD COMPLEXITY to suggest to users how complex the app wants the new screen lock to be. Note that both getPasswordComplexity() and the extra EXTRA PASSWORD COMPLEXITY require the calling app to have the permission #REQUEST PASSWORD COMPLEXITY. If the intent is launched from within a managed profile owner built against Build.VERSION CODES.M or before, this will trigger entering a new password for the parent of the profile. For all other cases it will trigger entering a new password for the user or profile it is launched from. See also: ACTION START ENCRYPTION Activity action: begin the process of encrypting data on the device. This activity should be launched after using setStorageEncryption(ComponentName, boolean) to request encryption be activated. After resuming from this activity, use getStorageEncryption(ComponentName) to check encryption status. However, on some devices this activity may never return, as it may trigger a reboot and in some cases a complete data wipe of the device. Constant Value: "android.app.action.START ENCRYPTION" public static final String

ACTION SYSTEM UPDATE POLICY CHANGED Broadcast action: notify that a new local system update policy has been set by the device owner. The new policy can be retrieved by getSystemUpdatePolicy(). Constant Value: "android.app.action.SYSTEM_UPDATE_POLICY_CHANGED" public static final String DELEGATION_CERT_INSTALL Delegation of certificate installation and management. This scope grants access to the getInstalledCaCerts(ComponentName), hasCaCertInstalled(ComponentName, byte), uninstallCaCert(ComponentName, byte), uninstallCaCert(ComponentName obtain. See getEnrollmentSpecificId(). Constant Value: "delegation-cert-install" public static final String DELEGATION NETWORK LOGGING Grants access to setNetworkLoggingEnabled(ComponentName, boolean), isNetworkLoggingEnabled(ComponentName) and retrieveNetworkLoggingEnabled(ComponentName, boolean), isNetworkLoggingEnabled(ComponentName) and retrieveNetworkLoggingEnabled(ComponentName, boolean), isNetworkLoggingEnabled(ComponentName) and retrieveNetworkLoggingEnabled(ComponentName, boolean), isNetworkLoggingEnabled(ComponentName) and retrieveNetworkLoggingEnabled(ComponentName, boolean), isNetworkLoggingEnabled(ComponentName, boolean), isNetworkLoggingEnabled(Compone Once granted the delegated app will start receiving DelegatedAdminReceiver.onNetworkLogsAvailable() callback, and Device owner or Profile Owner will no longer receive the DeviceAdminReceiver.onNetworkLogsAvailable() callback, and Device owner or Profile Owner will no longer receive the DeviceAdminReceiver.onNetworkLogsAvailable() callback. it will lose the delegation when a new app is delegated. Device Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can grant this access since Android 10. Profile Owner of a managed profile can g

constant was deprecated in API level 34. This result code has never actually been used, so there is no reason for apps to check for it. Result code for getStorageEncryptionStatus(): indicating that encryption is not currently active, but is currently being activated. Constant Value: 2 (0x00000002) public static final int ENCRYPTION STATUS ACTIVE Result code for setStorageEncryption(ComponentName, boolean) and getStorageEncryptionStatus(): indicating that encryption is getStorageEncryptionStatus() can only return this value for apps targeting API level 23 or lower, or on devices that use Full Disk Encryption. The result code ENCRYPTION_STATUS_ACTIVE_PER_USER is used on devices that use setStorageEncryption(ComponentName, boolean) can still return this value for an unrelated reason, but setStorageEncryption(ComponentName, boolean) is deprecated since it doesn't do anything useful. Constant Value: 3 (0x00000003) public static final int ENCRYPTION STATUS_ACTIVE_DEFAULT_KEY Result code for getStorageEncryptionStatus(): indicating that encryption is active, but the encryption key is not cryption key is not cryption. With File Based Encryption, each user's credential-encrypted storage is always cryptographically protected by the user's credentials. Constant Value: 4 (0x00000004) public static final int ENCRYPTION STATUS ACTIVE PER USER Result code for getStorageEncryption status(): indicating that encryption is active and the encryption status(): indicating that encryption stat ENCRYPTION_STATUS_ACTIVE is returned, even if the encryption key is specific to the user or profile. Constant Value: 5 (0x00000005) public static final int ENCRYPTION_STATUS_INACTIVE Result code for setStorageEncryption(ComponentName, boolean) and getStorageEncryptionStatus(): indicating that encryption is supported, but is not currently active. getStorageEncryptionStatus() can only return this value on devices that use Full Disk Encryption. Devices that use File Based Encryption always automatically activate their encryption on first boot.

for why the admin is being added. See also: Constant Value: "android.app.extra.ADD EXPLANATION" public static final String EXTRA PROVISIONING ACCOUNT TO MIGRATE An Account to migrate during managed profile provisioning. If the account supplied is present in the primary user, it will be copied, along with its credentials to the managed profile and removed from the primary user. Use with ACTION PROVISION MANAGED PROFILE, with managed account provisioning, or return as an extra to the intent result from the ACTION GET PROVISIONING MODE activity. Constant Value: "android.app.extra.PROVISIONING_ACCOUNT_TO_MIGRATE" public static final String EXTRA_PROVISIONING_ADMIN_EXTRAS_BUNDLE A Parcelable extra of type PersistableBundle that allows a mobile device management application or NFC programmer application which starts managed provisioning to pass data to the management application instance after provisioning. If used with ACTION_PROVISION MANAGED_PROFILE it can be used by the application that sends the intent to pass data to itself on the newly created profile. If used with ACTION_PROVISION_MANAGED_DEVICE it allows passing data to the same instance of the app on the primary user. Starting from Build. VERSION CODES.M, if used with MIME TYPE PROVISIONING NFC as part of NFC managed device provisioning, the NFC message should contain a stringified Properties instance, whose string properties will be converted into a Persistable Bundle and passed to the management application after provisioning. Admin apps will receive this extra in their ACTION_GET_PROVISIONING_MODE and ACTION_ADMIN_POLICY_COMPLIANCE intent handlers. Additionally, ACTION_GET_PROVISIONING_MODE may also return this extra which will then be sent over to ACTION_ADMIN_POLICY_COMPLIANCE, alongside the original values that were passed to ACTION GET PROVISIONING MODE. In both cases the application receives the data in DeviceAdminReceiver#ACTION PROFILE PROVISIONING COMPLETE. The bundle is not changed during the managed provisioning. Constant Value: "android.app.extra.PROVISIONING ADMIN EXTRAS BUNDLE" public static final String EXTRA PROVISIONING ALLOW OFFLINE A boolean extra indicating whether offline provisioning is allowed. For the online provisioning flow, there will be an attempt to download and install the latest version of the device policy management role holder. The platform will then delegate provisioning flow will enforce that an internet connection is established, which will start the If an internet connection cannot be established, provisioning will fail. If this extra is set to true, the provisioning flow will still try to connect to the internet, but if it fails it will start the offline provisioning flow.

setStorageEncryption(ComponentName, boolean) is deprecated since it doesn't do anything useful. Constant Value: 1 (0x00000001) public static final String EXTRA ADD EXPLANATION An optional CharSequence providing additional explanation

For T if this extra is set to true, the provisioning flow will be forced through the platform and there will be no attempt to download and install the device policy management role holder. The default value is false. This extra is respected when provided via the provisioning intent actions such as ACTION_PROVISIONING_ALLOW_OFFLINE" public static final String EXTRA_PROVISIONING_DEVICE_ADMIN_COMPONENT_NAME A ComponentName extra indicating the device admin receiver of the mobile device management application that will be set as the profile owner or device owner and active admin. If an application starts provisioning directly via an intent with action ACTION PROVISION MANAGED DEVICE the package name of this component has to match the package name of the application that started provisioning. This component is set as device owner and active admin when device owner provisioning is started by an intent with action ACTION_PROVISION_MANAGED_DEVICE or by an NFC message containing an NFC record with MIME type MIME_TYPE_PROVISIONING_NFC. For the NFC record, the component name must be flattened to a string, via ComponentName#flattenToShortString(). See also: Constant Value: "android.app.extra.PROVISIONING DEVICE ADMIN MINIMUM VERSION CODE An int extra holding a minimum required version code for the device admin package. If the device admin is already installed on the device, it will only be re-downloaded from EXTRA PROVISIONING DEVICE ADMIN PACKAGE DOWNLOAD LOCATION if the version of the installed package is less than this version code. Use in an NFC record with MIME TYPE PROVISIONING NFC that starts device owner provisioning via an NFC bump. It can also be used for QR code provisioning. Constant Value: "android.app.extra.PROVISIONING DEVICE ADMIN MINIMUM VERSION CODE" public static final String EXTRA PROVISIONING DEVICE ADMIN MINIMUM VERSION CODE" public static final String extra holding the URL-safe base64 encoded SHA-256 hash of the file at download location specified in EXTRA PROVISIONING DEVICE ADMIN PACKAGE DOWNLOAD LOCATION. Either this extra or EXTRA PROVISIONING DEVICE ADMIN SIGNATURE CHECKSUM must be present. The provided checksum must match the checksum doesn't match an error will be asked to factory reset the device. Use in an NFC record with MIME TYPE PROVISIONING NFC that starts device owner provisioning via an NFC bump.

It can also be used for QR code provisioning. Note: for devices running Build.VERSION_CODES.LOLLIPOP and Build.VERSION_CODES.LOLLIPOP MR1 only SHA-1 hash is supported. Starting from Build.VERSION_CODES.LOLLIPOP and Build.VERSION_CODES.LOLLIPOP MR1 only SHA-1. Constant Value: "android.app.extra.PROVISIONING DEVICE ADMIN PACKAGE CHECKSUM" public static final String extra holding a http cookie header which should be used in the http request to the url specified in EXTRA PROVISIONING DEVICE ADMIN PACKAGE DOWNLOAD LOCATION. Use in an NFC record with MIME TYPE PROVISIONING NFC that starts device owner provisioning via an NFC bump. It can also be used for QR code provisioning. Constant Value: "android.app.extra.PROVISIONING DEVICE ADMIN PACKAGE DOWNLOAD LOCATION A String extra holding a url that specifies the download location of the device admir package. When not provided it is assumed that the device admin package is already installed. Use in an NFC record with MIME TYPE PROVISIONING NFC that starts device owner provisioning via an NFC bump. It can also be used for QR code provisioning. Constant Value: "android.app.extra.PROVISIONING_DEVICE_ADMIN_PACKAGE_DOWNLOAD_LOCATION" Added in API level 21 Deprecated in API level 23 public static final String EXTRA_PROVISIONING_DEVICE_ADMIN_COMPONENT_NAME. This extra is still supported, but only if there is only one device admin receiver in the package that requires the permission. BIND DEVICE ADMIN. A String extra holding the package name of the mobile device management application starts provisioning directly via

MIME_TYPE_PROVISIONING_NFC. When this extra is set, the application must have exactly one device admin receiver will be set as the profile or device owner and active admin. See also: Constant Value: "android.app.extra.PROVISIONING_DEVICE_ADMIN_PACKAGE_NAME" public static final String EXTRA PROVISIONING DISCLAIMER A Bundle extra consisting of list of disclaimer header, and EXTRA PROVISIONING DISCLAIMER HEADER as disclaimer header, and EXTRA PROVISIONING DISCLAIMER HEADER as disclaimer header, and EXTRA PROVISIONING DISCLAIMER HEADER as disclaimer from the company of mobile device management application (MDM), and one disclaimer from the organization. Call Bundle#putParcelableArray(String, Parcelable[]) to put the Bundle[] Maximum 3 key-value pairs can be specified. The rest will be ignored. Can be used in an intent with action ACTION PROVISION MANAGED PROFILE. This extra can also be returned by the admin app when performing the admin-integrated provisioning flow as a result of the ACTION GET PROVISIONING MODE activity. Constant Value: "android.app.extra.PROVISIONING DISCLAIMERS" public static final String EXTRA PROVISIONING DISCLAIMER CONTENT A Uri extra pointing to disclaimer content. The content is parsed by Html.fromHtml(String) and displayed in a Must use it with EXTRA PROVISIONING DISCLAIMER HEADER. Here is the example: Constant Value: "android.app.extra.PROVISIONING DISCLAIMER HEADER A String extra of localized disclaimer header. The extra is typically the company name of mobile device is the example: Constant Value: "android.app.extra.PROVISIONING_DISCLAIMER_HEADER" Added in API level 26 public static final String EXTRA_PROVISIONING_EMAIL_ADDRESS This constant was deprecated in API level 26. From Build.VERSION_CODES.O, never used while provisioning the device. Constant Value "android.app.extra.PROVISIONING EMAIL ADDRESS" public static final String EXTRA PROVISIONING IMEI A string extra holding the IMEI (International Mobile Equipment Identity) of the device. Constant Value: "android.app.extra.PROVISIONING IMEI" Added in API level 33 Deprecated in API level 34 public static final String EXTRA_PROVISIONING_KEEP_SCREEN_ON This constant was deprecated in API level 34. from Build.VERSION_CODES.UPSIDE_DOWN_CAKE, the flag wouldn't be functional. The screen is kept on throughout the provisioning flow. A boolean flag that indicates whether the screen should be on throughout the provisioning flow. This extra can either

be passed as an extra to the ACTION PROVISION MANAGED PROFILE intent, or it can be returned by the admin app when performing flow as a result of the ACTION GET PROVISIONING MODE activity. Constant Value: "android.app.extra.PROVISIONING KEEP SCREEN ON" public static final String EXTRA PROVISIONING LEAVE ALL SYSTEM APPS ENABLED A Boolean extra that can be used by the mobile device management application to skip the disabling of system apps during provisioning when set to true. Use in an NFC record with MIME TYPE PROVISIONING NFC, an intent with action ACTION PROVISION MANAGED PROFIL that starts profile owner provisioning or set as an extra to the intent result of the ACTION_GET_PROVISIONING_LOCALE A String extra holding the Locale that the device will be set to. Format: xx yy, where xx is the language code, and yy the country code. Use only for device owner provisioning flow as a result of the ACTION GET PROVISIONING MODE activity. Use in an NFC record with MIME TYPE PROVISIONING NFC that provisioning. This extra can be returned by the admin app when performing the admin-integrated provisioning flow as a result of the ACTION_GET_PROVISIONING_NFC that starts device owner provisioning via an NFC bump. It can also be used for QR code provisioning via an NFC record with MIME_TYPE_PROVISIONING_NFC that starts device owner provisioning via an NFC bump. It can also be used for QR code provisioning via an NFC record with MIME_TYPE_PROVISIONING_NFC that starts device owner provisioning via an NFC bump. It can also be used for QR code provisioning via an NFC record with MIME_TYPE_PROVISIONING_NFC that starts device owner provisioning via an NFC bump. It can also be used for QR code provisioning via an NFC bump. It can also be used for QR code provisioning via an NFC bump. Constant Value: "android.app.extra.PROVISIONING LOCAL TIME" public static final String EXTRA PROVISIONING SENSORS PERMISSION GRANT OPT OUT A boolean extra indicating the admin of a fully-managed device opts out of controlling permission grants for sensor-related permissions, see integrated provisioning flow as a result of the ACTION GET PROVISIONING MODE activity. This extra may also be provided to the admin app via an intent extra for ACTION GET PROVISIONING MODE. See also: ACTION GET PROVISIONING MODE constant Value: "android.app.extra.PROVISIONING SENSORS PERMISSION GRANT OPT OUT" public static final String EXTRA_PROVISIONING_SERIAL_NUMBER A string extra holding the serial number of the device. Constant Value: "android.app.extra.PROVISIONING_SERIAL_NUMBER" public static final String EXTRA_PROVISIONING_SERIAL_NUMBER" public static final String EXTRA_PROVISIONING_SERIAL_NUMBER A string extra that determines whether the provisioning flow EXTRA_RESULT_LAUNCH_INTENT to the provisioning initiator, if one is supplied by the device manager role holder. It will be the responsibility of the provisioning initiator to launch this Intent after provisioning completes. This extra is respected when provided via the provisioning intent actions such as ACTION_PROVISION_MANAGED_PROFILE. Constant Value: "android.app.extra.PROVISIONING SHOULD LAUNCH RESULT INTENT" public static final String EXTRA PROVISIONING SKIP EDUCATION SCREENS A boolean extra indicating if the education screens from the provisioning flow should be skipped. If unspecified, defaults to false. This extra can be set in the following ways: By the admin app when performing the admin-integrated provisioning flow as a result of the ACTION_GET_PROVISIONING_MODE activity For managed account enrollment If the education screens are skipped, it is the admin application's responsibility to display its own user education screens. Constant Value "android.app.extra.PROVISIONING_SKIP_EDUCATION_SCREENS" Added in API level 26 Deprecated in API level 31 public static final String EXTRA_PROVISIONING_SKIP_USER_CONSENT This constant was deprecated in API level 31. this extra is no longer relevant as device owners cannot create managed profiles A boolean extra indicating if the user consent steps from the provisioning flow should be skipped. If unspecified, defaults to false. It can only be used by an existing device owner trying to create a managed profile via ACTION PROVISION MANAGED PROFILE. Otherwise it is ignored. Constant Value: "android.app.extra.PROVISIONING SKIP USER CONSENT" public static final

Use only for device owner provisioning. This extra can be returned by the admin app when performing the admin-integrated provisioning flow as a result of the ACTION GET PROVISIONING MODE activity. Use in an NFC record with MIME TYPE PROVISIONING NFC that starts device owner provisioning via an NFC bump. It can also be used for Constant Value: "android.app.extra.PROVISIONING_TIME_ZONE" public static final String EXTRA_PROVISIONING_USE_MOBILE_DATA A boolean extra indicating if mobile data should be used during the provisioning flow for downloading the admin app. If EXTRA_PROVISIONING_WIFI_SSID is also specified, wifi network will be used instead Default value is false. If this extra is set to true and EXTRA_PROVISIONING_WIFI_SSID is not specified, this extra has different behaviour depending on the way provisioning is triggered: For provisioning started via a QR code or an NFC tag, mobile data is always used for downloading the admin app. For all other provisioning methods, a mobile data connection check is made at the start of provisioning. If mobile data is connected at that point, the end-user will be asked to pick a wifi network and the admin app download will proceed over wifi. Constant Value "android.app.extra.PROVISIONING_USE_MOBILE_DATA" public static final String EXTRA_PROVISIONING_WIFI_SID is hidden or not. Use in an NFC record with MIME_TYPE_PROVISIONING_NFC that starts device owner provisioning via an NFC bump It can also be used for QR code provisioning. Constant Value: "android.app.extra.PROVISIONING WIFI ASTRA PROVISIONING WIFI SSID. Use in an NFC record with

network in EXTRA PROVISIONING WIFI SSID. Use in an NFC record with MIME TYPE PROVISIONING NFC that starts device owner provisioning. Constant Value: "android.app.extra.PROVISIONING WIFI PROXY HOST" public static final String EXTRA PROVISIONING WIFI PROXY PORT An int extra holding the proxy port for the wifi network in EXTRA PROVISIONING WIFI SSID. Use in an NFC record with MIME TYPE PROVISIONING WIFI SSID. Use in an NFC record with MIME TYPE PROVISIONING WIFI SSID. "android.app.extra.PROVISIONING WIFI PROXY PORT" public static final String EXTRA PROVISIONING WIFI SECURITY TYPE A String extra indicating the security type of the wifi network in EXTRA PROVISIONING NFC that starts device owner provisioning via an NFC bump. It can also be used for QR code provisioning. Constant Value: "android.app.extra.PROVISIONING WIFI SSID A String extra holding the ssid of the wifi network that should be used during nfc device owner provisioning for

starts device owner provisioning via an NFC bump. It can also be used for QR code provisioning. Constant Value: "android.app.extra.PROVISIONING_WIFI_PROXY_BYPASS A String extra holding the proxy bypass for the wifi network in EXTRA_PROVISIONING_WIFI_SSID. Use in an

PEM representation of a certificate and key without header, footer and line breaks. More information This is only used if the EXTRA PROVISIONING WIFI SECURITY TYPE is EAP. Use in an NFC bump. It can also be used for QR code provisioning. Constant Value: "android.app.extra.PROVISIONING WIFI USER CERTIFICATE" public static final int EXTRA RESOURCE TYPE brawable is being updated. Constant Value: 1 (0x00000001) public static final int EXTRA RESOURCE TYPE STRING A int value for EXTRA RESOURCE TYPE to indicate that a resource of type Drawable is being updated. can only be used by a profile owner when locking a managed profile when getStorageEncryptionStatus() returns ENCRYPTION STATUS ACTIVE PER USER. In order to secure user data, the user will be stopped and restarted so apps should wait until they are next run to perform further actions. Constant Value: 1 (0x000000001) public static final int INSTALLKEY SET_USER_SELECTABLE Specifies that a user can select the key via the Certificate Selection prompt. If this flag is not set when calling installKeyPair(ComponentName, PrivateKeyAlias(Context, Intent, int, Uri, String). For use with installKeyPair(android.content.ComponentName, java.security.PrivateKey, java.securi (0x000001a0) public static final int KEYGUARD_DISABLE_FACE Disable face authentication on keyguard secure screens (e.g. PIN/Pattern/Password). Constant Value: 2147483647 (0x7fffffff) public

static final int KEYGUARD_DISABLE_FEATURES_NONE Widgets are enabled in keyguard Constant Value: 0 (0x00000000) public static final int KEYGUARD_DISABLE_FINGERPRINT Disable fingerprint authentication on keyguard secure screens (e.g. PIN/Pattern/Password). Constant Value: 32 (0x00000020) public static final int

Build.VERSION_CODES.N, but it never had any effect. Disable text entry into notifications on secure keyguard screens (e.g. PIN/Pattern/Password). Constant Value: 2 (0x000000002) public static final int KEYGUARD DISABLE SECURE NOTIFICATIONS Disable showing all notifications on secure keyguard screens (e.g. PIN/Pattern/Password) Constant Value: 4 (0x000000004) public static final int KEYGUARD_DISABLE_SHORTCUTS_ALL Disable all keyguard shortcuts. Constant Value: 512 (0x000000200) public static used in conjuction to set trust-agent-specific configurations. Constant Value: 16 (0x000000010) public static final int KEYGUARD_DISABLE_UNREDACTED_NOTIFICATIONS Only allow redacted notifications on secure keyguard screens (e.g. PIN/Pattern/Password) Constant Value: 8 (0x000000008) public static final int notifications (including alerts, icons, and the notification shade) Home button Recents button and UI global actions menu (i.e. power button menu) keyguard See also: setLockTaskFeatures(ComponentName, int) Constant Value: 0 (0x000000000) public static final int LOCK TASK FEATURE SYSTEM INFO Enable the system info area in the status bar during LockTask mode. The system info area usually occupies the right side of the status bar (although this can differ across OEMs). It includes all system information indicators, such as date and time, connectivity, battery, vibration mode, etc. See also: setLockTaskFeatures(ComponentName, int) Constant Value: 1 (0x000000001) public static final String MIME_TYPE_PROVISIONING_NFC This MIME type is used for starting the device owner provisioning a device owner provisioning a device owner provisioning a device owner provisioning a device owner provisioning and the only way of resetting the device is if the device owner app calls a factory reset. A typical use case would be a device that is owned by a company, but used by either an employee or client. The NFC message must be sent to an unprovisioned device. The NFC record must contain a serialized Properties object which contains the following properties:

