



DLS Technology Corporation

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vKey[®] 6.1

Administrator Guide

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Welcome to the vKey Admin Guide!

This guide will help you quickly get started with managing your fleet of vKey devices using the vKey Device Manager (vDM) Console. It provides you with essential steps and tips to make the most of vDM's features.

Minimum System Requirement

vKey OS can operate under the following minimum configuration. Note: The system and most applications will perform better with more than the minimum resources:

- x86-64 2GHz dual-core processor or faster
- 2GB system memory
- 20GB unallocated drive space

For VMware vKey virtual machines, VMware Workstation Player 17.5.2 or above is required.

Briefly, what is vKey?

vKey OS is a lightweight, immutable operating system that provides a secure environment for delivering applications. It prevents virus attacks or malware modifications, making it ideal for handling sensitive information. Key features include:

- Compatibility with remote access systems (e.g., Citrix)
- Data encryption at rest and in transit
- Quick setup for trusted, secure endpoints
- Strong security controls for compliance with data protection regulations

The immutable design helps prevent virus attacks or malware modifications, making it ideal for handling sensitive information.

Briefly, what is vDM?

The vKey Device Manager (vDM) is a companion web application for vKey devices. It enables system administrators to monitor, manage, and update/patch vKey devices registered under the organization. vDM controls vKey devices in a robust policy-based, bi-directional fashion.

vDM policies are associated with different account types, each with varying privileges, allowing for flexible management of vKey devices. Privileged users can create and decommission vKey devices, ensuring efficient lifecycle management.

Getting started with vKey Device Management

vDM Account Type

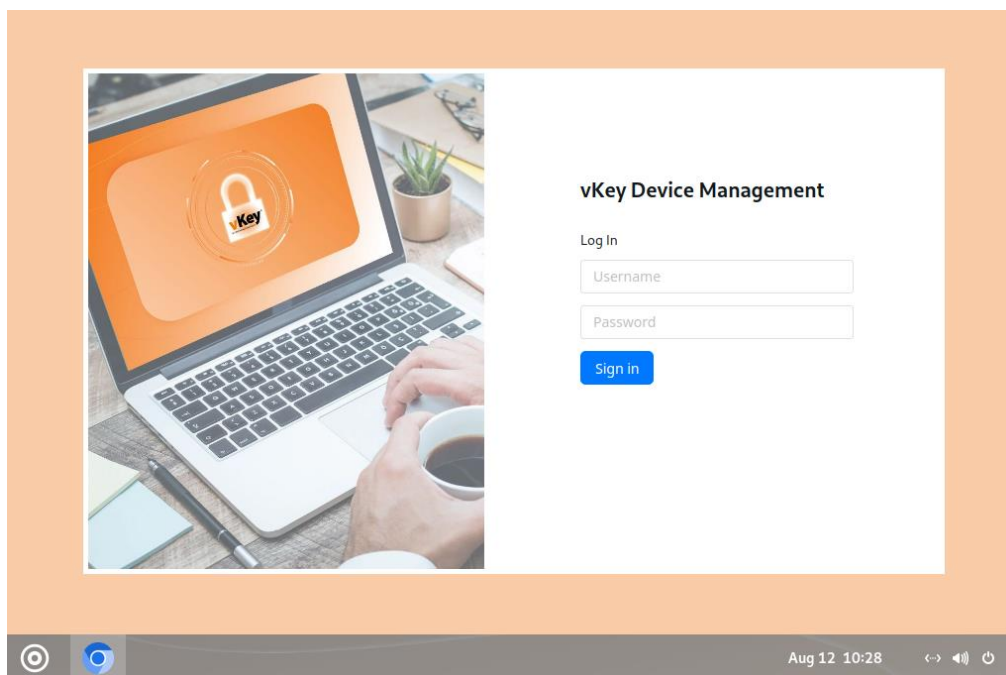
Your vDM account type dictates what you can do on the vDM platform. vDM has the following account types:

- **User:** The lowest privileged role. A user can only view data and manage devices under their account.
- **Administrator:** A privileged role. An administrator can view data and actively manage all devices registered with vDM.
- **Owner:** The highest privileged role. An owner has all the privileges of an administrator and can assign and manage other accounts. In addition, an owner can create new vKey devices and explicitly decommission vKey devices.

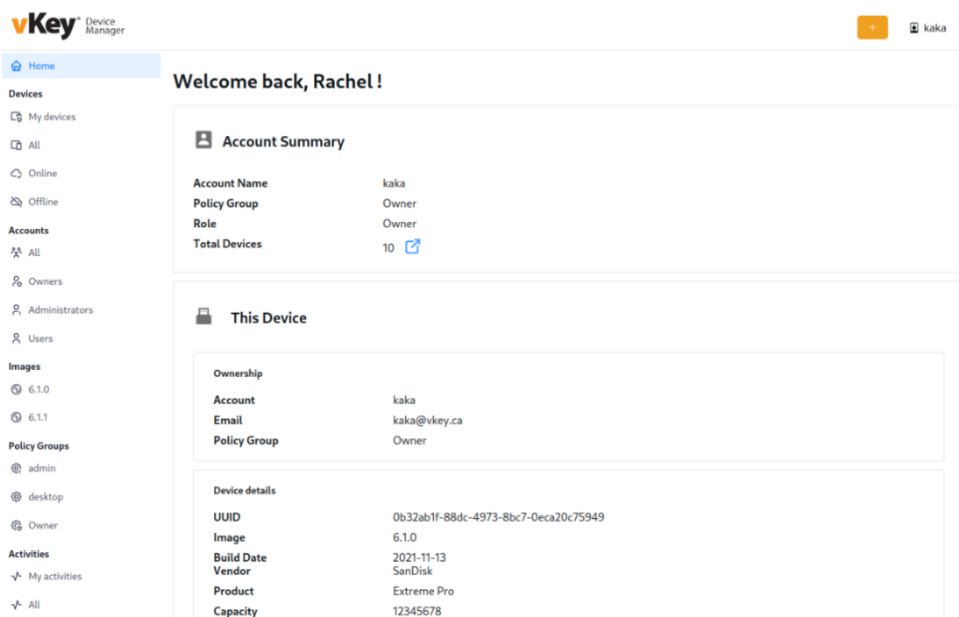
Since the owner has the highest privilege, they have the most comprehensive view of vDM. The remainder of this guide assumes a user with the 'Owner' role.

The vDM Console









On your vKey device, open a browser, navigate to the vKey Device Manager (vDM), and log in.



Once logged in, you will be greeted with the home page. Please note that device-specific information will not be available if you log into vDM with a non-vKey device.