EXTRA PROVISIONING WIFI PASSWORD, optional EXTRA PROVISIONING WIFI PROXY BYPASS, optional EXTRA OPERATION SAFETY REASON DRIVING DISTRACTION Indicates that a UnsafeStateException was thrown because the operation would distract the driver of the vehicle. Constant Value: 1 (0x00000001) public static final int PASSWORD COMPLEXITY HIGH Constant for getPasswordComplexity() and setRequiredPasswordComplexity(int). Define the high password complexity band as: PIN with no repeating (4444) or ordered (1234, 4321, 2468) sequences, length at least 8 alphabetic, length at length a #setRequiredPasswordComplexity(int), it sets the minimum complexity band which the password must meet. Constant Value: 327680 (0x00050000) public static final int PASSWORD COMPLEXITY MEDIUM Constant for getPasswordComplexity() and setRequiredPasswordComplexity(int). Define the medium password complexity band as: PIN with no repeating (4444) or ordered (1234, 4321, 2468) sequences, length at least 4 alphanumeric, length at least 4 When returned from getPasswordComplexity(), the constant represents the exact complexity band the password is in. When passed to {@link #setRequiredPasswordComplexity(int), it sets the minimum complexity band which the password must meet. Constant Value: 196608 (0x00030000) public static final int PASSWORD QUALITY ALPHABETIC Constant for setPassword containing at least alphabetic (or other symbol) characters. Note that quality constants are ordered so that higher values are more restrictive. Constant Value: 262144 (0x00040000) public static final int PASSWORD_QUALITY_ALPHANUMERIC Constants are ordered a password containing at least both> numeric and alphabetic (or other symbol) characters. Note that quality constants are ordered so that higher values are more restrictive. Constant Value: 327680 (0x00050000) public static final int PASSWORD QUALITY BIOMETRIC WEAK Constant for setPasswordQuality(ComponentName, int): the policy allows for low-security biometric recognition technology. This implies technologies that can recognize the identity of an individual to about a

types the password should contain to satisfy the policy. The admin should set these requirements via setPasswordMinimumSymbols(ComponentName, int), setPasswordMinimumSymbols(ComponentName, int), setPasswordMinimumUpperCase(ComponentName, int), setPasswordMinimumSymbols(ComponentName, int), setPasswordMinimumUpperCase(ComponentName, int), setPasswordMinimumSymbols(ComponentName, int), setPasswordMin setPasswordMinimumLowerCase(ComponentName, int), setPasswordMinimumNonLetter(ComponentName, int), and setPasswordMinimumLength(ComponentName, int), setPasswordM Constant for setPasswordQuality(ComponentName, int): the user must have entered a password containing at least numeric characters. Note that quality constants are ordered so that higher values are more restrictive. Constant for setPasswordQuality(ComponentName, int): the user must have entered a password containing at least numeric characters with no repeating (4444) or ordered (1234, 4321, 2468) sequences. Note that quality constants are ordered so that higher values are more restrictive. Constant Value: 196608 (0x00030000) public static final int PASSWORD QUALITY SOMETHING Constant for setPasswordQuality(ComponentName, int): the policy requires some kind of password or pattern, but doesn't care what it is. Note that quality constants are ordered so that higher values are more restrictive. Constant Value: 65536 (0x00010000) public static final int PASSWORD QUALITY UNSPECIFIED Constant for setPasswordQuality(ComponentName, int): the policy has no requirements for the password. Note that quality constants are ordered so that higher values are more restrictive. Constant Value: 0 (0x00000000) public static final int PERMISSION GRANT STATE DEFAULT Runtime permission state: The user can manage the permission through the UI. Constant Value: 0 (0x00000000) public static final int PERMISSION GRANT STATE DENIED Runtime permission is denied to the app and the user cannot manage the permission through the UI. Constant Value: 2 (0x00000000) public static final int PERMISSION GRANT STATE GRANTED Runtime permission state: The permission state: The permission requests for runtime permissions. Already granted or denied permissions are not affected by this. Constant Value: 2 (0x00000002) public static final int PERMISSION POLICY_AUTO_GRANT Permissions are not affected by this. Constant Value: 1 (0x000000001) public static final int PERMISSION_POLICY_PROMPT Permission policy to prompt user for new permissions are not affected by this. Constant Value: 0 (0x00000000) public static final int PRIVATE DNS MODE OFF Specifies that Private DNS was turned off completely. Constant Value: 1

(0x000000001) public static final int PRIVATE DNS MODE OPPORTUNISTIC Specifies that the device owner requested opportunistic DNS over TLS Constant Value: 2 (0x00000002) public static final int PRIVATE DNS MODE PROVIDER HOSTNAME Specifies that the device owner configured a specific host to use for Private DNS. Constant Value: 3 (0x000000002) public static final int PRIVATE DNS MODE PROVIDER HOSTNAME Specifies that the device owner configured a specific host to use for Private DNS. (0x000000003) public static final int PRIVATE DNS MODE UNKNOWN Specifies that the Private DNS setting is in an unknown state. Constant Value: 2

3 digit PIN (false detection is less than 1 in 1,000). Note that quality constants are ordered so that higher values are more restrictive. Constant for setPasswordQuality(ComponentName, int): allows the admin to set precisely how many characters of various

(0x000000002) public static final int PRIVATE DNS SET ERROR HOST NOT SERVING If the privateDnsHost provided was of a valid hostname but that host was found to not support DNS-over-TLS. Constant Value: 1 (0x00000001) public static final int PRIVATE DNS SET NO ERROR The selected mode has been set successfully. If the mode is PRIVATE DNS MODE PROVIDER HOSTNAME then it implies the supplied host is valid and reachable. Constant Value: 0 (0x00000000) public static final int PROVISIONING MODE FULLY MANAGED DEVICE The provisioning mode for fully managed device. Constant Value: 1 (0x000000001) public static final int PROVISIONING MODE MANAGED PROFILE The provisioning mode for managed profile. Constant Value: 2 (0x000000002) public static final int PROVISIONING MODE MANAGED PROFILE ON PERSONAL DEVICE The provisioning mode for managed profile on a personal device. This mode is only available when the provisioning initiator has explicitly instructed the provisioning flow to support managed profile on a personal device provisioning. In that case, PROVISIONING MODE MANAGED PROFILE corresponds to an organization-owned managed profile, whereas this constant value: 3 (0x00000003) public static final int RESET PASSWORD DO NOT ASK CREDENTIALS ON BOOT Flag for resetPasswordWithToken(ComponentName, String, byte, int) and resetPassword(String, int): don't ask for user credentials on device boot. If the flag is set, the device can be booted without asking for user password. The absence of this flag does not change the current boot requirements. This flag is set, it cannot be reverted back without resetting the device owner only. If the app is not the device owner, the flag is set, it cannot be reverted back without resetting the device owner only. WIPE RESET PROTECTION DATA Flag for wipeData(int): also erase the factory reset protection data. This flag may only be set by device owner admins; if it is set by other admins a SecurityException will be thrown. Constant Value: 2 (0x000000002) public static final int WIPE SILENTLY Flag for wipeData(int): won't show reason for wiping to the user. Constant Value: 8 (0x000000008) public int addOverrideApn (ComponentName admin, ApnSetting override APN. This method may returns -1 if apnSetting conflicts with an existing override APN. Update the existing conflicted APN with

updateOverrideApn(android.content.ComponentName, int, android.telephony.data.ApnSetting) instead of adding a new entry. Two override APNs: Before Android version Build.VERSION CODES.TIRAMISU: Only device owners can add APNs. Starting from Android version Build. VERSION CODES. TIRAMISU: Both device owners and managed profile owners can add other type of APNs. Enterprise APNs (ApnSetting #TYPE ENTERPRISE), while only device owners and managed profile and do not override any user-configured VPNs. They are prerequisites for enabling preferential network service on the managed profile on 4G networks (setPreferentialNetworkServiceConfigs(List)). Parameters admin ComponentName: which DeviceAdminReceiver this request is associated with This value cannot be null. Returns int The id of Or -1 when failed to insert into the database. Throws SecurityException If request is for enterprise APN admin is either device owner or profile owner and in all other types of APN if admin is not a device owner or profile owner and in all other types of APN if admin is not a device owner. See also: setOverrideApnsEnabled(ComponentName, boolean) public void addPersistentPreferredActivity (ComponentName admin, IntentFilter filter, ComponentName activity) Called by a profile owner or device owner or holder of the permission.MANAGE DEVICE POLICY LOCK TASK. to set a default activity that the system selects to handle intents that match the given IntentFilter.

This activity will remain the default intent handler seen if the set of potential event handlers for the intent filter. The default disambiguation mechanism takes over if the activity is not installed (anymore). When the activity is (re)installed, it is automatically reset as default intent handler for the filter. The calling device admin must be a profile owner or device owner. If it is not, a security exception will be thrown. Starting from Build. VERSION_CODES#UPSIDE_DOWN_CAKE, after the persistent preferred activity policy has been set, PolicyUpdateResult) will notify the admin on whether the policy was successfully set or not. This callback will contain: If there has been a change to the policy, PolicyUpdateReceiver#onPolicyChanged(Context, String, Bundle, TargetUser, PolicyUpdateResult) will notify the admin of this change. This callback will contain the reason why the policyChanged(Context, String, Bundle, TargetUser, PolicyUpdateResult) and the PolicyUpdateResult and the PolicyUpdateResult will contain the same parameters as PolicyUpdateResult and the PolicyUpdateResult will contain the reason why the policy Changed. shouldn't be called on the main thread. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null. filter IntentFilter: The IntentFilter for which a default handler is added, activity ComponentName: The Activity that is added as default intent handler. This value cannot be null. public void addUserRestriction (ComponentName admin, String key) Called by a profile owner, device owner or a holder of any permission that is associated with a user restriction to set a user restriction to set a user restriction to set a user restriction; if it is not, a security exception will be thrown. The profile owner of an organization-owned managed

profile may invoke this method on the DevicePolicyManager instance it obtained from getParentProfileInstance (android.content.ComponentName), for enforcing device-wide restrictions. See the constants in UserManager for the list of restrictions that can be enforced device-wide. These constants will also state in their documentation which permission is required to manage the restriction using this API. For callers targeting Android Build. VERSION CODES. UPSIDE DOWN CAKE or above, calling this API will result in applying the restriction locally on the calling user, or locally on the parent profile if called from the DevicePolicyManager instance obtained from getParentProfileInstance(android.content.ComponentName). To set a restriction globally, call addUserRestrictionGlobally(String) instead. Starting from Build. VERSION CODES#UPSIDE DOWN CAKE, after the user restriction policy has been set, PolicyUpdateReceiver#onPolicySetResult (Context, String, Bundle, TargetUser, PolicyUpdateReceiver#onPolicySetResult) will notify the admin on whether the policy was successfully set or not. This callback will contain: If there has been a change to the policy, PolicyUpdateReceiver#onPolicyChanged(Context, String, Bundle, TargetUser, PolicyUpdateResult will contain the reason why the policyUpdateResult will contain the reason why the policyUpdateResult will contain the reason why the policyUpdateResult will contain the same parameters as PolicyUpdateResult will contain the same parameters as PolicyUpdateResult will contain the reason why the policyUpdateResult will contain the reason why the policyUpdateResult will contain the same parameters as PolicyUpdateResult will contain the reason why the policyUpdateResult will contain the same parameters as PolicyUpdateResult will be policyUpdateResult will be parameters as PolicyU

This value cannot be null. key String: The key of the restriction. Value is UserManager. DISALLOW MODIFY ACCOUNTS, UserManager. DISALLOW CONFIG LOCALE, UserManager. DISALLOW INSTALL APPS, UserManager. DISALLOW UNINSTALL APPS, UserManager. DISALLOW SHARE LOCATION, UserManager.DISALLOW AIRPLANE MODE, UserManager.DISALLOW CONFIG BRIGHTNESS, UserManager.DISALLOW INSTALL UNKNOWN SOURCES, UserManager.DISALLOW INSTALLOW INSTALL UNKNOWN SOURCES, UserManager.DISALLOW INSTALL UserManager.DISALLOW CONFIG BLUETOOTH, UserManager.DISALLOW BLUETOOTH, UserManager.DISALLOW BLUETOOTH, UserManager.DISALLOW REMOVE MANAGED PROFILE, UserManager.DISALLOW_DEBUGGING_FEATURES, UserManager.DISALLOW_CONFIG_DATE_TIME, UserManager.DISA

UserManager.DISALLOW ADD USER, UserManager.DISALLOW ADD CONFIG MOBILE NETWORKS, UserManager.DISALLOW ADD CONFIG MOBILE NETWORKS, UserManager.DISALLOW APPS CONTROL, UserManager.DISALLOW MOUNT PHYSICAL MEDIA, UserManager.DISALLOW OUTGOING CALLS, UserManager.DISALLOW SMS, UserManager.DISALLOW FUN,

UserManager.DISALLOW_CREATE_WINDOWS, UserManager.DISALLOW_SYSTEM_ERROR_DIALOGS, UserManager.DISALLOW_OUTGOING_BEAM, android.os.UserManager.DISALLOW_WALLPAPER, UserManager.DISALLOW_SET_WALLPAPER, UserManager.DISALLOW_SAFE_BOOT, android.os.UserManager.DISALLOW RECORD AUDIO, android.os.UserManager.DISALLOW CAMERA, android.os.UserManager.DISALLOW CAMERA,

android.os.UserManager.DISALLOW OEM UNLOCK, UserManager.DISALLOW ONTENT CAPTURE, UserManager.DISALLOW CONTENT SUGGESTIONS, UserManager.DISALLOW USER SWITCH UserManager.DISALLOW SHARE INTO MANAGED PROFILE, UserManager.DISALLOW PRINTING, UserManager.DISALLOW MICROPHONE TOGGLE, UserManager.DISALLOW CAMERA TOGGLE, UserManager.KEY RESTRICTIONS PENDING, android.os. UserManager. DISALLOW BIOMETRIC, UserManager. DISALLOW WIFI TETHERING, UserManager. DISALLOW WIFI TETHERING, UserManager. DISALLOW CELLULAR 2G, UserManager.DISALLOW ULTRA WIDEBAND RADIO, or UserManager.DISALLOW GRANT ADMIN Throws SecurityException if admin is not a device or profile owner and if the caller has not been granted the permission to set the given user restriction. holder of any permission that is associated with a user restriction to set a user restriction will be set if it was applied globally or locally by any admin. The calling device admin must be a profile owner, device owner or or a holder of any permission that is associated with a user restriction; if it is not, a security exception will be thrown. See the constants in UserManager for the list of restriction which permission is required to manage the restriction using this API. After the user restriction policy has been set, PolicyUpdateReceiver#onPolicySetResult(Context, String, Bundle, TargetUser, PolicyUpdateReceiver#onPolicyChanged(Context, Bundle, Bund String, Bundle, TargetUser, PolicyUpdateResult) will notify the admin of this change. This callback will contain the reason why the policy changed. Parameters key String: The key of the restriction. This value cannot be null. Value is UserManager.DISALLOW MODIFY ACCOUNTS, UserManager.DISALLOW INSTALL APPS, UserManager.DISALLOW SHARE LOCATION UserManager.DISALLOW AIRPLANE MODE, UserManager.DISALLOW CONFIG BRIGHTNESS, UserManager.DISALLOW INSTALL UNKNOWN SOURCES GLOBALLY UserManager.DISALLOW_CONFIG_BLUETOOTH, UserManager.DISALLOW_BLUETOOTH, UserManager.DISALLOW_BLUETOOTH, UserManager.DISALLOW_CONFIG_CREDENTIALS, UserManager.DISALLOW_REMOVE_USER, UserManager.DISALLOW_REMOVE_MANAGED_PROFILE, UserManager.DISALLOW DEBUGGING FEATURES, UserManager.DISALLOW CONFIG DATE TIME, UserManager.DISA UserManager.DISALLOW ADD USER, UserManager.DISALLOW ADD CLONE PROFILE, userManager.DISALLOW ADD CLONE PROFILE, android.os.UserManager.DISALLOW ADD CLONE PROFILE, userManager.DISALLOW ADD CLONE PROFILE, userManager.DISALLOW ADD CLONE PROFILE, userManager.DISALLOW ADD CLONE PROFILE, userManager.DISALLOW ADD CLONE PROFILE, android.os.UserManager.DISALLOW ADD CLONE PROFILE, userManager.DISALLOW ADD CLONE PROFILE PR UserManager.DISALLOW_APPS_CONTROL, UserManager.DISALLOW_MOUNT_PHYSICAL_MEDIA, UserManager.DISALLOW_OUTGOING_CALLS, UserManager.DISALLOW_SMS, UserManager.DISALLOW_FUN, UserManager.DISALLOW CREATE WINDOWS, UserManager.DISALLOW OUTGOING BEAM, android.os. UserManager.DISALLOW SYSTEM ERROR DIALOW SAFE BOOT android.os.UserManager.DISALLOW RECORD AUDIO, android.os.UserManager.DISALLOW CAMERA, android.os.UserManager.DISALLOW CAMERA, android.os.UserManager.DISALLOW SET_USER ICON, android.os.UserManager.DISALLOW_OEM_UNLOCK, UserManager.DISALLOW_UNIFIED_PASSWORD, UserManager.DISALLOW_CONTENT_CAPTURE, UserManager.DISALLOW_CONTENT_SUGGESTIONS, UserManager.DISALLOW_UNIFIED_PASSWORD, UserManager.DISALLOW_UNIFIED_PASSWORD, UserManager.DISALLOW_CONTENT_CAPTURE, UserManager.DISALLOW_CONTENT_SUGGESTIONS, UserManager.DISALLOW_UNIFIED_PASSWORD, UserManager.DISALLOW_CONTENT_CAPTURE, UserManager.DISALLOW_CONTENT_SUGGESTIONS, UserManager.DISALLOW_UNIFIED_PASSWORD, UserManager.DISALLOW_CONTENT_CAPTURE, UserManager.DISALLOW_CONTENT_SUGGESTIONS, UserManager.DISALLOW_UNIFIED_PASSWORD, UserManager.DISALLOW_CONTENT_CAPTURE, UserManager.DISALLOW_CONTENT_SUGGESTIONS, UserManager.DISALLOW_CON UserManager.DISALLOW SHARE INTO MANAGED PROFILE, UserManager.DISALLOW PRINTING, UserManager.DISALLOW CONFIG PRIVATE DNS, UserManager.DISALLOW PRINTING, UserManager.DISALLOW CONFIG PRIVATE DNS, UserManager.DISALLOW PRINTING, UserManager.DISALLOW PRINTING, UserManager.DISALLOW DNS, UserManager.DISALLOW PRINTING, UserManager.DISALLOW PRINTING, UserManager.DISALLOW DNS, UserManager.DISALLOW PRINTING, Use android.os.UserManager.DISALLOW BIOMETRIC, UserManager.DISALLOW WIFI TETHERING, UserManager.DISALLOW WIFI TETHERING, UserManager.DISALLOW CELLULAR 2G, UserManager.DISALLOW ULTRA WIDEBAND RADIO, or UserManager.DISALLOW GRANT ADMIN public boolean bindDeviceAdminServiceAsuser (ComponentName admin, Intent serviceIntent, ServiceConnection conn, int flags, UserHandle targetUser) Called by a device owner to bind to a service from a secondary managed user or vice versa. See getBindDeviceAdminTargetUsers(ComponentName) for the pre-requirements of a device owner to bind to services of another managed user. The service must be protected by Manifest.permission.BIND DEVICE ADMIN. Note that the Context used to obtain this DevicePolicyManager instance via Context#getSystemService(Class) will be used to be available for communication between device owner and profile owner. However, since Android 11, this combination is not possible. This method is now only useful for communication between device owner and managed secondary users. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. service to connect to. The Intent must specify either an explicit component name or a package name to match an IntentFilter published by a service. This value cannot be null. conn ServiceConnection: Receives information as the service is started and stopped in main thread. This must be a valid ServiceConnection object; it must not be null. flags int: Operation options for the binding operation. See Context#bindService(Intent, ServiceConnection, int). Value is either 0 or a combination of Context.BIND AUTO CREATE, Context.BIND ABOVE CLIENT, Context.BIND ALLOW OOM MANAGEMENT, Context.BIND WAIVE PRIORITY, Context.BIND IMPORTANT, Context.BIND ADJUST WITH ACTIVITY, Context.BIND NOT PERCEPTIBLE, Context.BIND SHARED ISOLATED PROCESS, and Context.BIND EXTERNAL SERVICE targetUser UserHandle: Which user to bind to. Must be one of the users returned by getBindDeviceAdminTargetUsers(ComponentName), otherwise a SecurityException will be thrown. This value cannot be null. Returns boolean If you have successfully bound to the service object. public boolean canAdminGrantSensorsPermissions () Returns true if the caller is running on a device where an admin can grant permissions related to device sensors. This is a signal that the device is a fully-managed device where personal usage is discouraged. The list of permissions related to device where personal usage is discouraged. The list of permissions is listed in setPermissions is listed in setPermission is l called by any app. Returns boolean true if an admin can grant device sensors-related permissions, false otherwise. public boolean canUsbDataSignaling USB data signaling usb data signal clearApplicationUserData (ComponentName admin, String packageName, Executor executor, DevicePolicyManager.OnClearApplicationUserDataListener listener) Called by the device owner or profile owner to clear application user data of a given package. The behaviour of this is equivalent to the target application calling ActivityManager.clearApplicationUserData(). Note: an application can store data outside of its application data, e.g. external storage or user dictionary. This data will not be wiped by calling this API. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. packageName String: The name of the package which will have its user data wiped. This value cannot be null. executor Executor: The executor through which the listener should be invoked. This value cannot be null. Callback and listener events through the main thread of your application, you can use Context.getMainExecutor(). Otherwise, provide an Executor that dispatches to an appropriate thread. listener DevicePolicyManager.OnClearApplicationUserDataListener: A callback object that will inform the caller when the clearing is done. This value cannot be null. public void clearCrossProfileIntentFilters (ComponentName admin) Called by a profile owner of a managed profile to remove the cross-profile intent filters that go from the managed profile to the parent, or from the parent to the managed profile intent filters are set up by the system when the profile is created, some of them ensure the proper functioning of the profile, while others enable sharing of data from the parent to the managed profile for user convenience. These default intent filters are not cleared when this API is called. If the default cross profile data sharing is not desired, they can be disabled with UserManager#DISALLOW_SHARE_INTO_MANAGED_PROFILE. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value may be null. Throws SecurityException if admin is not a profile owner. Added in API level 26 public void clearDeviceOwnerApp (String packageName) This method was deprecated in API level 26. This method is expected to be used for testing purposes only. The device owner will lose control of the device owner factory resets the device instead of calling this method. See wipeData(int). Clears the current device owner. The caller must be This function should be used cautiously as once it is called it cannot be undone. The device owner can only be set as a part of device owner will be cleared by this method, it is a best-effort process and some other policies will still remain in place after the device owner is cleared. Parameters packageName String: The packageName or packageName of the device owner. Throws SecurityException if the caller is not in packageName or packageName or packageName or packageName or packageName. device owner or holder of the permission. MANAGE DEVICE POLICY LOCK TASK to remove all persistent intent handler preferences associated with the given package that were set by addPersistentPreferredActivity (ComponentName, IntentFilter, ComponentName). The calling device admin must be a profile owner. If it is not, a security exception will be thrown. Starting from Build.VERSION CODES#UPSIDE DOWN CAKE, after the persistent preferred activity policy has been cleared, PolicyUpdateReceiver#onPolicySetResult(Context, String, Bundle, TargetUser, PolicyUpdateReceiver#onPolicySetResult) will notify the admin on whether the policy was successfully cleared or not. This callback will contain: If there has been a change to the policy UpdateResult will notify the admin of this change. This callback will contain the reason why the policy UpdateResult and the Policy UpdateResult will contain the reason why the policy UpdateResult will contain the same parameters as Policy UpdateResult and the Policy UpdateResult will contain the same parameters as Policy UpdateResult will contain the reason why the policy UpdateResult will contain the reason who will be updateResult will contain the reason who will be updateResult will be u changed. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null. packageName String: The name of the package for which preferences are removed. Added in API level 24 Deprecated in API level 26 public void clearProfileOwner (ComponentName admin) This method was deprecated in API level 26. This method is expected to be used for testing purposes only. The profile owner will lose control of the user and its data after calling it. In order to protect any sensitive data that remains on this user, it is advised that the profile owner deletes it instead of calling this method. See wipeData(int). Clears the active profile owner. The caller must be the profile owner of this user, otherwise a SecurityException will be thrown. This method is not available to managed profile owner of this user, otherwise a SecurityException will be thrown. This method, it is a best-effort process and some other policies will still remain in place after the profile owner is cleared. Parameters admin ComponentName: The componentName admin, String key) Called by a profile owner, device owner or a holder of any permission that is associated with a user restriction specified by the key. The calling device admin must be a profile may invoke this method on the DevicePolicyManager instance it obtained from getParentProfileInstance(android.content.ComponentName), for clearing device-wide restrictions. See the constants in UserManager for the list of restrictions. These constants in UserManager for the list of restrictions. Android Build.VERSION_CODES.UPSIDE_DOWN_CAKE or above, calling this API will result in clearing any local and global restriction with the specified key that was previously set by the caller. Starting from Build.VERSION_CODES#UPSIDE_DOWN_CAKE, after the user restriction policy has been cleared, PolicyUpdateReceiver#onPolicySetResult(Context, String, Bundle, TargetUser, PolicyUpdateResult) will notify the admin on whether the policy was successfully cleared or not. This callback will contain: If there has been a change to the policyUpdateResult) will notify the admin on whether the policyUpdateResult) will notify the admin on whether the policyUpdateResult (Context, String, Bundle, TargetUser, PolicyUpdateResult) will notify the admin on whether the policy was successfully cleared or not. This callback will contain: notify the admin of this change. This callback will contain the same parameters as PolicyUpdateReceiver#onPolicySetResult and the PolicyUpdateResult will contain the reason why the policyUpdateResult and the PolicyUpdateResult will contain the reason why the policyUpdateResult and the PolicyUpdateResult and the PolicyUpdateResult will contain the reason why the policyUpdateResult will contain the reason who are key String: The key of the restriction. Value is UserManager.DISALLOW MODIFY ACCOUNTS, UserManager.DISALLOW INSTALL APPS, UserManager.DISALLOW UNINSTALL APPS, UserManager.DISALLOW SHARE LOCATION, UserManager.DISALLOW AIRPLANE MODE, UserManager.DISALLOW CONFIG BRIGHTNESS, UserManager.DISALLOW INSTALL UNKNOWN SOURCES GLOBALLY, UserManager.DISALLOW INSTALL UNKNOWN SOURCES, UserManager.DISALLOW INSTALL UNKNOWN SOURCES GLOBALLY, UserManager.DISALLOW INSTALL UNKNOWN SOURCES, UserManager.DISALLOW INSTALL UNKNOWN SOURCES GLOBALLY, UserManager.DISALLOW INSTALL UNKNOWN SOURCES, UserManager.DISALLOW INSTALL UNKNOWN SOURCES, UserManager.DISALLOW INSTALL UNKNOWN SOURCES GLOBALLY, UserManager.DISALLOW INSTALL UNKNOWN SOURCES, UserManager.DISALLOW INSTALL UNKNOWN SOURCES, UserManager.DISALLOW INSTALL UNKNOWN SOURCES, UserManager.DISALLOW INSTALL UNKNOWN SOURCES, UserManager.DISALLOW INSTALL UNKNOWN SOURCES GLOBALLY, UserManager.DISALLOW INSTALL UNKNOWN SOURCES, UserManager.DISALLOW INSTALL UNKNOWN SOURCES GLOBALLY, UserManager.DISALLOW INSTALL UNKNOWN SOURCES, UserManager.DISALLOW INSTALLOW INSTALL UserManager.DISALLOW CONFIG BLUETOOTH, UserManager.DISALLOW BLUETOOTH, UserManager.DISALLOW BLUETOOTH, UserManager.DISALLOW REMOVE MANAGED PROFILE, UserManager.DISALLOW_DEBUGGING_FEATURES, UserManager.DISALLOW_CONFIG_VPN, UserManager.DISALLOW_CONFIG_DATE_TIME, UserManager.DISALLOW_C UserManager.DISALLOW ADD USER, UserManager.DISALLOW ADD MANAGED PROFILE, android.os.UserManager.DISALLOW CONFIG CELL BROADCASTS, UserManager.DISALLOW CONFIG MOBILE NETWORKS, UserManager.DISALLOW APPS CONTROL, UserManager.DISALLOW MOUNT PHYSICAL MEDIA, UserManager.DISALLOW UNMUTE MICROPHONE, UserManager.DISALLOW OUTGOING CALLS, UserManager.DISALLOW SMS, UserManager.DISALLOW FUN, UserManager.DISALLOW CREATE WINDOWS, UserManager.DISALLOW SYSTEM ERROR DIALOGS, UserManager.DISALLOW OUTGOING BEAM, android.os.UserManager.DISALLOW WALLPAPER, UserManager.DISALLOW SYSTEM ERROR DIALOGS, UserManager.DISALLOW SAFE BOOT android.os.UserManager.DISALLOW RECORD AUDIO, android.os.UserManager.DISALLOW RUN IN BACKGROUND, android.os.UserManager.DISALLOW CAMERA, android.os.UserManager.DISALLOW RUN IN BACKGROUND, android.Os.UserManager android.os.UserManager.DISALLOW OEM UNIFIED PASSWORD, UserManager.DISALLOW CONTENT SUGGESTIONS, UserManager.DISALLOW UNIFIED PASSWORD, UserManager.DISALLOW CONTENT SUGGESTIONS, UserManager.DISALLOW UNIFIED PASSWORD, UserManager.DISALLOW CONTENT SUGGESTIONS, UserManager.DISALLOW CONTENT SUGGESTIONS SUGGEST UserManager.DISALLOW SHARE INTO MANAGED PROFILE, UserManager.DISALLOW MICROPHONE TOGGLE, UserManager.DISALLOW CAMERA TOGGLE, UserManager.KEY RESTRICTIONS PENDING, android.os.UserManager.DISALLOW BIOMETRIC, UserManager.DISALLOW WIFI TETHERING, UserManager.DISALLOW WIFI TETHERING, UserManager.DISALLOW CELLULAR 2G UserManager.DISALLOW ULTRA WIDEBAND RADIO, or UserManager.DISALLOW GRANT ADMIN Throws SecurityException if admin is not a device or profile owner and if the caller has not been granted the permission to set the given user restriction. public UserHandle createAndManageUser (ComponentName admin, String name, ComponentName profileOwner, PersistableBundle adminExtras, int flags) Called by a device owner to create a user with the specified name and a given component of the calling package as profile owner. The UserHandle returned by this method should not be persisted as user handles are recycled as users are removed and created. If you need to persist an identifier for this user, use UserManager#getSerialNumberForUser. The new user will not be started in the background. admin is the DeviceAdminReceiver which is the DeviceAd active admin on the new user. The profile owner package will be installed on the new user. If the adminExtras are not null, they will be stored on the device until the user is started for the first time. Then the extras will be passed to the admin when on Enable is called. From Build.VERSION_CODES.P, onwards, if targeting Build.VERSION_CODES.P, throws UserOperationException instead of returning null on failure. Returns UserHandle object for the created user, or null if the user could not be created user, or null if the user could not be created user, or null if the user could not be created. following to generate a new private/public key pair: If the device supports key generation via secure hardware, this method is useful for creating a key in KeyChain that never left the secure hardware, this method is useful for creating a key in KeyChain that never left the secure hardware, this method is useful for creating a key in KeyChain that never left the secure hardware. Access to the key is controlled the same way as in installKeyPair(ComponentName, PrivateKey, Certificate, String). From Android Build.VERSION CODES.S, the credential management app can call this API. If called by the credential management app on an unmanaged device. Because this method might take several seconds to complete, it should only be called from a worker thread. This method returns null when called from the main thread. This method is not thread-safe, calling it from multiple threads at the same time will result in undefined behavior. If the calling thread is interrupted while the invocation is in-flight, it will eventually terminate and return null. Note: If the provided alias is of an existing alias, all former grants that apps have been given to access the key and certificates associated with this alias will be revoked. Attestation: to enable attestation, set an attestation challenge in keySpec via KeyGenParameterSpec. Builder#setAttestation record, and an individual attestation record, and an attestation record. To find out if the device supports these features, refer to isDeviceIdAttestationSupported() and isUniqueDeviceAttestationSupported(). Device owner, profile owner, their delegated certificate installer and the credential management app can use ID TYPE BASE INFO to request inclusion of the general device information including manufacturer, model, brand, device and product in the attestation record. Only device owner, profile owner on an organization-owned device or affiliated user, and their delegated certificate installers can use ID TYPE SERIAL, ID TYPE IMEI and ID TYPE MEID to request unique device identifiers to be attested (the serial number, IMEI and MEID correspondingly), if supported by the device (see isDeviceIdAttestationSupported()). Additionally, device owner, profile owner on an organization-owned device and their delegated certificate by specifying the ID TYPE INDIVIDUAL ATTESTATION flag (if supported by the device, see isUniqueDeviceAttestationSupported()). If any of ID_TYPE_SERIAL, ID_TYPE_IMEI and ID_TYPE_INDIVIDUAL_ATTESTATION can only be requested if key generation is done in StrongBox. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with, or null if the caller is not a device admin. algorithm String: The key generation of the key to generate, see KeyPairGenerator. This value cannot be null. identification is required in the attestation record and the batch attestation certificate should be used. If any flag is specified, then an attestation of ID_TYPE_BASE_INFO, ID_TYPE_SERIAL, ID_TYPE_MEID, and ID_TYPE_INDIVIDUAL_ATTESTATION Returns AttestedKeyPair A non-null AttestedKeyPair if the key generation succeeded, null otherwise. Throws SecurityException if admin is not a device or profile owner, or admin is not a device or profile owner, or admin is not a device or profile owner. ID TYPE IMEI or ID TYPE MEID), the caller must be the Device Owner or the Certificate Installer delegate. IllegalArgumentException in keySpec is empty. The algorithm specification in keySpec is not RSAKeyGenParameterSpec or ECGenParameterSpec. Device ID attestation was requested but the keySpec does not contain an attestation or individual attestation or individual attestation was requested but the underlying hardware does not support it. StrongBoxUnavailableException if the use of StrongBox for key generation was requested but the underlying hardware does not support it. device does not have one. See also: KeyGenParameterSpec.Builder.setAttestationChallenge(byte[]) public List getActiveAdmins () Return a list of all currently active device administrators' component names. If there are no administrators null may be returned. Returns List public String getAlwaysOnVpnPackage (ComponentName admin) Called by a device or profile owner to read the name of the package administering an always-on VPN connection for the current user. If there is no such package, or the always-on VPN is provided by the system instead of by an application, null will be returned. Parameters admin ComponentName: This value cannot be null. Returns String Package name of VPN controller responsible for always-on VPN, or null if none is set. Throws SecurityException if admin is not a device or a profile owner, public boolean getAutoTimeEnabled (ComponentName admin) Returns true if auto time is enabled on the device. Parameters admin ComponentName admin) Returns true if auto time is enabled on the device. the caller is not a device admin. This value may be null. Returns boolean true if auto time is enabled on the device. Throws SecurityException if caller is not a device owner, a profile owner for the primary user, or a profile owner of an organization-owned managed profile. public boolean getAutoTimeZoneEnabled (ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null. Returns boolean true if auto time zone is enabled on the device. Throws SecurityException if caller is not a device owner, a profile owner of a managed profile to determine whether or not Bluetooth devices cannot access The calling device admin must be a profile owner. If it is not, a security exception will be thrown. This value cannot be null. Throws SecurityException if admin is not a profile owner. public boolean getCameraDisabled (ComponentName admin) Determine whether or not the device's cameras have been disabled for this user, either by the calling admin, if specified, or all admins. This method can be called on the DevicePolicyManager instance, returned by getParentProfileInstance(android.content.ComponentName), where the caller must be the profile owner of an organization-owned managed profile. Parameters admin ComponentName: The name of the admin component to check, or null to check whether any admins have disabled the camera public PackagePolicy getCredentialManagerPolicy () Called by a device owner or profile to retrieve the credential manager policy. Returns PackagePolicy the current credential manager policy if null then this policy has not been configured. Throws SecurityException if caller is not a device owner or profile owner or device owner to retrieve a list of delegate packages that were granted a delegation scope. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. Returns List A list of package names of the current delegated packages for delegationScope. This value may be null. Throws SecurityException if admin is not a device or a profile owner or device owner to retrieve a list of the scopes given to a delegate package. Other apps can use this

method to retrieve their own delegated scopes by passing null for admin and their own package name as delegated package. Parameters admin Component Name: Which Device Admin Receiver this request is associated with, or null if the caller is delegated Package. Parameters admin Component Name: Which Device Admin Receiver this request is associated with, or null if the caller is delegated Package. Parameters admin Component Name: Which Device Admin Receiver this request is associated with, or null if the caller is delegated Package. retrieved. This value cannot be null. Returns List A list containing the scopes given to delegated Package () Returns the package name of the device policy management role holder. If the device policy management role holder package () Returns the package name of the device policy management role holder. holder is not configured for this device, returns null. public String getEnrollmentSpecific () Returns an enrollment-specific identifier of this device, which is guaranteed to be the same device, enrolled into the same organization by the same managing app. This identifier is high-entropy, useful for uniquely identifying individual devices within the same organisation. It is available both in a work profile and on a fully-managed device. The identifier would be consistent even if the work profile is removed and enrolled by the Profile Owner or Device Owner, if the setOrganizationId(java.lang.String) was previously called. If setOrganizationId(java.lang.String) was not called, then the returned value will be an empty string. Note about access to device owner, a profile owner of an organization-owned device or the delegated certificate installer (holding the DELEGATION CERT INSTALL delegation) on such a device can still obtain hardware identifiers by calling e.g. Build.getSerial(), in addition to using this method. Returns

of PRIVATE DNS MODE OFF, PRIVATE DNS MODE OPPORTUNISTIC, PRIVATE DNS MODE PROVIDER HOSTNAME or PRIVATE DNS MODE UNKNOWN. Throws SecurityException if the caller is not the device owner. public List getInstalledCaCerts (ComponentName admin) Returns all CA certificates that are currently trusted, excluding system CA certificates by other means than device policy these will be included too. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with, or null included too. calling from a delegated certificate installer. Returns List a List of byte[] arrays, each encoding one user CA certificate chooser (an app that has been delegated the DELEGATION_CERT_SELECTION privilege), to query which apps have access to a given KeyChain key. Key are granted on a per-UID basis, so if several apps share the same UID, granting access to one of them automatically grants it to others. This method returns a map containing one entry per grantee UID. Entries have UIDs as keys and sets of corresponding package names as values. In particular, grantee packages that don't share UID with other package are represented by entries having singleton sets as values. Parameters alias String: The alias of the key to grant access to a given key, arranged in a map from UID to sets of package names. This value cannot be null. See also: grantKeyPairToApp(ComponentName, String) public int getLockTask mode. Starting from Build.VERSION_CODES#UPSIDE_DOWN_CAKE, the returned policy will be the current resolved policy rather than the policy set by the calling admin. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null. See also: isAffiliatedUser()setLockTaskFeatures(ComponentName, int) public PackagePolicy getManagedProfileCallerIdAccessPolicy () Called by a profile owner of a managed profile to retrieve the caller id policy. The calling device admin must be a profile owner of a managed profile to determine the current policy applied to managed profile contacts. The calling device admin must be a profile owner of a managed profile. If it is not, a SecurityException will be thrown. Returns PackagePolicy the current contacts search policy This value may be null. public long getManagedProfileMaximumTimeOff (ComponentName admin) Called by a profile owner of an organization-owned managed profile to get maximum time the profile is allowed to be turned off

String A stable, enrollment-specific identifier. This value cannot be null. Public String getGlobalPrivateDnsHost (ComponentName admin) Returns the system-wide Private DNS host. Parameters admin ComponentName used for Private DNS queries, null if none is set. Throws SecurityException if the caller is not the device owner. public int getGlobalPrivateDnsMode (ComponentName admin) Returns the system-wide Private DNS mode. Parameters admin ComponentName admin) Returns the system-wide Private DNS mode. Parameters admin ComponentName admin) Returns the system-wide Private DNS mode. Parameters admin ComponentName admin Comp

Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with This value cannot be null. Returns long Maximum time to unlock for a particular admin or all admins that set restrictions on this user and its

participating profiles. Restrictions on profiles that have a separate challenge are not taken into account. This method can be called on the DevicePolicyManager instance (android.content.ComponentName) in order to retrieve restrictions on the parent profile Parameters admin ComponentName: The name of the admin component to check, or null to aggregate all admins. Returns long time in milliseconds for the given admin or the minimum value (strictest) of all admins if admin is null. Returns 0 if there are no restrictions. public List getMeteredDataDisabledPackages (ComponentName admin) Called by a device or profile owner to retrieve the list of packages which are restricted by the admin from using metered data. Parameters admin ComponentName: which DeviceAdminReceiver this request is associated with. This value cannot be null. Returns List the list of restricted package names. This value cannot be null. Throws SecurityException if admin is not a device or profile owner. Added in API level 31. From Build.VERSION CODES.R, the organization color is never used as the background color of the confirm credentials screen for that user. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. Returns int The 24bit (0xRRGGBB) representation of the color to be used. Throws SecurityException if admin is not a profile owner of a managed profile to obtain a DevicePolicyManager whose calls act on the parent profile. The following methods are supported for the parent instance; getPasswordQuality(ComponentName) setPasswordQuality(ComponentName, int) getPasswordMinimumLength(ComponentName) setPasswordMinimumLength(ComponentName, int) getPasswordMinimumUpperCase(ComponentName) setPasswordMinimumLowerCase(ComponentName, int) getPasswordMinimumLetters(ComponentName) setPasswordMinimumLowerCase(ComponentName, int) getPasswordMinimumLetters(ComponentName) setPasswordMinimumLowerCase(ComponentName, int) getPasswordMinimumLowerCase(ComponentName, int) getP setPasswordMinimumLetters(ComponentName, int) getPasswordMinimumNumeric(ComponentName) setPasswordMinimumSymbols(ComponentName, int) getPasswordMinimumNumeric(ComponentName) setPasswordMinimumSymbols(ComponentName, int) getPasswordMinimumNumeric(ComponentName) setPasswordMinimumNumeric(ComponentName, int) getPasswordMinimumNumeric(ComponentName, int) getPasswordMinimumNumeric(ComponentNa setPasswordMinimumNonLetter(ComponentName, int) getPasswordExpirationTimeout(ComponentName, int) getPasswordExpirationTimeout(Component isActivePasswordSufficient() getCurrentFailedPasswordStempts() getMaximumFailedPasswordsForWipe(ComponentName, int) getMaximumFailedPasswordsForWipe(ComponentName) setMaximumFailedPasswordsForWipe(ComponentName) setMaximum $set Keyguard Disabled Features (Component Name, int) \ get Trust Agent Configuration (Component Name, Component Name, Component Name, Persistable Bundle) \ get Required Strong Auth Timeout (Component Name, Long) \ extraction (Component Name, Component Name, Long) \ extraction (Component Name, Long) \ extraction (Co$ getAccountTypesWithManagementDisabled() setRequiredPasswordComplexity(int) getRequiredPasswordComplexity() The following methods are supported for the parent instance but can only be called by the profile owner of a managed profile on an organization-owned device: Parameters admin ComponentName: This value cannot be null. Throws SecurityException if admin is not a profile owner, public int getPasswordMaximumLength (int quality) Return the maximum password length that the device supports for a particular password quality. On devices not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature, the password is always empty and this method always returns 0. Parameters quality int: The quality being interrogated. Returns the maximum length that the user can enter. public int getPermissionGrantState (ComponentName admin, String packageName, String permission) Returns the current grant state of a runtime permission for a specific application. This function can be called by a device owner, profile owner, profil

Null if the caller is not a device admin. This value may be null. permission to check for. This value cannot be null. Permission String: The application to check for. This value cannot be null. Permission String: The application to check for. This value cannot be null. admin) Returns the current runtime permission policy set by the device or profile owner. The default is PERMISSION POLICY PROMPT. Parameters admin ComponentName: Which profile or device owner this request is associated with. Returns int the current policy for future permission requests. public List getPermittedAccessibilityServices (ComponentName admin) Returns the list of permitted accessibility services set by this device or profile owner. An empty list means no accessibility services except system services are allowed. null means all accessibility services are allowed. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. Returns List List of accessibility service package names. Throws SecurityException if admin is not a device or profile owner. public List getPermittedCrossProfileNotificationListeners (ComponentName admin) Returns the list of packages installed on the primary user that allowed to use a NotificationListenerService to receive notifications from this managed profile, as set by the profile owner. An empty list means no notification listener services except system ones are allowed. A null return value indicates that all notification listeners are allowed. Parameters admin ComponentName: This value cannot be null. public List getPermittedInputMethods (ComponentName admin) Returns the list of permitted input methods set by this device or

This method can be called on the DevicePolicyManager instance, returned by getParentProfile owner of an organization-owned managed profile. If called on the parent instance, then the returned list of permitted input methods are those which are applied on the personal profile. An empty list means no input methods are allowed. Null means all input methods are allowed. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin This value may be null. Returns List List of input methods are allowed. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value may be null. Throws SecurityException if admin is not a device, profile owner or if called on the parent profile and the admin is not a profile owner of an organization-owned managed profile. public boolean getScreenCaptureDisabled (ComponentName admin) Determine whether or not screen capture has been disabled by the calling admin, if specified, or all admins. This method can be called on the DevicePolicyManager instance, returned by getParentProfile owner of an organization-owned managed profile (the calling admin must be specified). Parameters admin ComponentName: The name of the admin component to check, or null to check whether any admins have disabled screen capture. Added in API level 30 public boolean getStorageEncryption (ComponentName, boolean). It does not actually reflect the storage encryption status. Use getStorageEncryptionStatus() for that. Called by an application that is administering the device to determine the requested setting for secure storage. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. If null, this will return the requested encryption setting as an aggregate of all active administrators. Returns boolean true if the admin(s) are requesting encryption, false if not. public int getStorageEncryption status of the device. Depending on the returned status code, the caller may proceed in different ways. If the result is ENCRYPTION STATUS UNSUPPORTED, the storage system does not support encrypting the storage. If the result is ENCRYPTION STATUS ACTIVE DEFAULT KEY, the storage system has enabled encryption but no password is set so further action may be required. If the result is ENCRYPTION STATUS ACTIVE PER USER, no further action is required. Throws SecurityException if called on a parent instance. public Bundle getUserRestrictions (ComponentName admin) Called by an admin to get user restrictions set by the system or other admin. To get all the user restrictions currently set, use UserManager#getUserRestrictions(). The profile owner of an organization-owned managed profile may invoke this method on the DevicePolicyManager instance it obtained from getParentProfileInstance(android.content.ComponentName), for retrieving device-wide restrictions it previously set with addUserRestriction(android.content.ComponentName, java.lang.String). For callers targeting Android Build. VERSION CODES. UPSIDE DOWN CAKE or above, this API will return the local restrictions set on the calling user, or on the parent profile Instance (android.content. Component Name). To get global restrictions set by admin, call getUserRestrictionsGlobally() instead. Note that this is different that the returned restrictions for callers targeting pre Android Build. VERSION CODES. UPSIDE DOWN CAKE, were this API returned restrictions set by the admin on the calling user using addUserRestriction(android.content.ComponentName, java.lang.String) or the parent user if called on the DevicePolicyManager instance it obtained from getParentProfileInstance(ComponentName). Parameters admin ComponentName with a Bundle whose keys are the user restrictions, and the values a boolean indicating whether the restriction is set. This value cannot be null. Throws SecurityException if admin is not a device owner or profile owner on organization-owned device to get the MAC address of the Wi-Fi device. NOTE: The MAC address returned here should only be used for inventory management and is not likely to be the MAC address used by the device to connect to Wi-Fi networks: MAC address used for scanning and connecting to Wi-Fi networks are randomized by default. To get the randomized MAC address used for scanning and connecting to Wi-Fi networks: MAC address used for scanning and connecting to Wi-Fi networks are randomized by default. format. public boolean grantKeyPairToApp (ComponentName admin, String packageName) Called by a device or profile owner, or delegated the DELEGATION CERT SELECTION privilege), to grant an application access to an already-installed (or generated) KeyChain key. This is useful (in combination with installKeyPair(ComponentName, PrivateKey, Certificate, String) or generateKeyPair(ComponentName, String, KeyChain.getPrivateKey(Context, String) without having to call KeyChain.choosePrivateKeyAlias(Activity, KeyChain.getPrivateKey, Certificate, String) without having to call KeyChain.choosePrivateKeyAlias(Activity, KeyChain.getPrivateKey, Certificate, String) without having to call KeyChain.choosePrivateKeyAlias(Activity, KeyChain.getPrivateKey, Certificate, String) without having to call KeyChain.getPrivateKeyAlias(Activity, KeyChain.getPrivateKey, Certificate, String) without having to call KeyChain.getPrivateKeyAlias(Activity, KeyChain.getPrivat

alias String: The alias of the key to grant access to. This value cannot be null. package Name String: The name of the (already installed) package to grant access to. This value cannot be null. Returns boolean true if the grant was set successfully, false otherwise.

Throws SecurityException if the caller is not a device owner, a profile owner or delegated certificate chooser. IllegalArgumentException if packageName or alias are empty, or if packageName is not a name of an installed package. See also: revokeKeyPairFromApp(ComponentName, String, String) public boolean hasCaCertInstalled (ComponentName admin, byte] certBuffer) Returns whether this request is associated with, or null if calling from a delegated certificate installer, certBuffer byte: encoded form of the certificate to look up, public boolean hasGrantedPolicy (ComponentName admin, int usesPolicy) Returns true if an administrator was activated under an earlier set of policies, but requires additional policies

The grantee app will receive the KeyChain.ACTION KEY ACCESS CHANGED broadcast when access to a key is granted. Starting from Build.VERSION CODES.UPSIDE DOWN CAKE throws an IllegalArgumentException if alias doesn't correspond to an existing key.

after an upgrade. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Must be an active administrator, or an exception will be thrown. This value cannot be null. uses-policy int: Which uses-policy to check, as defined in DeviceAdminInfo. Throws SecurityException if admin is not an active administrator. public boolean hasLockdownAdminConfiguredNetworks (ComponentName admin) Called by a device owner or a profile owner of an organization-owned managed profile to determine whether the user is prevented from modifying networks configured by the admin. Parameters admin ComponentName: admin Which DeviceAdminReceiver this request is associated with. This value may be null. Throws SecurityException if caller is not a device owner or a profile owner of an organization-owned managed profile, public boolean installed in another user, or has been kept after removal via setKeepUninstalledPackages (ComponentName, List). This function can be called by a device owner, profile owner or a delegate given the DELEGATION INSTALL EXISTING PACKAGE scope via setDelegatedScopes(ComponentName, String, List). When called in a secondary user or managed profile, the user/profile must be affiliated with the device. See isAffiliatedUser(). Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null, packageName String: The package to be installed in the calling profile. Returns boolean true if the app is installed; false otherwise. Throws SecurityException if admin is not the device owner, or the profile owner of an affiliated user or profile.

public boolean installKeyPair (ComponentName admin, PrivateKey privKey, Certificate; All apps within the profile will be able to access the certificate chain and use the private key, given direct user approval (if the user is allowed to select the private key). From Android Build. VERSION CODES.S, the credential management app can call this API. If called by the credential management app can call this API. If called by the credential management app can call this API. If called by the credential management app can call this API. If called by the credential management app can call this API. If called by the credential management app can call this API. If called by the credential management app can call this API. If called by the credential management app can call this API. If called by the credential management app can call this API. If called by the credential management app can call this API. If called by the credential management app can call this API. If called by the credential management app can call this API. If called by the credential management app can call this API. If called by the credential management app can call this API. selectable Note, there can only be a credential management app on an unmanaged device. The caller of this API may grant itself access to the certificate and private key immediately, without user approval. It is a best practice not to request this unless strictly necessary since it opens up additional security vulnerabilities. Include INSTALLKEY SET USER SELECTABLE in the flags argument to allow the user to select the key from a dialog. Note: If the provided alias is of an existing alias, all former grants that apps have been given to access the key and certificates associated with this alias will be revoked. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with, or null if the caller is not a device admin. privKey PrivateKey: The private key to install.

will be overwritten. This value cannot be null. flags int: Flags to request that the calling app be granted access to the credentials and set the key to be user-selectable. See INSTALLKEY REQUEST CREDENTIALS ACCESS. Returns boolean true if the keys were installed, false otherwise. public boolean installKeyPair (ComponentName admin, PrivateKey privKey, Certificate chain and corresponding private key for the leaf certificate: All apps within the profile will be able to access the certificate chain and use the private key, given direct user approval. From Android Build. VERSION CODES.S, the credential management app can call this API. However, this API sets the key pair as user selectable by default, which is not permitted when called by the credential management app. Instead, install KeyPair (android.content.ComponentName, java.security.PrivateKey, java.security.cert.Certificate[], java.lang.String, int) should be called with INSTALLKEY SET USER SELECTABLE not set as a flag. Note, there can only be a credential management app on an unmanaged device. The caller of this API may grant itself access to the certificate and private key immediately, without user approval. It is a best practice not to request this unless strictly necessary since it opens up additional security vulnerabilities. Note: If the provided alias is of an existing alias, all former grants that apps have been given to access the key and certificates associated with, or null if the caller is not a device admin. privKey PrivateKey: The private key to install. This value cannot be null. certs Certificate: The certificate chain to install. The chain should start with the leaf certificate Chain (Context, String). This value cannot be null. alias String: The private key alias under which to install the certificate If a certificate with that alias already exists, it will be overwritten. This value cannot be null. request that the calling app be granted access to the credentials immediately. Otherwise, access to the credentials will be overwritten. This value cannot be null. request that the calling app be granted access to the credentials immediately. installKeyPair (ComponentName admin, PrivateKey privKey, Certificate and corresponding private key; All apps within the profile will be able to access the certificate and use the private key, given direct user approval. From Android Build. VERSION CODES.S, the

certs Certificate: The certificate chain to install. The chain should start with the leaf certificate and include the chain of trust in order. This will be returned by KeyChain.getCertificate with that alias already exists, it

credential management app can call this API. However, this API sets the key pair as user selectable by default, which is not permitted when called by the credential management app. Instead, installKeyPair(android.content.ComponentName, java.security.PrivateKey, java.security.cert.Certificate[], java.lang.String, int) should be called with INSTALLKEY SET USER SELECTABLE not set as a flag. Access to the installed credentials will not be granted to the caller of this API without direct user approval. This is for security - should a certificate installed will be protected. If the installer must have access to the credentials, call installKeyPair(android.content.ComponentName, java.security.PrivateKey, java.security.privateKey Which DeviceAdminReceiver this request is associated with, or null if the caller is not a device admin. privKey Private key to install. This value cannot be null. alias String: The private key alias under which to install the certificate with that alias already exists, it will be overwritten. This value cannot be null. Returns boolean true if the keys were installed, false otherwise. public void installSystemUpdate (ComponentName admin, Uri updateFilePath, Executor executor, DevicePolicyManager.InstallSystemUpdate (ComponentName admin, Uri updateFilePath, Executor). managed profile to install a system update from the given file. The device will be rebooted in order to finish installing the update. Note that if the device is rebooted, this doesn't necessarily mean that the update has been applied successfully. The caller should additionally check the system version with Build.FINGERPRINT or Build.VERSION. If an error occurs during processing the OTA before the reboot, the caller will be notified by InstallSystemUpdateCallback. If device does not have sufficient battery level, the installation will fail with error

DevicePolicyManager.InstallSystemUpdateCallback.UPDATE ERROR BATTERY LOW. Parameters admin ComponentName: The DeviceAdminReceiver that this request is associated with. Null if the caller is not a device admin This value may be null. updateFilePath Uri: A Uri of the file that contains the update. The file should be readable by the calling app. This value cannot be null. executor: The executor through this Executor, providing an easy way to control which thread is used. To dispatch events through the main thread of

your application, you can use Context.getMainExecutor(). Otherwise, provide an Executor that dispatches to an appropriate thread. callback DevicePolicyManager.InstallSystemUpdateCallback: A callback DevicePolicyManager.InstallSystemUpdateCallback: A callback DevicePolicyManager.InstallSystemUpdateCallback DevicePolicyManager.InstallBack DevicePolic Determines whether the calling user's current password meets policy requirements (e.g. quality, minimum length). The user must be unlocked to perform this check can be set by admins of the user, but also by the admin of a managed profile associated with the calling user (when the managed profile doesn't have a separate work challenge. When a managed profile has a separate work challenge, its policy requirements only affect the managed profile. Depending on the user, this method checks the policy requirement against one of the following passwords: For the primary user or secondary users: the personal keyguard password. For managed profiles: a work challenge if set, otherwise the parent user's personal keyguard password. In other words, it's always checking the requirement against the password that is protecting the calling user. Note that this method considers all policy requirements targeting the password in question. For example a profile owner might set a requirement on the parent profile i.e. personal keyquard but not on the profile itself. When the device has a weak personal keyquard password and no separate work challenge, calling this method will return false despite the profile owner not setting a policy on the profile itself. This is because the profile's

current password is the personal keyquard password, and it does not meet all policy requirements. Device admins must request DeviceAdminInfo#USES POLICY LIMIT PASSWORD before calling this method. Note, this policy type is deprecated for device admins in Android 9.0 (API level 28) or higher. This method can be called on the DevicePolicyManager instance returned by getParentProfile is sufficient. On devices not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature, the password is always treated as empty - i.e. this method will always return false on such devices, provided any password requirements were set.

Returns boolean true if the password meets the policy requirements, false otherwise public boolean isActivePasswordSufficientForDeviceRequirement () Called by profile owner of a managed profile to determine whether the current device password meets policy requirements set explicitly device-wide. This API is similar to isActivePasswordSufficient(), with two notable differences: this API always targets the device password. As a result it should always be called on the getParentProfileInstance(android.content.ComponentName) instance. password policy requirement set on the managed profile is not taken into consideration by this API, even if the device currently does not have a separate work challenge set. This API is designed to facilite progressive password enrollment flows when the DPC imposes both device and profile password policies.

DPC applies profile password policy by calling setPasswordQuality(android.content.ComponentName, int) or setRequiredPasswordComplexity(int) on the getParentProfileInstance(android.content.ComponentName)

instance. The DPC can utilize this check to guide the user to set a device password first taking into consideration the device-wide policy only, and then prompt the user to either upgrade it to be fully compliant, or enroll a separate work challenge to satisfy the profile password policy only. The device user must be unlocked (@link UserManager#isUserUnlocked(UserHandle)) to perform this check. Returns boolean true if the device password meets explicit requirement set on it, false otherwise. Throws SecurityException if the calling application is not a profile owner of a managed profile, or if this API is not called on the parent DevicePolicyManager instance. IllegalStateException if the user isn't unlocked See also: EXTRA DEVICE PASSWORD REQUIREMENT ONLY public boolean isAdminActive (ComponentName admin) Return true if the given administrator component to check for. This value cannot be null. Returns boolean true if admin is currently enabled in the system, false otherwise public boolean is affiliated with the device. By definition, the user that the device if the set specified by its profile owner via setAffiliationIds(ComponentName, Set) intersects with the device owner's. See also: setAffiliationIds(ComponentName admin, String packageName) Determine if a package is hidden This function can be called by a device owner, profile owner, or by a delegate given the DELEGATION PACKAGE ACCESS scope via setDelegatedScopes (ComponentName, String, List). This method can be called on the DevicePolicyManager instance, returned by getParentProfileInstance (android.content.ComponentName), where the caller must be the profile owner of an organization-owned managed profile and the package is hidden or unhidden in the personal profile. Starting from Build. VERSION CODES#UPSIDE DOWN CAKE, the returned policy will be the current resolved policy rather than the policy set by the calling admin. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with, or null if the caller is not a device admin. package to retrieve the hidden status of. Returns boolean broolean true if the package is hidden, false otherwise. Throws Security Exception if admin is not a device or profile and the parent profile and the paren admin) Returns whether Common Criteria mode is currently enabled. Device owner and profile can query its own Common Criteria mode state by passing null as the admin argument. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null. Returns boolean true if Common Criteria mode is enabled, false otherwise. public boolean isDeviceOwnerApp (String packageName) Used to determine if a particular package has been registered as a Device Owner app. A device owner app is a special device admin. It also cannot be uninstalled. To check whether a particular package is currently registered as the device owner app, pass in the package name from Context#getPackageName() to this method. This is useful for device admin apps that want to check whether they are also registered as a device owner app. The exact mechanism by which a device admin app is registered as a device owner app is defined by the setup process. Parameters package name of the app, to compare with the registered device owner app, if any. Returns boolean whether or not the package is registered as the device owner app. public boolean is Ephemeral user. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null Returns boolean whether the profile owner is running in an ephemeral user. public boolean isKeyPairGrantedToWifiAuth (String alias) Called by a device or profile owner, or delegated certificate chooser (an app that has been delegated the DELEGATION CERT SELECTION privilege), to query whether a KeyChain key pair can be used for authentication to Wifi networks. Parameters alias String: The alias of the key pair. This value cannot be null. Returns boolean true if the key pair can be used, false otherwise. Throws SecurityException if the caller is not a device owner, a profile owner or delegated certificate chooser. See also: grantKeyPairToWifiAuth(String) public boolean isLockTaskPermitted (String pkg) This function lets the caller know whether the given component is allowed to start the lock task mode. Parameters pkg String: The package to check public boolean isLogout is enabled by device owner, false otherwise. public boolean isMasterVolumeMuted (ComponentName admin) Called by profile or device owners to check whether the global volume mute is on or off. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. Returns boolean true if global volume is muted, false if it's not. Throws SecurityException if admin is not a device or profile owner. public boolean isNetworkLoggingEnabled (ComponentName admin) Return whether network logging is enabled by a device owner or profile owner owner or profile owner owner or profile owner or profile owner owner or profile owner owner or profile owner ow MANAGE USERS permission public boolean isOrganizationOwnedDeviceWithManagedProfile () Apps can use this method to find out if the device was provisioned as organization-owend device with a managed profile. This, together with checking whether the device was provisioned as organization-owend device with a managed profile. This, together with checking whether the device was provisioned as organization-owend device with a managed profile. whether the device is owned by an organization or an individual: If this method returns true (for any package), then the device was provisioned as organization-owned device, false otherwise, public boolean is Preferential Network Service Enabled () Indicates whether preferential network service is enabled. Before Android version Build. VERSION_CODES. TIRAMISU: This method can be called by the profile owner of a managed profile owner. of a managed profile or device owner. Returns boolean whether preferential network service is enabled, public boolean is Profile Owner for the user. A profile owner is a special device admin that has additional privileges within the profile Returns boolean Whether or not the package is registered as the profile owner. public boolean isSafeOperation (int reason) Checks if it's safe to run operation safety state might change between the time this method returns and the operation's method is called, so calls to the latter could still throw a UnsafeStateException even when this method returns true. Returns boolean whether it's safe to run operations that can be affected by the given reason. public boolean isSecurityLoggingEnabled (ComponentName admin) Return whether security logging is enabled or not by the admin. Can only be called by the device owner or a profile owner of an organization-owned managed profile, otherwise a Security Exception will be thrown. Parameters admin ComponentName: Which device admin this request is associated with. Null if the caller is not a device admin this request is associated with. Null if the caller is not a device admin this request is associated with. isUninstallBlocked (ComponentName admin, String packageName) Check whether the user has been blocked by device policy from uninstalling a package. Requires the caller to be the profile owner if checking a specific admin's policy. Note: Starting from Build.VERSION CODES.LOLLIPOP MR1, the behavior of this API is changed such that passing null will cause a NullPointerException to be raised. Note: If your app targets Android 11 (API level 30) or higher, this method returns a filtered result. Learn more about how to manage package visibility. Starting from Build.VERSION_CODES#UPSIDE_DOWN_CAKE, the returned policy will be the current resolved policy rather than the policy set by the calling admin. Parameters admin ComponentName: The name of the admin component whose blocking policy will be checked, or null to check whether any admin has blocked the uninstallation. Starting from Build. VERSION CODES. UPSIDE DOWN CAKE admin will be ignored and assumed null. package to check. Returns boolean true if uninstallation is blocked and the given package is visible to you, false otherwise if uninstallation isn't blocked or the given package isn't visible to you. Throws SecurityException if admin is not a device or profile owner. public boolean isUsbDataSignalingEnabled () Returns whether USB data signaling is currently enabled. When called by a device owner or profile owner of an organization-owned managed profile, this API returns whether USB data signaling is currently enabled on the device. Returns boolean true if USB data signaling is enabled, false otherwise. public boolean isUsingUnifiedPassword (ComponentName admin) When called by a profile owner of a managed profile returns true if the profile uses unified challenge with its parent user. Note: This method is not concerned with password as a separate challenge. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. See also: UserManager.DISALLOW UNIFIED PASSWORD public void lockNow () Make the device in response to an urgent situation, such as a lost or stolen device. After this method is called, the device must be unlocked using strong authentication (PIN, pattern, or password). This API is intended for use only by device admins. From version Build. VERSION CODES.R onwards, the caller must either have the LOCK DEVICE permission or the device must have the device admins feature; if neither is true, then the method will return without completing any action. Before version Build.VERSION CODES.R, the device admin feature, regardless of the caller's permissions. The calling device admin must have requested DeviceAdminInfo#USES POLICY FORCE LOCK to be able to call this method; if it has not, a security exception will be thrown. If there's no lock type set, this method forces the device to go to sleep but doesn't lock the device. Device admins who find the device in this state can lock an otherwise-insecure device by first calling resetPassword (String, int) to set the password and then lock the device admins who find the device. This method can be called on the DevicePolicyManager instance returned by getParentProfileInstance(android.content.ComponentName) in order to lock the parent profile. NOTE: on automotive builds, this method doesn't turn off the screen as it would be a driving safety distraction. Equivalent to calling lockNow (int flags) Make the device lock immediately, as if the lock screen timeout has expired at the point of this call. This method secures the device in response to an urgent situation, such as a lost or stolen device. After this method is called, the device must be unlocked using strong authentication (PIN, pattern, or password). This API is for use only by device admins and holders of the Manifest permission. From version Build. VERSION CODES.R onwards, the caller must either have the device admin feature; if neither is true, then the method will return without completing any action. Before version Build. VERSION CODES.R, the device admin must have requested DeviceAdminInfo#USES POLICY FORCE LOCK to be able to call this method; if it has not, a security exception will be thrown. If there's no lock type set, this method forces the device to go to sleep but doesn't lock the device admins who find the device and it here's no lock type set, this method can be called on the DevicePolicyManager instance returned by getParentProfileInstance(android.content.ComponentName) in order to lock the parent profile as well as the managed profile. NOTE: In order to lock the parent profile and evict the encryption key of the managed profile. NOTE: In order to lock the parent profile and evict the encryption key of the managed profile. getParentProfileInstance(android.content.ComponentName), then lockNow(int) should be called on the DevicePolicyManager instance associated with the managed profile, with the managed profile profil managed profile from issuing a second call to lock its own profile. NOTE: on automotive builds, this method doesn't turn off the screen as it would be a driving safety distraction. public int logoutUser (ComponentName admin) Called by a profile owner of secondary user that is affiliated with the device to stop the calling user and switch back to primary user (when the user was switchUser(android.content.ComponentName, android.os.UserHandle) switched to) or stop the user (when it was started in background. Notice that on devices running with headless system user mode, there is no primary user, so it switches back to the user that was in the foreground before the first call to switchUser(android.content.ComponentName, android.os.UserHandle) (or fails with UserManager#USER OPERATION ERROR UNKNOWN if that method was not called prior to this call). Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. Returns int one of the following result codes: UserManager#USER OPERATION ERROR UNKNOWN, UserManager#USER OPERATION ERROR CURRENT USER OPERATION ERROR UNKNOWN, UserManager#USER OPERATION ERROR UNKNOWN, USER OPERATION ERROR UNKNOWN, USER O UserManager.USER OPERATION ERROR MANAGED PROFILE, UserManager.USER OPERATION ERROR MAX RUNNING USERS, UserManager.USER OPERATION ERROR MAX USERS, or android.os.UserManager.USER OPERATION ERROR USER ACCOUNT ALREADY EXISTS See also: getSecondaryUsers(ComponentName) public void removeActiveAdmin (ComponentName) public void removeActiveAdmin (ComponentName) for the administration component admini someone else's component, a security exception will be thrown. Note that the operation is not synchronous and the admin might still be active (as indicated by getActiveAdmins()) by the time this method returns. Parameters admin ComponentName: The administration component to remove. This value cannot be null. public boolean removeKeyPair (ComponentName admin, String alias) This API can be called by the following to remove a certificate and private key pair installed under a given alias: Device owner Profile owner Delegated certificate installed under a given alias. Device owner Profile owner Delegated certificate installed under a given alias. credential management app, the componentName must be null. Note, there can only be a credential management app on an unmanaged device. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with, or null if the caller is not a device admin. alias String: The private key alias under which the certificate is installed. This value cannot be null. Returns boolean true if the private key alias no longer exists, false otherwise. Throws SecurityException is not a delegated certificate installer or credential management app. public boolean removeOverrideApn (ComponentName admin, int apnId) Called by device owner or managed profile owner to remove an override APN. This method may returns false if there is no override APN. This method may returns false if there is no override APN. This method may returns false if there is no override APN. This method may returns false if there is no override APN. This method may returns false if there is no override APN. This method may returns false if there is no override APN. This method may returns false if there is no override APN with the given apnId. Build.VERSION CODES.TIRAMISU: Both device owners and managed profile owners can remove enterprise APNs (ApnSetting#TYPE ENTERPRISE), while only device owners can remove other type of APNs. Parameters admin ComponentName: which DeviceAdminReceiver this request is associated with This value cannot be null. apnId int: the id of the override APN to remove Returns boolean true if the required override APN is successfully removed, false otherwise. Throws SecurityException If request is for enterprise APN admin is either device owner or profile owner and in all other types of APN if admin is not a device owner. See also: setOverrideApnsEnabled(ComponentName, boolean) public boolean removeUser (ComponentName admin, UserHandle) Called by a device owner to remove a user/profile and all associated data. The primary user can not be removed. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with This value cannot be null. userHandle UserHandle: the user to remove. This value cannot be null. Returns boolean true if the user was removed, false otherwise. Throws Security Exception if admin is not a device owner to request a bugreport. If the device contains to leave the user was removed, false otherwise. Throws Security Exception if admin is not a device owner to request a bugreport. If the device contains to leave the user was removed, false otherwise. Throws Security Exception if admin is not a device owner to request a bugreport. If the device contains the user was removed, false otherwise. secondary users or profiles, they must be affiliated with the device. Otherwise a SecurityException will be thrown. See isAffiliatedUser(). Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with the device. Otherwise a SecurityException will be thrown. See isAffiliatedUser(). Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with the device. triggered because a previous bugreport operation is still active (either the bugreport is still running or waiting for the user to share or decline) Throws SecurityException if admin is not a device owner, or there is at least one profile or secondary user that is not affiliated with the device. See also: Added in API level 8 Deprecated in API level 30 public boolean resetPassword (String password, int flags) This method was deprecated in API level 30. Please use resetPasswordWithToken(ComponentName, String, byte, int) instead. Force a new password for device unlock (the password method was deprecated in API level 30. Please use resetPasswordWithToken(ComponentName, String, byte, int) instead. Force a new password for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was deprecated in API level 30. Please use resetPassword for device unlock (the password method was device Before Build.VERSION CODES.N, this API is available to device owner and device owner and device owner can continue to force change an existing password as long as the target user is unlocked, although device owner will not be able to call this API at all if there is also a managed profile owner and devices owner targeting SDK level Build.VERSION CODES.O, Build.VERSION CODES or above who attempt to call this API will receive SecurityException; they are encouraged to migrate to the new resetPasswordWithToken(ComponentName, String, byte, int) API instead. Profile owner and device owner targeting older SDK levels are not affected: they continue to experience the existing behaviour described in the previous paragraph Starting from Build.VERSION_CODES.R, this API is no longer supported in most cases. Device owner and profile owner calling this API will receive a silent failure (API returning false) if they target lower SDK level. For legacy device admins, this API throws SecurityException if they target SDK level Build.VERSION CODES.N or above, and returns false otherwise. Only privileged apps holding RESET_PASSWORD permission which are part of the system factory image can still call this API to set a new password if there is currently no password set. In this case, if the device already has a password The given password must be sufficient for the current password quality and length constraints as returned by getPasswordQuality(android.content.ComponentName); if it does not meet these constraints, then it will be rejected and false returned. Note that the password may be a stronger quality (containing alphanumeric characters when the requested quality is only numeric), in which case the currently active quality will be increased to match. On devices not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature, this methods does nothing. The calling device admin must have requested DeviceAdminInfo#USES POLICY RESET PASSWORD to be able to call this method; if it has not, a security exception will be thrown. Requires the PackageManager.hasSystemFeature (String). Returns boolean Returns true if the password was applied, or false if it is not acceptable for the current constraints. public boolean resetPasswordWithToken (ComponentName admin, String password, byte[] token, int flags) Called by device or profile owner to force set a new device unlock password (String, int), The supplied token must have been previously provisioned via setResetPasswordToken(ComponentName, byte), and in active state isResetPasswordTokenActive(ComponentName). The given password must be sufficient for the current password must be suf getPasswordMinimumLength(android.content.ComponentName); if it does not meet these constraints, then it will be rejected and false returned. Note that the password may be a stronger quality, for example, a password will clear any existing PIN, pattern or password if the current password constraints allow it. On devices not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature which can be detected using PackageManager.hasSystemFeature(String). Returns boolean Returns true if the password was applied, or false if it is not acceptable for the current constraints. public List retrieveNetworkLogs (ComponentName admin, long batchToken) Called by device owner, profile owner of a managed profile or delegated app with DELEGATION NETWORK LOGGING to retrieve the most recent batch of token of the most recent available batch of logs, null will be returned. NetworkEvent can be one of DnsEvent or ConnectEvent. The list of network events is sorted chronologically, and contains at most 1200 events. Access to the logs after the device owner has been notified via DeviceAdminReceiver#onNetworkLogsAvailable. If the caller is not a profile owner and a secondary user or profile is created, calling this method will throw a SecurityException until all users become affiliated again. It will also no longer be possible to retrieve the network logs batch with the most recent batchToken provided by DeviceAdminReceiver#onNetworkLogsAvailable See DevicePolicyManager#setAffiliationIds. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with, or null if called by a delegated app. batchToken long: A token of the batch to retrieve Returns List A new batch of network logs which is a list of NetworkEvent. Returns null if the batch represented by batchToken is no longer available or if logging is disabled. Throws SecurityException if admin is not a device owner or if the admin is not a filiated with the device. public List retrievePreRebootSecurityLogs (ComponentName admin) Called by device owner or profile owner of an organization-owned managed profile to retrieve device logs from before the device's last reboot. This API is not supported on all devices will result in null being returned. The device logs are retrieved from a RAM region which is not guaranteed to be corruption-free during power cycles, as a

result be cautious about data corruption when parsing. When called by a device owner, if there is any other user or profile on the device, it must be affiliated with the device admin this request is associated with, or null if called by a delegated app. Returns List Device logs from before the latest reboot of the system, or null if this API is not allowed to access security logging, or there is at least one profile or secondary user that is not affiliated with the device. See also:

KeyChain key pair. Calls by the application to KeyChain.ACTION KEY ACCESS CHANGED broadcast when access to a key is revoked. The grantee app will receive the KeyChain.ACTION KEY ACCESS CHANGED broadcast when access to a key is revoked. The grantee app will receive the KeyChain.ACTION KEY ACCESS CHANGED broadcast when access to a key is revoked. The grantee app will receive the KeyChain.ACTION KEY ACCESS CHANGED broadcast when access to a key is revoked. The grantee app will receive the KeyChain.ACTION KEY ACCESS CHANGED broadcast when access to a key is revoked. doesn't correspond to an existing key. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with, or null if calling from a delegated certificate chooser, alias String: The name of the (already installed) package to revoke This value cannot be null. Returns boolean true if the grant was revoked successfully, false otherwise. Throws SecurityException if the caller is not a device owner, a profile owner or delegated certificate chooser. IllegalArgumentException if packageName or alias are empty, or if packageName is not a name of an installed package. See also: grantKeyPairToApp(ComponentName, String) public boolean revokeKeyPairFromWifiAuth (String alias) Called by a device or profile owner, or delegated certificate chooser (an app that has been delegated the DELEGATION CERT SELECTION privilege), to deny using a KeyChain key pair for authentication to Wifi networks. Configured networks using this key won't be able to authenticate. Starting from Build.VERSION CODES.UPSIDE DOWN CAKE throws an IllegalArgumentException if alias doesn't correspond to an existing key. Parameters alias String: The alias of the key pair. This value cannot be null. Returns boolean true if the operation was set successfully, false otherwise. Throws SecurityException if the caller is not a device owner or delegated certificate chooser. See also: grantKeyPairToWifiAuth(String) public void setAccountManagementDisabled (ComponentName admin, String accountType, boolean disabled) Called by a device owner or profile owner to disable account management for a specific type of account. The calling device admin must be a device owner or profile owner. If it is not, a security exception will be thrown. When account type, adding or removing an account type, adding or removing an account type, adding or removing an account type. AccountManager APIs to add or remove accounts when account management for a specific type is disabled. This method may be called on the DevicePolicyManager instance (android.content.ComponentName) by the profile owner on an organization-owned device, to restrict accounts that may not be managed on the primary profile. Starting from Build.VERSION_CODES#UPSIDE_DOWN_CAKE, after the account management disabled policy has been set, PolicyUpdateReceiver#onPolicySetResult(Context, String, Bundle, TargetUser, Bundle, TargetUser, Bundle, TargetUser, Bundle, TargetUser, Bundle, Bun there has been a change to the policy Policy Update Receiver #on Policy Update Receiver #on Policy Update Result and the Policy Update Result will contain the reason why the policy changed.

Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null. account management will be disabled (true) or enabled (false)

Throws SecurityException if admin is not a device or profile owner. public void setAffiliationIds (ComponentName admin, Set ids) Indicates the entity that controls the device. Two users are affiliated if the set of ids set by the device owner and the admin of the secondary user.

A user that is affiliated with the device owner user is considered to be affiliated with the device. Note: Features that depend on user affiliation (such as security logging or bindDeviceAdminServiceAsUser(ComponentName, Intent, ServiceConnection, BindServiceFlags, UserHandle)) won't be available when a secondary user is created, until it becomes affiliated. Therefore it is recommended that the appropriate affiliation ids are set by its owner as soon as possible after the user is created. Note: This method used to be available for affiliation ids are set by its owner and profile owner. However, since Android 11, this combination is not possible. This method is now only useful for affiliating the primary user with managed secondary users. Parameters admin ComponentName: Which device owner, or owner of secondary user, this request is associated with. This value cannot be null. ids Set: A set of opaque non-empty affiliation ids. This value cannot be null. Throws IllegalArgumentException if ids is null or contains an empty string. See also: public void setAlwaysOnVpnPackage (ComponentName admin, String vpnPackage, boolean lockdownEnabled) Called by a device or profile owner to configure an always-on VPN connection through a specific application for the current user. This connection is automatically granted and persisted after a reboot. To support the always-on feature, an app must The call will fail if called with the package name of an unsupported VPN app. Enabling lockdown via lockdown could break networking for all apps. This method clears any lockdown allowlist set by setAlwaysOnVpnPackage (android.content.ComponentName, java.lang.String, boolean, java.util.Set). Starting from API 31 calling this method with vpnPackage set to null only removes the existing configuration if it was previously created by this admin. To remove VPN configuration created by the user use UserManager#DISALLOW CONFIG VPN. Parameters admin ComponentName: This value cannot be null. vpnPackage String: The package String: The package string when the VPN is not connected or false otherwise. This has no effect when clearing. See also: setAlwaysOnVpnPackage (ComponentName admin, String vpnPackage, boolean lockdownEnabled, Set lockdownAllowlist) A version of setAlwaysOnVpnPackage(android.content.ComponentName, java.lang.String, boolean) that allows the admin to specify a set of apps switch over to VPN if allowed to use that VPN. System apps can always bypass VPN. Note that the system doesn't update the allowlist when packages are installed or uninstalled, the admin app must call this method to keep the list up to date. When lockdownAllowlist is null or empty, only system apps can bypass VPN. Setting always-on VPN package to null or using setAlwaysOnVpnPackage(android.content.ComponentName, java.lang.String, boolean) clears lockdown allowlist. Parameters admin ComponentName, java.lang.String; boolean) clears lockdown Enabled boolean: true to disallow networking when the VPN is not connected or false otherwise. This has no effect when clearing. lockdown mode but not connected. Has no effect when clearing. This value may be null. public boolean setApplicationHidden (ComponentName admin, String packageName, boolean hidden it is unavailable for use, but the data and actual package file remain. This function can be called by a device owner, profile ow List). This method can be called on the DevicePolicyManager instance, returned by getParentProfileInstance, returned by getParentProfile owner of an organization-owned managed profile and the package must be a system package. If called on the parent instance, then the package is hidden or unhidden in the personal profile. Starting from Build.VERSION_CODES#UPSIDE_DOWN_CAKE, after the application hidden policy was successfully set or not. This callback will contain: If there has been a change to the policy, PolicyUpdateReceiver#onPolicyChanged(Context, String, Bundle, TargetUser, PolicyUpdateReceiver#onPolicySetResult and the PolicyUpdateReceiver#onPolicyChanged(Context, String, Bundle, TargetUser, Bundle, Bundle, TargetUser, Bundle, Bundl ComponentName: Which DeviceAdminReceiver this request is associated with, or null if the caller is not a device admin. package should be hidden, false if it should be unhidden. Returns boolean Whether the hidden setting of the package was successfully updated. Throws SecurityException if admin is not a device or profile owner or if called on the parent profile and the admin is not a profile owner of an organization-owned managed profile. IllegalArgumentException if called on the parent profile and the package provided is not a system package. public void setApplicationRestrictions (ComponentName admin, String packageName, Bundle settings) Sets the application restrictions for a given target application running in the calling user. The caller must be a profile or device owner on that user, or the package allowed to manage application restrictions via

getApplicationRestrictions(ComponentName, String). Starting from Android Version Build.VERSION_CODES.UPSIDE_DOWN_CAKE, multiple admins can get the list of app restrictions set by each admin via RestrictionsManager.getApplicationRestrictionsPerAdmin(). NOTE: The method performs disk I/O and shouldn't be called on the main thread. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with, or null if called by the application restrictions managing package. packageName String: The name of the package to update restricted settings for. settings Bundle: A Bundle to be parsed by the receiving application, conveying a new set of active restrictions. Throws SecurityException if admin is not a device or profile owner. Added in API level 24 Deprecated in API level 26 public void setApplicationRestrictions. (ComponentName admin, String packageName) This method was deprecated in API level 26. From Build. VERSION CODES.O. Use setDelegatedScopes (ComponentName, String, List) with the DELEGATION APP RESTRICTIONS scope instead. Called by a profile owner or device owner to grant permission to a package to manage application restrictions for the calling user via setApplicationRestrictions(ComponentName, String, Bundle) and getApplicationRestrictions(ComponentName, String). This permission is persistent until it is later cleared by calling this method with a null value or uninstalling the managing package. The supplied application restriction managing package must be installed when calling this API, otherwise an NameNotFoundException will be thrown. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with This value cannot be null. packageName String: The package will be given access to application restrictions APIs. If null is given the current package will be cleared. public void setAutoTimeEnabled (ComponentName admin, boolean enabled) Called by a device owner, a profile owner for the primary user or a profile owner of an organization-owned managed profile to turn auto time on and off. Callers are recommended to use UserManager#DISALLOW CONFIG DATE TIME to prevent the user from changing this setting. If user restriction UserManager#DISALLOW CONFIG DATE TIME to prevent the user from changing this setting. will be used. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device owner, a profile owner for the primary user, or a profile owner of an organization-owned managed profile. Added in API level 30 public void setAutoTimeRequired (ComponentName, boolean) to turn auto time on or off and use UserManager#DISALLOW CONFIG DATE TIME to prevent the user from changing this setting.

setDelegatedScopes(ComponentName, String, List) with the DELEGATION APP RESTRICTIONS scope; otherwise a security exception will be thrown. The provided Bundle consists of key-value pairs, where the types of values may be: If the restrictions are not available yet, but may be applied in the near future, the caller can notify the target

application of that by adding UserManager#KEY RESTRICTIONS PENDING to the settings parameter. The application restrictions (String), in addition to the profile or device owner, and the application restrictions managing package via

Called by a device owner, or alternatively a profile owner from Android 8.0 (API level 26) or higher, to set whether auto time is required. If auto time is required, no user will be able set the date and time and network date and time will be used. Note: If auto time is required the user can still manually set the time zone. Staring from Android 11, if auto time is required, the user cannot manually set the time zone. The calling device admin must be a device owner, or alternatively a profile owner from Android 8.0 (API level 26) or higher. If it is not, a security exception will be thrown. Staring from Android 11, this API switches to use UserManager#DISALLOW CONFIG DATE TIME to enforce auto time settings. Calling this API to lift the requirement will result in UserManager#DISALLOW CONFIG DATE TIME being set, while calling this API to enforce auto time will result in UserManager#DISALLOW CONFIG DATE TIME being set, while calling this API to enforce auto time will result in UserManager#DISALLOW CONFIG DATE TIME to enforce auto time will result in UserManager#DISALLOW CONFIG DATE TIME being set, while calling this API to enforce auto time will result in UserManager#DISALLOW CONFIG DATE TIME being set, while calling this API to enforce auto time will result in UserManager#DISALLOW CONFIG DATE TIME being set, while calling this API to enforce auto time will result in UserManager#DISALLOW CONFIG DATE TIME being set, while calling this API to enforce auto time will result in UserManager#DISALLOW CONFIG DATE TIME being set, while calling this API to enforce auto time will result in UserManager#DISALLOW CONFIG DATE TIME being set, while calling this API to enforce auto time will result in UserManager#DISALLOW CONFIG DATE TIME being set, while calling this API to enforce auto time will result in UserManager#DISALLOW CONFIG DATE TIME being set, while calling this API to enforce auto time will result in UserManager#DISALLOW CONFIG DATE TIME being set. cleared. From Android 11, this API can also no longer be called on a managed profile. Parameters admin ComponentName: Which DeviceAdminReceiver this required or not. Throws SecurityException if admin is not a device owner, not a profile owner or if this API is called on a managed profile to turn auto time zone on and off. Callers are recommended to use UserManager#DISALLOW CONFIG DATE TIME to prevent the user from changing this setting.

This value may be null, enabled boolean: Whether time zone should be obtained automatically from the network or not. Throws SecurityException if caller is not a device owner, a profile owner for the primary user, or a profile owner for the primary user, or a profile owner for the primary user. enabled) Allows the device owner or profile owner to enable or disable the backup service will prevent data from being backed up or restored. Device owner calls this API to control backup services across all users on

Instead, the network date and time zone will be used. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with or Null if the caller is not a device admin.

If user restriction UserManager#DISALLOW CONFIG DATE TIME is used, no user will be able set the date and time zone.

the device. Profile owner can use this API to enable or disable the profile's backup service. However, for a managed profile its backup service. By default, backup service is disabled on a device owner and the profile owner have enabled the backup service is disabled on a device owner, and within a managed profile. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. enabled boolean: true to enable the backup service, false to disable it. Throws SecurityException if admin is not a device owner or a profile owner of a managed profile to set whether bluetooth devices can access enterprise contacts. The calling device admin must be a profile owner. If it is not, a security exception will be thrown. This API works on managed profile only. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. disabled boolean: If true, bluetooth devices cannot access Throws SecurityException if admin is not a profile owner. public void setCameraDisabled (ComponentName admin, boolean disabled) Called by an application that is administering the device to disable all cameras on the device. This

method can be called on the DevicePolicyManager instance, returned by getParentProfile owner of an organization-owned managed profile. If the caller is device owner, then the restriction will be applied to all users. If called on the parent instance, then the restriction will be applied on the personal profile. The calling device admin must have requested DeviceAdminInfo#USES POLICY DISABLE CAMERA to be able to call this method; if it has not, a security exception will be thrown. Note, this policy type is deprecated for legacy device admins since Build.VERSION CODES.Q. On Android Build.VERSION CODES.Q devices, legacy device admins targeting SDK version Build.VERSION_CODES.P or below can still call this API to disable camera, while legacy device admins targeting SDK version Build.VERSION_CODES.R, requests to disable camera from legacy device admins targeting SDK version Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. Starting from Build. VERSION CODES. Por below will be silently ignored. P policy was successfully set or not. This callback will contain: If there has been a change to the policy UpdateReceiver#onPolicyChanged(Context, String, Bundle, TargetUser, PolicyUpdateReceiver#onPolicySetResult and the PolicyUpdateResult will contain the reason why the policy changed. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with or null if the caller is not a device admin disabled boolean: Whether or not the camera should be disabled. Added in API level 23 Deprecated in API level 26 public void setCertInstallerPackage (ComponentName admin, String installerPackage) This method was deprecated in API level 26. From Build.VERSION CODES.O. Use setDelegatedScopes(ComponentName, String, List) with the DELEGATION CERT INSTALL scope instead. manipulation APIs to a third-party certificate installed (ComponentName, byte), uninstalled (ComponentName, byte), uninst String).

Delegated certificate installer is a per-user state. The delegated access is persistent until it is later cleared by calling this method with a null value or uninstallling the certificate installer. Note: Starting from Build. VERSION CODES.N, if the caller application's target SDK version is Build. VERSION CODES.N, if the caller application will be thrown. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. installer which will be cleared. Throws Security Exception if admin is not a device or a profile owner. public void setCommonCriteria Mode Enabled (Component Name admin, boolean enabled) Called by device owner or profile owner of an organization-owned managed profile to toggle Common Criteria mode, certain device functionalities are tuned to meet the higher security level required by Common Criteria certification. For example: Bluetooth long term key material is additionally integrity-protected with AES-GCM. WiFi configurations will be lost. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin This value may be null, enabled boolean: whether Common Criteria mode should be enabled or not.

public void setConfiguredNetworksLockdown State (ComponentName admin, boolean lockdown) Called by a device owner or a profile to control whether the user can change networks configured by the admin. When this lockdown is enabled, the user can still configure and connect to other Wi-Fi networks. or use other Wi-Fi capabilities such as tethering. WiFi network configuration lockdown is controlled by a global settings. Previously device owners can also control this directly via setGlobalSetting(ComponentName, String, String) but they are recommended to switch to this API. Parameters admin ComponentName: admin Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null.

packageNames) This method was deprecated in API level 34. Use setCrossProfile Called by a profile owner of a managed profile. Calling with a null value for the set disables the restriction so that all packages are allowed to access

lockdown boolean: Whether the admin configured networks should be unmodifiable by the user. Throws SecurityException if caller is not a device owner or a profile owner of an organization-owned managed profile. Added in API level 29 Deprecated in API level 34 public void setCrossProfileCalendarPackages (ComponentName admin, Set

cross-profile calendar APIs. Calling with an empty set disallows all packages from accessing cross-profile calendar APIs by default. Parameters admin ComponentName: which DeviceAdminReceiver this request is associated with This value cannot be null. packageNames Set: set of packages to be allowlisted This value may be null. Throws SecurityException if admin is not a profile owner See also: getCrossProfileCallerIdDisabled (ComponentName admin, boolean disabled) This method was deprecated in API level 34. starting with Build. VERSION CODES. UPSIDE DOWN CAKE, use setManaged profile to set whether caller Id information from the managed profile will be shown in the parent profile, for incoming calls. The calling device admin must be a profile owner. If it is not, a security exception will be thrown. Starting with Build.VERSION CODES.UPSIDE DOWN CAKE, calling this function is similar to calling setManagedProfileCallerIdAccessPolicy(android.app.admin.PackagePolicy#PACKAGE POLICY BLOCKLIST policy type when disabled is false or a Package Policy #PACKAGE POLICY ALLOWLIST policy type when disabled is true. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. disabled boolean: If true caller-Id information in the managed profile is not displayed. Throws SecurityException if admin is not a profile owner. public void setCrossProfilePackages (ComponentName admin, Set packageNames) Sets the set of admin-allowlisted package names that the caller is a profile owner and is the given admin. Previous calls are overridden by each subsequent call to this method. Note that other apps may be able to request user consent for cross-profile communication if they have been explicitly allowlisted by the OEM. When previously-set cross-profile packages are missing from packageNames, the app-op for INTERACT ACROSS PROFILES will be reset for those packages. This will not occur for packages that are allowlisted by the OEM. Parameters admin ComponentName: the DeviceAdminReceiver this request is associated with This value cannot be null. public void setDefaultDialerApplication (String packageName) Must be called by a device owner or a profile owner of an organization-owned managed profile to set the default dialer application for the calling user. When the profile owner of an organization-owned managed profile to set the default dialer application for the calling user. setManagedSubscriptionsPolicy(ManagedSubscriptionsPolicy(ManagedSubscriptionsPolicy), If the device does not support telephony (PackageManager#FEATURE TELEPHONY), calling this method will do nothing. Parameters packageManager#FEATURE TELEPHONY), calling this method will do nothing. Parameters package to set as the default dialer application. This value cannot be null. Throws SecurityException if admin is not a device or profile owner or a profile owner or a profile owner of an organization-owned managed profile. IllegalArgumentException if the package cannot be set as the default dialer, for example if the package is not installed or does not expose the expected activities or services that a dialer app is required to have. public void setDefaultSmsApplication (ComponentName admin, String packageName) Must be called by a device owner or a profile owner of an organization-owned managed profile to set the default SMS application. This method can be called on the DevicePolicyManager instance, returned by getParentProfileInstance(android.content.ComponentName), where the caller must be the profile owner of an organization-owned managed profile and the package must be a pre-installed system package. If called on the parent instance, then the default SMS application is set on the personal profile can also call this method directly (not on the parent profile instance) to set the default SMS application in the work profile. This is only meaningful when work profile telephony is enabled by setManagedSubscriptionsPolicy). Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null, package to set as the default SMS application. This value cannot be null, public void setDelegatedScopes (ComponentName admin, String delegatedScopes) Called by a profile owner or device owner to grant access to privileged APIs to another app. Granted APIs are determined by scopes, which is a list of the DELEGATION * constants. A broadcast with the ACTION APPLICATION DELEGATION SCOPES key. The broadcast is sent with the Intent#FLAG RECEIVER REGISTERED ONLY flag. Delegated scopes are a per-user state. The delegated access is persistent until it is later cleared by calling this method with an empty scopes list or uninstalling the delegatePackage. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. delegatePackage String: The package name of the app which will be given access. This value cannot be null. scopes List: The groups of privileged APIs whose access should be granted to delegatedPackage. This value cannot be null. Throws SecurityException if admin is not a device or a profile owner information to be shown on the lock screen. Device owner information set using this method overrides any owner information manually set by

the user and prevents the user from further changing it. If the device owner information is null or empty then the device owner info is cleared and the user will be blank and the user will not be allowed to change it. If the device owner information needs to be localized, it is the responsibility of the DeviceAdminReceiver to listen to the Intent#ACTION LOCALE CHANGED broadcast and set a new version of this string accordingly. May be called by the device owner or the profile owner of an organization-owned device. Parameters admin ComponentName: The name of the admin component to check. This value cannot be null. info CharSequence: Device owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner information which will be displayed instead of the user owner. endUserSessionMessage) Called by a device owner to specify the user session end message should be limited to a short statement or it may be truncated. If the message needs to be localized, it is the responsibility of the DeviceAdminReceiver to listen to the Intent#ACTION LOCALE CHANGED broadcast and set a new version of this message accordingly. Parameters admin ComponentName: which DeviceAdminReceiver this request is associated with. This value cannot be null. endUserSessionMessage CharSequence: message for ending user session, or null to use system default message. Throws SecurityException if admin is not a device owner or profile owner of

an organization-owned device, to set a factory reset protection (FRP) policy. When a new policy is set, the system notifies the FRP management agent of a policy change by broadcasting ACTION RESET PROTECTION POLICY CHANGED. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin This value may be null. policy. FactoryResetProtectionPolicy: the new FRP policy, or null to clear the current policy. public int setGlobalPrivateDnsModeOpportunistic. May only be called by the device owner. In this mode, the DNS subsystem will attempt a TLS handshake to the network-supplied resolver prior to attempting name resolution in cleartext. Note: The device owner won't be able to set the global private DNS mode if there are unaffiliated secondary users or profiles on the device. It's recommended that affiliation ids are set for new users as soon as possible after provisioning via setAffiliationIds(ComponentName, Set). Parameters admin ComponentName admin, String privateDnsHost) Sets the global Private DNS host to be used. May only be called by the device owner. Note that the method is blocking as it will perform a connectivity check to the resolver, to ensure it is valid. Because of that, the method should not be called on any thread that relates to user interaction, such as the UI thread. In case a VPN is used in conjunction with Private DNS resolver, the Private DNS resolver may not go through the VPN. Note: The device owner won't be able to set the global private DNS mode if there are unaffiliated secondary users or profiles on the device. It's recommended that affiliation ids are set for new users as soon as possible after provisioning via setAffiliation Ids (ComponentName, Set). This method may take several secondary users or profiles on the device. It's recommended that affiliation Ids (ComponentName, Set).

DeviceAdminReceiver this request is associated with. This value cannot be null. privateDnsHost String: The hostname of a server that implements DNS over TLS (RFC7858). This value cannot be null. privateDnsHost String setting. String setting that still have an effect have dedicated setter methods or user restrictions. See individual settings for details. Called by device owner to update Settings. Validation that the value of the setting is in the correct form for the settings used to be supported, but can be controlled in other ways: Changing the following settings has no effect as of Build.VERSION CODES.M: Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. setting to update the setting to update the setting to update the setting to update the setting to update.

setKeyPairCertificate (ComponentName admin, String alias, List certs, boolean isUserSelectable) This API can be called by the following to associate certificates with a key pair that was generated using generateKeyPair(ComponentName, String, KeyGenParameterSpec, int), and set whether the key is available for the user to choose in the certificate selection prompt: Device owner Profile owner

device. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with, or null if the caller is not a device admin. alias String: The private key alias under which to install the certificate with that alias already exists, it will be overwritten. This value cannot be null. certs List: The certificate chain to install. The chain should start with the leaf certificate and include the chain of trust in order. This will be returned by KeyChain.getCertificate chain to install. The chain should start with the leaf certificate and include the chain of trust in order. This will be returned by KeyChain.getCertificate chain (Context, String). This value cannot be null. is UserSelectable boolean: true to indicate that a user can select this key via the certificate selection prompt, false to indicate that this key can only be granted access by implementing DeviceAdminReceiver.onChoosePrivateKeyAlias(Context, Intent, int, Uri, String). Returns boolean true if the provided alias exists and the certificates has been successfully associated with it, false otherwise. Throws SecurityException if admin is not null and not a device or profile owner, or admin is null but the calling application is not a delegated certificate installer or credential management app. public boolean setKeyguardDisabled (ComponentName admin, boolean disabled) Called by a device owner or profile owner of secondary users that is affiliated with the device to disable the keyguard altogether. Setting the keyguard to disabled has the same effect as choosing "None" as the screen lock type. However, this call has no effect if a password, pin or pattern is set after the keyguard stops being disabled. As of Build VERSION CODES.P, this call also dismisses the keyguard if it is currently shown. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. disabled boolean: true disables the keyquard, false reenables it. Returns boolean false if attempting to disable the keyquard while a lock password was in place, true otherwise. Throws SecurityException if admin is not the device owner, or a profile owner of secondary user that is affiliated with the device. See also: isAffiliatedUser()getSecondaryUsers(ComponentName) public void setKeyguardDisabledFeatures (ComponentName) admin, int which) Called by an application that is administering the device to disable keyguard customizations, such as widgets. After setting this, keyguard features will be disabled according to the provided feature list. A calling device admin must have requested DeviceAdminInfo#USES_POLICY_DISABLE_KEYGUARD_FEATURES to be able to call this method; if it has not, a security exception will be thrown. Calling this from a managed profile before version Build.VERSION CODES.M will throw a security exception. From version Build.VERSION CODES.R the profile owner of an organization-owned managed profile can set: KEYGUARD DISABLE TRUST AGENTS, KEYGUARD DISABLE FINGERPRINT, KEYGUARD DISABLE FACE, KEYGUARD DISABLE SECURE NOTIFICATIONS can also be set on the DevicePolicyManager instance returned by getParentProfileInstance(android.content.ComponentName) in order to set restrictions on the parent profile. KEYGUARD DISABLE SECURE CAMERA can only be set on the parent profile instance if the calling device admin is the profile owner of an organization-owned managed profile. Requests to disable other features on a managed profile will be ignored. The admin can check which features have been disabled by calling getKeyguardDisabledFeatures(android.content.ComponentName) Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. which int: The disabled features flag which can be either KEYGUARD DISABLE FEATURES NONE (default), KEYGUARD DISABLE FEATURES ALL, or a combination of KEYGUARD DISABLE FEATURES ALL, or a combination of KEYGUARD DISABLE TRUST AGENTS, KEYGUARD DISABLE UNREDACTED NOTIFICATIONS, KEYGUARD DISABLE FACE, KEYGUARD DISABLE FACE, KEYGUARD DISABLE FACE, KEYGUARD DISABLE IRIS, KEYGUARD DISABLE IRIS, KEYGUARD DISABLE IRIS, KEYGUARD DISABLE FACE, KE Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with This value cannot be null. locationEnabled boolean: whether location should be enabled or disabled. Note: on automotive builds, calls to disable will be ignored. Throws SecurityException if admin is not a device owner. public void setLockTaskFeatures (ComponentName admin, int flags) Sets which system features are enabled when the device runs in lock task mode. This method doesn't affect the features when lock task mode is inactive. Any system features not included in flags are implicitly disabled when calling this method. By default, only LOCK TASK FEATURE GLOBAL ACTIONS is enabled; all the other features are disabled when calling this method can only be called by the device owner, a profile owner of an affiliated user or profile, or the profile owner when no device owner is set or holders of the permission.MANAGE DEVICE POLICY LOCK TASK. See is Affiliated User(). Any features set using this method are cleared if the user becomes unaffiliated. Starting from Build.VERSION_CODES#UPSIDE_DOWN_CAKE after the lock task features policy has been set, PolicyUpdateReceiver#onPolicySetResult(Context, String, Bundle, TargetUser, PolicyUpdateReceiver#onPolicyChanged(Context, String, Bundle, Bu Bundle, TargetUser, PolicyUpdateReceiver#onPolicySetResult and the Polic packages are bundled as one policy. A failure to apply one will result in a failure to apply the other. See also: public void setLockTaskPackages (ComponentName admin, String[] packages may enter lock task mode. Any packages that share uid with an allowed package will also be allowed to activate lock task. From Build.VERSION CODES.M removing packages from the lock task package list results in locked tasks belonging to those packages to be finished. This function can only be called by the device owner is set or holders of the permission Manifest.permission.MANAGE DEVICE POLICY LOCK TASK. See is Affiliated User(). Any package set via this method will be cleared if the user becomes unaffiliated. Starting from Build.VERSION CODES#UPSIDE DOWN CAKE, after the lock task policy has been set, PolicyUpdateReceiver#onPolicySetResult(Context, String, Bundle, TargetUser, PolicyUpdateResult) will notify the admin on whether the policy was successfully set or not. This callback will contain: If there has been a change to the policyUpdateResult) will notify the admin of this change. This callback will contain the same parameters as Policy Update Receiver #on Policy Update Receiver #on Policy Set Result and the Policy Update Result an Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value cannot be null. public void setLogoutEnabled (ComponentName admin, boolean enabled) Called by a device owner to specify whether logout is enabled for all secondary users. The system may show a logout button that stops the user and switches back to the primary user. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. enabled boolean: whether logout should be enabled or not. Throws SecurityException if admin is not a device owner, public void setLongSupportMessage (ComponentName admin, CharSequence message) Called by a device administrators settings screen. If the message is longer than 20000 characters it may be truncated. If the long support message needs to be localized, it is the responsibility of the DeviceAdminReceiver to listen to the Intent#ACTION LOCALE CHANGED broadcast and set a new version of this string accordingly. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. message CharSequence: Long message to be displayed to the user in settings or null to clear the existing message. Throws SecurityException if admin is not an active administrator. See also: setShortSupportMessage(ComponentName, CharSequence) public void setManagedProfile by a profile by a profile based on caller id information. For example, the policy determines if a dialer app in the parent profile resolving an incoming call can search the caller id data, such as phone number, of managed contacts and return managed contacts that match. The calling device admin must be a profile owner of a managed profile. If it is not, a SecurityException will be thrown. A PackagePolicy#PACKAGE_POLICY_ALLOWLIST_AND_SYSTEM policy type allows access from the OEM default packages public void setManagedProfileContactsAccessPolicy (PackagePolicy policy) Called by a profile contacts from the parent user. For example, the system will enforce the provided policy and determine if contacts in the managed profile are shown when queried by an The calling device admin must be a profile owner of a managed profile. If it is not, a SecurityException will be thrown. A PackagePolicy#PACKAGE_POLICY_ALLOWLIST_AND_SYSTEM policy type allows access from the OEM default packages for the Sms, Dialer and Contact roles, in addition to the packages specified in PackagePolicy#getPackageNames() Parameters policy a profile do null will allow all packages public void setManagedProfileMaximumTimeOff (ComponentName admin, long timeoutMillis) Called by a profile owner of an organization-owned managed profile to set maximum time the profile is allowed to be turned off. If the profile is turned off for longer, personal apps are suspended on the device. When personal apps are suspended, an ongoing notification, system invokes ACTION CHECK POLICY COMPLIANCE in the profile owner jackage. Profile owner implementation that uses

personal apps suspension must handle this intent. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with This value cannot be null. timeoutMillis long: Maximum time the profile is allowed to be off in milliseconds or 0 if not limited. The minimum non-zero value corresponds to 72 hours. If an admin sets a See also: setPersonalAppsSuspended(ComponentName, boolean on) Called by profile or device owners to set the global volume mute on or off. This has no effect when set on a managed profile. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. on boolean: true to mute global volume, false to turn mute off. Throws SecurityException if admin is not a device or profile owner, public void setMaximumFailedPasswordsForWipe (ComponentName admin, int num) Setting this to a value greater than zero enables a policy that will perform a device or profile

wipe after too many incorrect device-unlock passwords have been entered. This policy combines watching for failed passwords and wiping the device, and requires that calling Device AdminInfo#USES POLICY WIPE DATA}. When this policy is set on the system or the main user, the device will be factory reset after too many incorrect password attempts. When set on any other user, only the corresponding user or profile will be wiped. To implement any other policy (e.g. wiping data for a particular application only, erasing or revoking credentials, or reporting the failure to a server), you should implement DeviceAdminReceiver#onPasswordFailed(Context, android.content.Intent) instead. Do not use this API, because if the maximum count is reached, the device or profile will be wiped immediately, and your callback will not be invoked. This method can be called on the DevicePolicyManager instance returned by getParentProfileInstance(android.content.ComponentName) in order to set a value on the parent profile. On devices not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature, the password is always empty and this method has no effect - i.e. the policy is not set. Requires the PackageManager#FEATURE SECURE LOCK SCREEN feature, the password is always empty and this method has no effect - i.e. the policy is not set. Requires the PackageManager#FEATURE SECURE LOCK SCREEN feature, the password is always empty and this method has no effect - i.e. the policy is not set. feature which can be detected using PackageManager.hasSystemFeature(String). Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null. num int: The number of failed password attempts at which point the device or profile will be wiped. public List setMeteredDataDisabledPackages (ComponentName admin, List packageNames) Called by a device or profile owner to restrict package from using metered data. Parameters admin ComponentName: which DeviceAdminReceiver this request is associated with. This value cannot be null. packageNames List: the list of package names to be restricted. This value cannot be null. Returns List a list of package names which could not be restricted. This value cannot be null. Throws SecurityException if admin is not a device or profile owner, profile owner of an organization-owned device, to set the Memory Tagging Extension (MTE) policy. MTE is a CPU extension that allows to protect against certain classes of security problems at a small runtime performance cost overhead. The MTE policy can only be set to MTE DISABLED if called by a device owner. Otherwise a SecurityException will be thrown. The device needs to be rebooted to apply changes to the MTE policy. public void setNetworkLoggingEnabled (ComponentName admin, boolean enabled) Called by a device owner, profile owner of a managed profile or delegated app with DELEGATION NETWORK LOGGING to control the network logging feature. Supported for a device owner from Android 8 and a delegated app granted by a device owner from Android 10. Supported for a profile owner of a managed profile and a delegated app granted by a profile owner from Android 12. When network logs will only include work profile network logs contain DNS lookup and connect() library call events. The following library functions are recorded while network logging is a low-overhead tool for forensics but it is not guaranteed to use full system call logging; event reporting is enabled by default for all processes but not strongly enforced. Events from applications using alternative implementations of libc, making direct kernel calls, or deliberately obfuscating traffic may not be recorded. Some common network events may not be recorded. For example: Applications may hardcode IP addresses to reduce the number of DNS lookups, or use an alternative system for name resolution, and so avoid calling getaddrinfo() or gethostbyname. Applications may use datagram sockets for performance reasons, for example for a game client. Calling connect() is unnecessary for this kind of socket, so it will not trigger a network event. It is possible to directly intercept layer 3 traffic leaving the device using an always-on VPN service. See setAlwaysOnVpnPackage(android.content.ComponentName, java.lang.String, boolean) and VpnService for details. Note: The device owner won't be able to retrieve network logs if there are unaffiliated secondary users or profiles on the device, regardless of whether the feature is enabled. Logs will be discarded if the internal buffer fills up while waiting for all users to become affiliated. Therefore it's recommended that affiliation ids are set for new users as soon as possible after provisioning via setAffiliationIds(ComponentName, Set). Parameters admin ComponentName, Set). Parameters admin ComponentName with a filiation ids are set for new users as soon as possible after provisioning via setAffiliationIds(ComponentName, Set). whether network logging should be enabled or not. Throws SecurityException if admin is not a device owner or profile owner. Added in API level 31 public void setOrganization Color (ComponentName admin, int color) This method was deprecated in API level 31. From Build.VERSION CODES.R, the organization color is never used as the background color of the confirm credentials screen. Called by a profile to set the color used for customization. This color is teal (#00796B). The confirm credentials screen can be created using KeyguardManager.createConfirmDeviceCredentialIntent(CharSequence). Starting from Android R, the organization color will no longer be used as the background color of the confirm Credentials screen. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. color int: The 24bit (0xRRGGBB) representation of the color to be used. Throws SecurityException if admin is not a profile owner. public void setOrganizationId (String enterpriseId) Sets the Enterprise ID for the work profile or managed device. This is a requirement for generating an enrollment-specific ID for the device, see getEnrollment-specificId(). It is recommended that the Enterprise ID is at least 6 characters long, and no more than 64 characters. Parameters enterprise ID is at least 6 characters long, and no more than 64 characters. public void setOrganizationName (ComponentName admin, CharSequence title) Called by the device owner (since API 24) to set the name of the organization name needs to be localized, it is the responsibility of the caller to listen to the Intent#ACTION LOCALE CHANGED

(ComponentName admin, boolean enabled) Called by device owner to set if override APNs are ignored. Note: Enterprise APNs added by managed profile owners do not need to be enabled by this API. They are part of the preferential network service config and is controlled by setPreferential network service configs (List). Parameters admin ComponentName: which DeviceAdminReceiver this request is associated with This value cannot be null. enabled boolean: true if override APNs should be enabled, false otherwise Throws SecurityException if admin is not a device owner, profile owner, profile owner, profile owner, profile owner, or by a delegate given the DELEGATION PACKAGE ACCESS scope via setDelegatedScopes(ComponentName, String, List). A suspended package will not be able to show up in recents, will not be able to start activities. Its notifications will be hidden, it will not show up in recents, will not be able to show toasts or dialogs or ring the device. The package must already be installed. If the package is uninstalled while suspended the package will no longer be suspended. The admin can block this by using setUninstallBlocked(ComponentName, String, boolean). Some apps cannot be suspended, such as device admins, the active launcher, the required package uninstaller, the required package verifier, the default dialer, and the permission controller. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value cannot be null. suspended boolean: If set to true than the packages will be suspended, if set to false the packages will be unsuspended. Returns String[] an array of package names for which the suspended status is not set as requested in this method. This value cannot be null. Throws SecurityException if admin is not a device or profile owner, public void setPasswordExpirationTimeout (ComponentName admin, long timeout) Called by a device admin to set the password expiration timeout. Calling this method will restart the countdown for password expiration for the given admin, as will changing the device password expiration for the given admin, as will changing the device password expiration for the given admin, as will be added to the current time. For example, to have the password expiration for the given admin, as will changing the device password expiration for the given admin, as will change the device password expiration for the given admin, as will change the device password expiration for the given admin, as will change the device password expiration for the given admin, as will change the device password expiration for the given admin, as will change the device password expiration for the given admin, as will change the device password expiration for the given admin, as will change the device password expiration for the given admin, as will change the device password expiration for the given admin adm 86400 * 1000 = 4320000000 ms for timeout. To disable password expiration, a value of 0 may be used for timeout. On devices not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature, the password expiration is always disabled. A calling device admin must have requested DeviceAdminInfo#USES POLICY EXPIRE PASSWORD to

Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device or profile owner. public void setOverrideApnsEnabled

broadcast and set a new version of this string accordingly.

be able to call this method; if it has not, a security exception will be thrown. Note that setting the password will automatically reset the expiration time for all active admins. Active admins do not need to explicitly call this method in that case. This method can be called on the DevicePolicyManager instance returned by getParentProfileInstance(android.content.ComponentName) in order to set restrictions on the parent profile. Requires the PackageManager.hasSystemFeature(String). Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin This value may be null. timeout long: The limit (in ms) that a password can remain in effect. A value of 0 means there is no restriction (unlimited). public void setPasswordHistoryLength (ComponentName admin, int length) Called by an application that is administering the device to set the length of the password history. After setting this, the user will not be able to enter a new password that is the same as any password in the history. PackageManager#FEATURE SECURE LOCK SCREEN feature, the password history length is always 0. The calling device admin must have requested DeviceAdminInfo#USES_POLICY_LIMIT_PASSWORD to be able to call this method; if it has not, a security exception will be thrown. This method can be called on the DevicePolicyManager instance Requires the PackageManager#FEATURE SECURE LOCK SCREEN feature which can be detected using PackageManager.hasSystemFeature(String). Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. length int: The new desired length of password history. A value of 0 means the packageManager.hasSystemFeature(String).

there is no restriction. Added in API level 8 Deprecated in API level 31 public void setPasswordMinimumLength (ComponentName admin, int length) This method was deprecated in API level 31. see setPasswordQuality(android.content.ComponentName, int) for details. Called by an application that is administering the device to set the minimum allowed password length. After setting this, the user will not be able to enter a new password that is not at least as restrictive as what has been set. Note that the current password will remain until the user has set a new one, so the change does not take place immediately. To prompt the user for a new password, use ACTION_SET_NEW_PASSWORD or ACTION_SET_NEW_PASSWORD after setting this value. This constraint is only imposed if the administrator has also requested either PASSWORD_QUALITY_NUMERIC_, PASSWORD_QUALITY_NUMERIC_COMPLEX, PASSWORD QUALITY ALPHABETIC, PASSWORD QUALITY ALPHANUMERIC, or PASSWORD QUALITY COMPLEX with setPasswordQuality(ComponentName, int). If an app targeting SDK level Build. VERSION CODES. R and above enforces this constraint without settings password quality to one of these values first, this method will throw IllegalStateException. On devices not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature, the password is always treated as empty. The calling device admin must have requested DeviceAdminInfo#USES POLICY LIMIT PASSWORD to be able to call this method; if it has not, a security exception will be thrown. Apps targeting Build. VERSION CODES.R and below can call this method on the DevicePolicyManager instance (android.content.ComponentName) in order to set restrictions on the parent profile. Note: this method is ignored on {PackageManager#FEATURE AUTOMOTIVE automotive builds}. Parameters admin

ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. length int: The new desired minimum password length. A value of 0 means there is no restriction. Added in API level 11 Deprecated in API level 31 public void setPasswordMinimumLetters (ComponentName admin, int length) This method was deprecated in API level 31. see setPasswordQuality(android.content.ComponentName, int) for details. Called by an application that is administering the device to set the minimum number of letters required in the password. After setting this, the user will not be able to enter a new password that is not at least as restrictive as what has been set. Note that the current password will remain until the user has set a new one, so the change does not take place immediately. To prompt the user for a new password, use ACTION SET NEW PASSWORD or ACTION SET NEW PARENT PROFILE PASSWORD after setting this value. This constraint is only imposed if the administrator has also requested PASSWORD_QUALITY_COMPLEX with setPasswordQuality(ComponentName, int). If an app targeting SDK level Build.VERSION_CODES.R and above enforces this constraint without settings password quality to PASSWORD QUALITY COMPLEX first, this method will throw IllegalStateException. The default value is 1. On devices not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature, the password is always treated as empty. The calling device admin must have requested DeviceAdminInfo#USES POLICY LIMIT PASSWORD to be able to call this method; if it has not, a security exception will be thrown. Apps targeting Build. VERSION CODES.R and below can call this method on the DevicePolicyManager instance returned by getParentProfileInstance(android.content.ComponentName) in order to set restrictions on the parent profile. Note: this method is ignored on Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value of 0 means there is no restriction. Added in API level 11 Deprecated in API level 31 public void setPasswordMinimumLowerCase

(ComponentName admin, int length) This method was deprecated in API level 31. see setPasswordQuality(android.content.ComponentName, int) for details. Called by an application that is administering the device to set the minimum number of lower case letters required in the password. After setting this, the user will not be able to enter a new password that is not at least as restrictive as what has been set. Note that the current password will remain until the user for a new password, use ACTION SET NEW PARENT PROFILE PASSWORD after setting this value. This

constraint is only imposed if the administrator has also requested PASSWORD_QUALITY_COMPLEX with setPasswordQuality(ComponentName, int). If an app targeting SDK level Build.VERSION_CODES.R and above enforces this constraint without settings password quality to PASSWORD_QUALITY_COMPLEX first, this method will throw IllegalStateException. The default value is 0. On devices not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature, the password is always treated as empty. The calling device admin must have requested DeviceAdminInfo#USES POLICY LIMIT PASSWORD to be able to call this method; if it has not, a security exception will be thrown. Apps targeting Build.VERSION_CODES.R and below can call this method on the DevicePolicyManager instance (android.content.ComponentName) in order to set restrictions on the parent profile. Note: this method is ignored on {PackageManager#FEATURE_AUTOMOTIVE automotive builds} Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. length int: The new desired minimum number of lower case letters required in the password. A value of 0 means there is no restriction. Added in API level 11 Deprecated in API level 31 public void setPasswordMinimumNonLetter (ComponentName, int) for details. Called by an application that is administering the device to set the minimum number of non-letter characters (numerical digits or symbols) required in the password. After setting this, the user will not be able to enter a new password that is not at least as restrictive as what has been set. Note that the current password will remain until the user for a new password, use ACTION SET NEW PASSWORD or ACTION SET NEW PARENT PROFILE PASSWORD after setting this value. This constraint is only imposed if the administrator has also requested PASSWORD QUALITY COMPLEX with setPasswordQuality(ComponentName, int). If an app targeting SDK level Build.VERSION CODES.R and above enforces this constraint without settings password quality to PASSWORD_QUALITY_COMPLEX first, this method will throw IllegalStateException. The default value is 0. On devices not supporting PackageManager#FEATURE_SECURE_LOCK_SCREEN feature, the password is always treated as empty. The calling device admin must have requested DeviceAdminInfo#USES_POLICY_LIMIT_PASSWORD to be able to call this method; if it has not, a security exception will be thrown. Apps targeting Build. VERSION CODES.R and below can call this method on the DevicePolicyManager instance returned by getParentProfileInstance(android.content.ComponentName) in order to set restrictions on the parent profile. Note: this method is ignored on {PackageManager#FEATURE AUTOMOTIVE automotive builds}. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. length int: The new desired minimum number of letters required in the password. A value of 0 means there is no restriction. Added in API level 31 public void setPasswordMinimumNumeric (ComponentName admin, int length) This method was deprecated in API level 31. see setPasswordMinimumNumeric (ComponentName, int) for details. Called by an application that is administering the device to set the minimum number of numerical digits required in the password. After setting this, the user will not be able to enter a new password will remain until the user has set a new one, so the change does not take place immediately. To prompt the user for a new password, use ACTION_SET_NEW_PASSWORD or ACTION_SET_NEW_PARENT_PROFILE_PASSWORD after setting this value. This constraint is only imposed if the administrator has also requested PASSWORD QUALITY_COMPLEX with setPasswordQuality(ComponentName, int). If an app targeting SDK level Build.VERSION_CODES.R and above enforces this constraint without settings password quality to PASSWORD_QUALITY_COMPLEX first, this method will throw IllegalStateException. The default value is 1. On devices not supporting PackageManager#FEATURE_SECURE_LOCK_SCREEN feature, the password is always treated as empty. The calling device admin must have requested

there is no restriction. Added in API level 31 public void setPasswordMinimumSymbols (ComponentName admin, int length) This method was deprecated in API level 31. see setPasswordMinimumSymbols (ComponentName, int) for details. Called by an application that is administering the device to set the minimum number of symbols required in the password. After setting this, the user will not be able to enter a new password that is not at least as restrictive as what has been set. Note that the current password will remain until the user for a new password, use ACTION SET NEW PASSWORD or ACTION_SET_NEW_PARENT_PROFILE_PASSWORD after setting this value. This constraint is only imposed if the administrator has also requested PASSWORD_QUALITY_COMPLEX with setPasswordQuality(ComponentName, int). If an app targeting SDK level Build.VERSION_CODES.R and above enforces this constraint without settings password quality to PASSWORD QUALITY COMPLEX first, this method will throw IllegalStateException. The default value is 1. On devices not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature, the password is always treated as empty. The calling device admin must have requested DeviceAdminInfo#USES_POLICY_LIMIT_PASSWORD to be able to call this method; if it has not, a security exception will be thrown. Apps targeting Build.VERSION_CODES.R and below can call this method on the DevicePolicyManager instance (android.content.ComponentName) in order to set restrictions on the parent profile. Note: this method is ignored on {PackageManager#FEATURE AUTOMOTIVE automotive builds}. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value of 0 means there is no restriction. Added in API level 31 public void setPasswordMinimumUpperCase (ComponentName admin

DeviceAdminInfo#USES POLICY LIMIT PASSWORD to be able to call this method; if it has not, a security exception will be thrown. Apps targeting Build.VERSION CODES.R and below can call this method; if it has not, a security exception will be thrown. parent profile. Note: this method is ignored on {PackageManager#FEATURE AUTOMOTIVE automotive builds}. Parameters admin ComponentName: Which DeviceAdminReceiver this required in the password. A value of 0 means

see setPasswordQuality(android.content.ComponentName, int) for details. Called by an application that is administering the device to set the minimum number of upper case letters required in the password. After setting this, the user will not be able to enter a new password that is not at least as restrictive as what has been set. Note that the current password will remain until the user has set a new one, so the change does not take place immediately. To prompt the user for a new password, use ACTION_SET_NEW_PASSWORD or ACTION_SET_NEW_PARENT_PROFILE_PASSWORD after setting this value. This constraint is only imposed if the administrator has also requested PASSWORD_QUALITY_COMPLEX with setPasswordQuality(ComponentName, int). If an app targeting SDK level Build.VERSION CODES.R and above enforces this constraint without settings password quality to PASSWORD QUALITY COMPLEX first, this method will throw IllegalStateException. The default value is 0. On devices not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature, the password is always treated as empty. The calling device admin must have requested DeviceAdminInfo#USES_POLICY_LIMIT_PASSWORD to be able to call this method; if it has not, a security exception will be thrown. Apps targeting Build.VERSION CODES.R and below can call this method on the DevicePolicyManager instance returned by Note: this method is ignored on {PackageManager#FEATURE_AUTOMOTIVE automotive builds}. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null.

length int: The new desired minimum number of upper case letters required in API level 31 public void setPasswordQuality (ComponentName admin, int quality) This method was deprecated in API level 31. Prefer using setRequiredPasswordComplexity(int), to require a password that satisfies a complexity level defined by the platform, rather than specifying custom password requirements. Setting custom password requirements leads to password requirements leads to password that are hard for users to remember and may not provide any security benefits given as Android uses hardware-backed throttling to thwart

online and offline brute-forcing of the device's screen lock. Company-owned devices (fully-managed and organization-owned managed profile devices) are able to continue using this method, though it is recommended that setRequiredPasswordComplexity(int) should be used instead. Called by an application that is administering the device to set the password restrictions it is imposing. After setting this, the user will not be able to enter a new password that is not at least as restrictive as what has been set. Note that the current password will remain until the user has set a new one, so the change does not take place immediately. To prompt the user for a new password, use ACTION SET NEW PASSWORD or ACTION SET NEW PARENT PROFILE PASSWORD after calling this method. Quality constants are ordered so that higher values are more restrictive; thus the highest requested quality constants are ordered so that higher values are more restrictive; thus the highest requested quality constants are ordered so that higher values are more restrictive; thus the highest requested quality constants are ordered so that higher values are more restrictive; thus the highest requested quality constants are ordered so that higher values are more restrictive; thus the highest requested quality constants are ordered so that higher values are more restrictive; thus the highest requested quality constants are ordered so that higher values are more restrictive; thus the highest requested quality constants are ordered so that higher values are more restrictive; thus the highest requested quality constants are ordered so that higher values are more restrictive; thus the highest requested quality constants are ordered so that higher values are more restrictive; thus the highest requested quality constants are ordered so that higher values are more restrictive; thus the highest requested quality constants are ordered so that higher values are more restrictive; thus the highest requested quality constants are not all the highest requested are not a not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature, the password is always treated as empty. The calling device admin must have requested DeviceAdminInfo#USES POLICY LIMIT PASSWORD to be able to call this method; if it has not, a security exception will be thrown. Apps targeting Build.VERSION CODES.R and below can call this method on the DevicePolicyManager instance returned by getParentProfileInstance(android.content.ComponentName) in order to set restrictions on the parent profile. Apps targeting Build.VERSION_CODES.S and above, with the exception of a profile owner on an organization-owned device (as can be identified by isOrganizationOwnedDeviceWithManagedProfile()), will get a IllegalArgumentException when calling this method on the parent DevicePolicyManager instance. Note: Specifying password requirements using this method clears the password complexity requirements set using setRequiredPasswordComplexity(int). If this method is called on the DevicePolicyManager instance (android.content.ComponentName), then password complexity (int) with {@link #PASSWORD COMPLEXITY NONE) first. Note: this method is ignored on {PackageManager#FEATURE_AUTOMOTIVE automotive builds}. public boolean setPermission, int grantState (ComponentName admin, String permission, int grantState) Sets the grant state of a runtime permission for a specific application. The state can be default in which a user can manage it through the UI, denied, in which the permission is denied and the user cannot manage it through the UI. This method can only be called by a profile owner, device owner, or a delegate given the DELEGATION PERMISSION GRANT scope via

setDelegatedScopes(ComponentName, String, List). Note that user cannot manage other permissions in the affected group through the UI either and their grant state of all the permissions in the affected group. Setting the grant state to default does not revoke the permission. It retains the previous grant, if any. Device admins with a targetSdkVersion < Build.VERSION_CODES.Q cannot grant and revoke permissions of all apps. Similar to the user revoking a permission from a application built with a targetSdkVersion < Build.VERSION CODES.M the app-op matching the permission is set to AppOpsManager.MODE IGNORED, but the permission stays granted. NOTE: On devices running Build. VERSION_CODES.S and above, control over the following, sensors-related, permission. ACCESS FINE LOCATION Manifest. permission. ACCESS BACKGROUND LOCATION Manifest. permission. ACCESS BACKGROUND LOCATION Manifest. permission. ACCESS BACKGROUND LOCATION Manifest. permission. ACCESS COARSE LOCATION Manifest. permission. ACCESS BACKGROUND LOCATION MA Manifest.permission.RECORD AUDIO Manifest.permission.RECORD BACKGROUND AUDIO Manifest.permission.BODY SENSORS A profile owner may not grant these permissions (i.e. call this method with any of the permissions listed above and grantState of #PERMISSION GRANT STATE GRANTED), but may deny them. A device owner, by default, may continue granting these permissions. However, for increased user control, the admin may opt out of controlling grants for these permissions by including EXTRA PROVISIONING SENSORS PERMISSION GRANT OPT OUT in the provisioning parameters. In that case the device owner's control will be limited do denying these permissions. NOTE: On devices running Build. VERSION CODES.S and above, control over the following permissions are restricted for managed profile owner may not grant these permissions (i.e. call this method with any of the permissions listed above and grantState of

Attempts by the admin to grant these permissions, when the admin is restricted from doing so, will be silently ignored (no exception will be thrown). Control over the following permissions are restricted for managed profile owners: Manifest.permission.READ_SMS A managed profile owner may not grant these permissions (i.e. call this method with

any of the permissions listed above and grantState of #PERMISSION GRANT_STATE_GRANTED), but may deny them. Returns boolean whether the permission was successfully granted or revoked. Throws SecurityException if admin is not a device or profile owner. public void setPermissionPolicy (ComponentName admin, int policy) Set the default response for future runtime permission requests by applications. This function can be called by a device owner, profile owner, or by a delegate given the DELEGATION PERMISSION GRANT scope via setDelegatedScopes(ComponentName, String, List). The policy can allow for normal operation which prompts the user to grant a permission, or can allow automatic granting or denying of runtime permission requests by an application. This also applies to new permission * grant state via setPermissionGrantState(ComponentName, String, int). As this policy only acts on runtime permission requests, it only applies to applications built with a targetSdkVersion of Build.VERSION CODES. and above, an auto-grant policy will not apply to certain sensors-related permissions on some configurations. See setPermissionGrantState(android.content.ComponentName, java.lang.String, java.lang.S public boolean setPermittedAccessibilityServices (ComponentName admin, List packageNames) Called by a profile owner to set the permitted AccessibilityService. When set by a device owner to set the permitted AccessibilityService. When set by a device owner to set the permitted AccessibilityService.

accessibility service. When zero or more packages have been added, accessibility services that are not in the list and not part of the system can not be enabled by the user. Calling with an empty list only allows the built-in system services. Any non-system accessibility service that's currently enabled must be included in the list. System accessibility services are always available to the user and this method can't disable them. Parameters admin ComponentName: Which D package names. Returns boolean true if the operation succeeded, or false if the list didn't contain every enabled non-system accessibility service. Throws SecurityException if admin is not a device or profile owner. public boolean setPermittedCrossProfile NotificationListeners (ComponentName admin, List packages that are allowed to use a NotificationListenerService in the primary user to see notifications from the managed profile. By default all packages are permitted by this policy. When zero or more packages have been added, notification listeners installed on the primary user that are not in the list disables the restriction so that all notification listener services be used. Calling with an empty list disables all but the system's own notification listeners. System notification listener services are always available to the user. If a device or profile owner want to stop notification listeners in their user from seeing that user's notification. ComponentName, java.lang.String, boolean)) Parameters admin ComponentName; Which DeviceAdminReceiver this request is associated

with. This value cannot be null, package names to allowlist This value may be null. Returns boolean true if setting the restriction succeeded. It will fail if called outside a managed profile Throws SecurityException if admin is not a profile owner. See also: NotificationListenerService public boolean setPermittedInputMethods (ComponentName admin, List packageNames) Called by a profile or device owner or holder of the Manifest.permission.MANAGE DEVICE POLICY INPUT METHODS permission to set the permitted input methods services for this user. By default, the user can use any input method. This method can be called on the DevicePolicyManager instance, returned by getParentProfileInstance (android.content.ComponentName), where the caller must be a profile owner of an organization-owned device. If called on the permitted input methods will be applied on the personal profile Can only permit all input methods (calling this method with a null package list) or only permit system input method with an empty package list). This is to prevent the caller from learning which packages are installed on the personal side When zero or more packages have been added, input method that are not in the list and not part of the system can not be enabled by the user. This method will fail if it is called for a admin that is not for the foreground user or a profile of the foreground user. Any non-system input methods can be used, calling with an empty list disables all but the system's own input methods. System input methods are always available to the user - this method can't modify this. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin This value may be null. packageNames List: List of input methods package names. Returns boolean true if the operation succeeded, or false if the list didn't contain every enabled non-system input method service. public void setPersonalAppsSuspended (ComponentName admin, boolean suspended) Called by a profile owner of an organization-owned managed profile to suspend personal apps on the device. When personal apps are suspended the device can only be used for calls. When personal apps are suspended, an ongoing notification about that is shown to the user.

boolean: Whether personal apps should be suspended, public void setPreferentialNetworkServiceConfigs (List preferentialNetworkServiceConfigs) Sets preferential network configurations. An example of a supported preferential network service is the Enterprise slice on 5G networks, the profile owner needs to additionally configure enterprise APN to set up data call for the preferential network service. These APNs can be added using addOverrideApn(ComponentName, ApnSetting). By default, preferential network service is disabled on the work profile and fully managed devices, on supported carriers and devices. Admins can explicitly enable it with this API. If admin wants to have multiple enterprise slices, it can be configured by passing list of PreferentialNetworkServiceConfig objects. Parameters preferentialNetworkServiceConfigs List: list of preferential network configurations. This value cannot be null. See also: PreferentialNetworkServiceConfig public void setPreferentialNetworkServiceEnabled (boolean enabled) Sets whether preferential network service is enabled. For example, an organization can have a deal/agreement with a carrier that all of the work data from its employees\u2019 devices will be sent via a network service dedicated for

When the user taps the notification, system invokes ACTION CHECK POLICY COMPLIANCE in the profile owner implementation that uses personal apps suspension must handle this intent. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with This value cannot be null. suspended

enterprise use. An example of a supported preferential network service is the Enterprise slice on 5G networks. For devices on 4G networks service. These APNs can be added using addOverrideApn(ComponentName, ApnSetting). By default, preferential network service is disabled on the work profile and fully managed devices, on supported carriers and devices. Admins can explicitly enable it with this API. This method enables preferential network service with a default configuration, use {@link #setPreferentialNetworkServiceConfigs} instead. Before Android version {@link android.os.Build.VERSION CODES#TIRAMISU}: this method can be called by the profile owner of a managed profile owner of a managed profile owner of a managed profile owner. Parameters enabled boolean: whether preferential network service should be enabled. Throws if the caller is not the profile owner or device owner case it sets the name of the user which it is called from. Only a profile owner or device owner can call this. If this is never called by the profile or device owner, the name will be set to default values. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associate with. This value cannot be null. profileName String: The name of the profile. If the name is longer than 200 characters it will be truncated. Throws Security Exception if admin is not a device or profile owner. See also: is Profile Owner App(String) is Device Owner App(String) public void set Recommended Global HTTP proxy. This is not normally what you want for typical HTTP proxies - they are generally network dependent. However if you're doing something unusual like general internal filtering this may be useful. On a private network where the proxy is not accessible, you may break HTTP using this. This method requires the device owner. This proxy is not accessible, you may break HTTP using this may be useful. On a private network where the proxy is not accessible, you may break HTTP using this. owner won't be able to set a global HTTP proxy if there are unaffiliated secondary users or profiles on the device. It's recommended that affiliation ids are set for new users as soon as possible after provisioning via setAffiliation. Ids (ComponentName, Set). Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. proxyInfo ProxyInfo ProxyInfo ProxyInfo object defining the new global HTTP proxy. A null value will clear the global HTTP proxy. Throws SecurityException if admin is not the device owner. public void setRequiredPasswordComplexity (int passwordComplexity) Sets a minimum password complexity requirement for the user's screen lock. The complexity level is one of the pre-defined levels, and the user is unable to set a password with a lower complexity level.

Note that when called on a profile which uses an unified challenge with its parent, the complexity would apply to the unified challenge. This method can be called on the DevicePolicyManager instance returned by getParentProfileInstance(android.content.ComponentName) in order to set restrictions on the parent profile. Note: Specifying password requirements using the obsolete setPasswordOuality(android.content.ComponentName, int) and any of its associated methods. Additionally, if there are password requirements set using the obsolete setPasswordOuality(android.content.ComponentName, int) on the parent DevicePolicyManager instance, they must be cleared by calling setPasswordQuality(android.content.ComponentName, int) with PASSWORD QUALITY UNSPECIFIED on that instance prior to setting complexity requirement for the managed profile. by a device/profile owner to set the timeout after which unlocking with secondary, non strong auth (e.g. fingerprint, face, trust agents) times out, i.e. the user has to use a strong auth each time it has Fingerprint can also be disabled altogether using KEYGUARD DISABLE FINGERPRINT. Trust agents can also be disabled altogether using KEYGUARD DISABLE TRUST AGENTS. A calling device admin can verify the value it has set by calling getRequiredStrongAuthTimeout(android.content.ComponentName) and passing in its instance. This

method can be called on the DevicePolicyManager instance returned by getParentProfile. On devices not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature, calling this methods has no effect - i.e. the timeout is not set.

Requires the PackageManager#FEATURE SECURE LOCK SCREEN feature which can be detected using PackageManager.hasSystemFeature(String). Parameters admin This value may be null. timeoutMs long: The new timeout in milliseconds, after which the user will have to unlock with strong authentication method. A value of 0 means the admin is not participating in controlling the timeout. The minimum and maximum timeouts are platform-defined and are typically 1 hour and 72 hours, respectively. Though discouraged, the admin may choose to require strong auth at all times using KEYGUARD DISABLE FINGERPRINT and/or KEYGUARD DISABLE TRUST AGENTS. Throws Security Exception if admin is not a device or profile owner, public boolean setResetPasswordToken (ComponentName admin, bytell token) Called by a profile owner to provision a token which can later be used to reset the device lockscreen password (if called by device owner), or managed profile challenge (if called by profile owner), via resetPasswordWithToken(ComponentName, String, byte, int). If the user currently has a lockscreen password, the provisioned token will not be immediately usable; it only becomes active after the user performs a confirm credential operation, which can be triggered by KeyguardManager#createConfirmDeviceCredentialIntent. If the user has no lockscreen password, the token is activated immediately. In all cases, the active state of the current token are only stored in memory and will be lost once the device reboots. In this case a new token needs to be provisioned again. Once provisioned and activated, the token will remain effective even if the user changes or clears the lockscreen password. This token is highly sensitive and should be treated at the same level as user credentials. In particular, NEVER store this token on device in plaintext. Do not store the plaintext token in device-encrypted storage if it will be needed to reset password on file-based encryption devices before user unlocks. Consider carefully how any password token will be stored on your server and who will need access to them. Tokens may be the subject of legal access requests.

On devices not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature, the reset token is not set and this method returns false. Requires the PackageManager#FEATURE SECURE LOCK SCREEN feature which can be detected using PackageManager#FEATURE SECURE LOCK SCREEN feature. DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null. token byte: a secure token a least 32-byte long, which must be generated by a cryptographically strong random number generator. Returns boolean true if the operation is successful, false otherwise. public void setRestrictionsProvider (ComponentName admin, ComponentName provider) Designates a specific service component as the provider for making permission requests of a local or remote administrator of the user. Only a device owner or profile owner can designate the restrictions provider. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null, provider ComponentName: The component name of the service that implements RestrictionsReceiver. If this param is null, it removes the restrictions provider previously assigned. Throws SecurityException if admin is not a device or profile owner. public void setScreenCaptureDisabled (ComponentName admin, boolean disabled). Called by a device/profile owner to set whether the screen capture is disabled. Disabling screen capture also prevents the content from being shown on display devices that do not have a secure video output.

See Display.FLAG SECURE for more details about secure displays. This method can be called on the DevicePolicyManager instance, returned by getParentProfile owner of an organization-owned managed profile. If it is not, a security exception will be thrown. If the caller is device owner or called on the parent instance by a profile owner of an organization-owned managed profile, then the restriction will be applied to all users. From version Build.VERSION CODES.M disabling screen capture also blocks assist requests for all activities of the relevant user. Parameters admin

ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null. disabled or not. Throws SecurityException if the caller is not permitted to control screen capture policy. public void setSecureSetting (ComponentName admin, This value may be null. disabled or not. Throws SecurityException if the caller is not permitted to control screen capture policy. public void setSecureSetting (ComponentName admin, This value may be null. disabled or not. Throws SecurityException if the caller is not permitted to control screen capture policy. String setting, String value) This method is mostly deprecated. Most of the settings that still have an effect have dedicated setter methods (e.g. setLocationEnabled(ComponentName, boolean)) or user restrictions. Called by profile or device owners to update Settings. Secure settings. setting type should be performed by the caller. The settings that can be updated by a profile or device owner with this method are: Settings. Secure. DEFAULT_INPUT_METHOD Sec Starting from Android O, apps should no longer call this method with the setting Settings. Secure INSTALL NON MARKET APPS, which is deprecated. Instead, device owners or profile owners should use the restriction UserManager #DISALLOW INSTALL UNKNOWN SOURCES. If any app targeting Build.VERSION_CODES.O or higher calls this method with Settings.Secure.INSTALL_NON_MARKET_APPS, an UnsupportedOperationException is thrown. Starting from Android Q, the device and profile owner can also call UserManager#DISALLOW INSTALL_UNKNOWN SOURCES GLOBALLY to restrict unknown sources for

all users. Note: Starting from Android R, apps should no longer call this method with the setting Settings. Secure. LOCATION MODE, which is deprecated. Instead, device owners should call setLocationEnabled(android.content. ComponentName, boolean). This will be enforced for all apps targeting Android R or above. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. setting to update the setting t enabled) Called by device owner or a profile owner of an organization-owned managed profile to control the security logging feature.

Security logs contain various information intended for security auditing purposes. When security logging is enabled by any app other than the device owner, certain security logs are not visible (for example personal app launch events) or they will be redacted (for example, details of the physical volume mount events). Please see SecurityEvent for details. Note: The device owner won't be able to retrieve security logs if there are unaffiliated secondary users or profiles on the device, regardless of whether the feature is enabled. Logs will be discarded if the internal buffer fills up while waiting for all users to become affiliated. Therefore it's recommended that affiliation ids are set for new users as

soon as possible after provisioning via setAffiliationIds(ComponentName, Set). Non device owners are not subject to this restriction since all privacy-sensitive events happening outside the managed profile would have been redacted already. Parameters admin ComponentName: Which device admin this request is associated with, or null if called by a

enabled boolean: whether security logging should be enabled or not. public void setShortSupportMessage (ComponentName admin, CharSequence message) Called by a device admin to set the short support message. This will be displayed to the user in settings screens where functionality has been disabled by the admin. The message should be limited to a short statement such as "This setting is disabled by your administrator.

Contact someone@example.com for support." If the message is longer than 200 characters it may be truncated. If the short support message needs to be localized, it is the responsibility of the DeviceAdminReceiver to listen to the Intent#ACTION LOCALE CHANGED broadcast and set a new version of this string accordingly. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null. message. Throws SecurityException if admin is not an active administrator. See also: setLongSupportMessage(ComponentName, CharSequence) public void setStartUserSessionMessage (ComponentName admin, CharSequence startUserSessionMessage) Called by a device owner to specify the user session start message. This may be displayed during a user switch. The message should be limited to a short statement or it may be truncated. If the message needs to be localized, it is the responsibility of the DeviceAdminReceiver to listen to the Intent#ACTION LOCALE CHANGED broadcast and set a new version of this message accordingly. Parameters admin ComponentName: which DeviceAdminReceiver this request is associated with. This value cannot be null. startUserSessionMessage CharSequence: message for starting user session, or null to use system default message. Throws SecurityException if admin is not a device owner or profile owner of secondary users that is affiliated with the device to

Disabling the status bar blocks notifications and quick settings. Note: This method has no effect for LockTask mode can be configured with setLockTask mode will be registered, but will only take effect when the device leaves LockTask mode. This policy does not have any effect while on the lock screen, where the status bar will not be disabled. Using LockTask instead of this method is recommended. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null.

disabled boolean: true disables the status bar, false reenables it. Returns boolean false if attempting to disable the status bar failed. true otherwise. Throws SecurityException if admin is not the device owner, or a profile owner of secondary user that is affiliated with the device. See also: isAffiliatedUser()getSecondaryUsers(ComponentName) Added in API level 11 Deprecated in API level 30 public int setStorageEncryption (ComponentName admin, boolean encryption of the device. It has never affected the encryption status of a device. Called by an application that is administering the device to request that the storage system be encrypted. Does nothing if the caller is on a secondary user or a managed profile. When multiple device administrators attempt to control device encryption, it will be enabled; Conversely, if a device administrator attempts to disable device encryption while another device administrator has enabled it, the call to disable will fail (most commonly returning ENCRYPTION STATUS ACTIVE). This policy controls encryption of the secure (application data) storage area. Data written to other storage areas may or may not be encrypted, and this policy does not require or control the encryption of any other storage areas. There is one exception: If Environment.isExternalStorageEmulated() is true, then the directory returned by

Environment.getExternalStorageDirectory() must be written to disk within the encrypted storage area. Important Note: On some devices, it is possible to encrypt storage is encrypted, but the encrypted, but the encrypted storage area. Important Note: On some devices, it is possible to encrypt storage is encrypted, but the encrypted, but the encrypted storage area. administrator should also require (and check for) a pattern, PIN, or password. Parameters admin ComponentName: Which DeviceAdminReceiver this request encryption, false to release any previous request public void setSystemUpdatePolicy (ComponentName admin, SystemUpdatePolicy policy) Called by device owners or profile to to set a local system update policy is set, ACTION_SYSTEM_UPDATE_POLICY_CHANGED is broadcast. If the supplied system update policy has freeze periods set but the freeze periods do not meet 90-day maximum length or 60-day minimum separation requirement set out in SystemUpdatePolicy#setFreezePeriods, SystemUpdatePolicy.ValidationFailedException will the thrown. Note that the system keeps a record of freeze periods the device experienced previously, and combines them with the new freeze periods to be set when checking the maximum freeze length and minimum freeze separation constraints. As a result, freeze periods that passed validation during SystemUpdatePolicy#setFreezePeriods might fail the additional checks here due to the freeze period history. If this is causing issues during development, adb shell dpm clear-freeze-period-record can be used to clear the record. Parameters All components in the package can set system update Policy. See also: SystemUpdatePolicy. SystemUpdatePolicy. SystemUpdatePolicy. SystemUpdatePolicy. SystemUpdatePolicy. SystemUpdatePolicy. See also: SystemUpdatePolicy. SystemUpdatePolicy. SystemUpdatePolicy. See also: SystemUpdatePolicy. SystemUpdatePoli

admin, long millis) Called by a device owner of an organization-owned managed profile to set the system wall clock time. This only takes effect if called when Settings. Global. AUTO TIME is 0, otherwise false will be returned. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null. millis long: time in milliseconds since the Epoch Returns boolean true if set time succeeded, false otherwise. Throws SecurityException if admin is not a device owner or a profile owner of an organization-owned managed profile. public boolean setTimeZone (ComponentName admin, String timeZone) Called by a device owner or a profile owner of an organization-owned managed profile to set the system's persistent default time zone. This only takes effect if called when Settings. Global. AUTO TIME ZONE is 0, otherwise false will be returned. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null. timeZone String: one of the Olson ids from the list returned by TimeZone.getAvailableIDs() Returns boolean true if set timezone succeeded, false otherwise. Throws SecurityException if admin is not a device owner or a profile owner of an organization-owned managed profile. See also: AlarmManager.setTimeZone(String) public void setTrustAgentConfiguration (ComponentName admin, ComponentName target, PersistableBundle configuration) Sets a list of configuration (String) public void setTrustAgentConfiguration (ComponentName admin, ComponentName admin, Compone agents but those enabled by this function call. If flag KEYGUARD DISABLE TRUST AGENTS is not set, then this call has no effect. For any specific trust agent, whether it is disabled or not depends on the aggregated state of each admin's KEYGUARD DISABLE TRUST AGENTS is not set, then this call has no effect. For any specific trust agent, whether it is disabled or not depends on the aggregated state of each admin's KEYGUARD DISABLE TRUST AGENTS. particular: if any admin sets KEYGUARD DISABLE TRUST AGENTS and does not additionally set any trust agent tonfiguration, the trust agent is disabled completely. Otherwise, the trust agent will receive the list of configuration, the trust agent is disabled completely. behavior. The exact meaning of aggregation is trust-agent-specific. A calling device admin must have requested DeviceAdminInfo#USES POLICY DISABLE KEYGUARD FEATURES to be able to call this method; if not, a security exception will be thrown. This method can be called on the DevicePolicyManager instance returned by getParentProfileInstance(android.content.ComponentName) in order to set the configuration for the parent profile. On devices not supporting PackageManager#FEATURE SECURE LOCK SCREEN feature, calling this method has no effect - no trust agent configuration will be set. Requires the PackageManager#FEATURE SECURE LOCK SCREEN feature which can be detected using PackageManager.hasSystemFeature(String). Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin This value may be null. target ComponentName: Component name of the agent to be configured.

configuration PersistableBundle: Trust-agent-specific feature configuration bundle. Please consult documentation of the specific trust agent to determine the interpretation of this bundle. Please consult documentation of the specific trust agent to determine the interpretation of this bundle. Please consult documentation of this bundle. Please consult documentation of the specific trust agent to determine the interpretation of this bundle.

function can be called by a device owner, profile owner, or by a delegate given the DELEGATION BLOCK UNINSTALL scope via setDelegatedScopes (ComponentName, String, List) or holders of the permission. MANAGE DEVICE POLICY APPS CONTROL. Starting from Build. VERSION CODES#UPSIDE DOWN CAKE, after the set uninstall blocked policy has been set, PolicyUpdateReceiver#onPolicySetResult(Context, String, Bundle, TargetUser, PolicyUpdateResult) will notify the admin on whether the policy was successfully set or not. This callback will contain: If there has been a change to the policy UpdateReceiver#onPolicyUpdateResult will contain the same parameters as PolicyUpdateResult and the PolicyUpdateResult will contain the reason why the policy changed.

Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. Null if the caller is not a device admin. This value may be null. package. public void setUsbDataSignalingEnabled (boolean enabled) Called by a device owner or profile owner of an organization-owned managed profile to enable or disable USB data connections (except from charging functions) are prohibited. This API is not supported on all devices, the caller should call canUsbDataSignalingBeDisabled() to check whether enabling or disabling USB data signaling is supported on the device. Parameters enabled boolean: whether USB data signaling fails to be enabled or not. Throws SecurityException if the caller is not supported or if USB data signaling fails to be enabled or not. setUserControlDisabledPackages (ComponentName admin, List packages) Called by a device owner or a profile owner or holder of the permission. MANAGE DEVICE POLICY APPS CONTROL to disable user control over apps. User will not be able to clear app data or force-stop packages. When called by a device owner, applies to all users on the device. Packages with user control disabled are exempted from App Standby Buckets. Starting from Build.VERSION CODES#UPSIDE_DOWN_CAKE, after the user control disabled packages policy has been set, PolicyUpdateReceiver#onPolicySetResult(Context, String, Bundle, TargetUser, PolicyUpdateResult) will notify the admin on whether the policy was successfully set or not. This callback will contain: If there has been a change to the policy UpdateReceiver#onPolicyUpdateResult and the PolicyUpdateResult will contain the reason why the policy changed. Parameters admin. This value may be null. packages List: The package names for the apps. This value cannot be null. public void setUserIcon (ComponentName admin, Bitmap icon) Called by profile or device owners to set the user's photo. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with.

This value cannot be null. icon Bitmap: the bitmap to set as the photo.

Throws SecurityException if admin is not a device or profile owner of an organization-owned managed profile to specify the Wi-Fi SSID policy (WifiSsidPolicy). Wi-Fi SSID policy specifies the SSID restriction the network must satisfy in order to be eligible for

a connection. Providing a null policy results in the deactivation of the SSID restriction Parameters policy WifiSsidPolicy: Wi-Fi SSID policy This value may be null. public int startUserInBackground (ComponentName admin, UserHandle) Called by a device owner to start the specified secondary user in background. Parameters admin ComponentName: Which DeviceAdminReceiver this request is associated with. This value cannot be null. userHandle UserHandle: the user to be started in background. This value cannot be null. Returns int one of the following result codes: UserManager#USER_OPERATION_ERROR_UNKNOWN, UserManager#USER_OPERATION_SUCCESS, UserManager#USER OPERATION ERROR MANAGED PROFILE, UserManager.USER OPERATION ERROR MANAGED PROFILE, UserManager.USER OPERATION ERROR MANAGED PROFILE, UserManager.USER OPERATION ERROR MAX RUNNING USERS, UserManager.USER OPERATION ERROR CURRENT USER, UserManager.USER OPERATION ERROR LOW STORAGE, UserManager.USER OPERATION ERROR LOW STORAGE, UserManager.USER OPERATION ERROR USER ACCOUNT ALREADY EXISTS Throws Security Exception if admin is not a device owner. See also: get Secondary Users (Component Name) public int stop User (Component Name) with this request is associated with. This value cannot be null. userHandle UserHandle: the user to be stopped. This value cannot be null. Returns int one of the following result codes: UserManager#USER_OPERATION_SUCCESS, UserManager#USER_OPERATION_ERROR_MANAGED_PROFILE,

UserManager.USER OPERATION ERROR CURRENT USER, or android.os. UserManager.USER OPERATION ERROR LOW STORAGE, USER DESCRIPTION ERROR LOW STORAGE LOW STO getSecondaryUsers(ComponentName) public void transferOwnership (ComponentName administrator are migrated to the new administrator. The whole operation is atomic - the transfer is either complete or not done at all. Depending on the current administrator (device owner, profile owner, profile owner, profile owner an only be transferred to a new profile owner can only be transferred to a new device owner and only be transferred to a new device owner. DeviceAdminReceiver#onTransferOwnershipComplete(Context, PersistableBundle) callback of the new administrator. The transfer has failed if the original administrator is still the corresponding owner after calling this method. The incoming target administrator must have the tag inside the tags in the xml file referenced by DeviceAdminReceiver#DEVICE ADMIN META DATA. Otherwise an IllegalArgumentException will be thrown. Parameters admin ComponentName: which DeviceAdminReceiver we want the new administrator to be. This value cannot be null. bundle PersistableBundle: data to be sent to the new administrator. This value may be null. public void uninstallAllUserCaCerts (ComponentName admin) Uninstalls all custom trusted CA certificates from the profile.

UserManager#USER OPERATION ERROR CURRENT USER Value is UserManager.USER OPERATION ERROR MANAGED PROFILE, UserManager.USER OPERATION ERROR MAX RUNNING USERS,

Certificates installed by means other than device policy will also be removed, except for system CA certificates installer. public boolean updateOverrideApn (ComponentName admin, int apnId, ApnSetting apnSetting) Called by device owner or managed profile owner to update an override APN. This method may returns false if apnSetting conflicts with an existing override APN. Update the existing conflicted APN instead. See addOverrideApn(ComponentName, App Setting) for the definition of conflict. Before Android version Build. VERSION CODES. TIRAMISU: Only device owners can update APNs. Starting from Android version Build. VERSION CODES. TIRAMISU: Only device owners can update APNs. update other type of APNs. Parameters admin ComponentName: which DeviceAdminReceiver this request is associated with This value cannot be null. Returns boolean true if the required override APN is successfully updated, false otherwise. Throws SecurityException If request is for enterprise APN admin is either device owner or profile owner and in all other types of APN if admin is not a device owner. See also: setOverrideApnsEnabled(ComponentName, boolean) public void wipeData (int flags, CharSequence reason) Ask that all user data be wiped. If called as a secondary user or managed profile, the user itself and its associated user data will be wiped. In particular, If the caller is a profile owner of an organization-owned managed profile and all policies set by the profile owner Calling this method from the primary user will only work if the calling app is targeting SDK level Build. VERSION CODES#TIRAMISU or below, in which case it will cause the device data - including all the secondary users and their data - while booting up. If an app targeting SDK level

Build. VERSION CODES#UPSIDE DOWN CAKE and above is calling this method from the primary user or last full user, IllegalStateException will be thrown. If an app wants to wipe Device(int) instead. See also: wipeDevice(int) wipeDevice(int) wipeDevice(int) and provided Device Policy is a built-in device policy controller enabling IT administrators to directly manage Android devices via enterprise mobility management API. In addition to configuring the work profile or fully managed device, Android Device Policy also provides employees visibility into the policies enforced by IT admins, and helps users resolve any policy requirements that require employee interaction, like setting a password or updating to the latest Android Device Policy collects certain information from your device. What information is collected and how it is shared with you IT administrator depends on the management set configured on your device, as well as whether you or your organization owns the device. If your device has a work profile, your organization can view and manage your work apps and data. Your personal apps, data, and usage details aren't visible or accessible to your organization or Android Device Policy. Learn more about what data Android Device Policy collects about your work profile on behalf of your IT administrator. If your device is fully managed, your organization can view and manage apps and data throughout the entire

device. Learn more about the data on your fully managed device that the Android Device Policy makes visible to your IT administrator. Regardless of which management set you use, Android Device Policy app for aggregated analytics and troubleshooting purposes. All the data Android Device Policy controller? Enterprise features & capabilities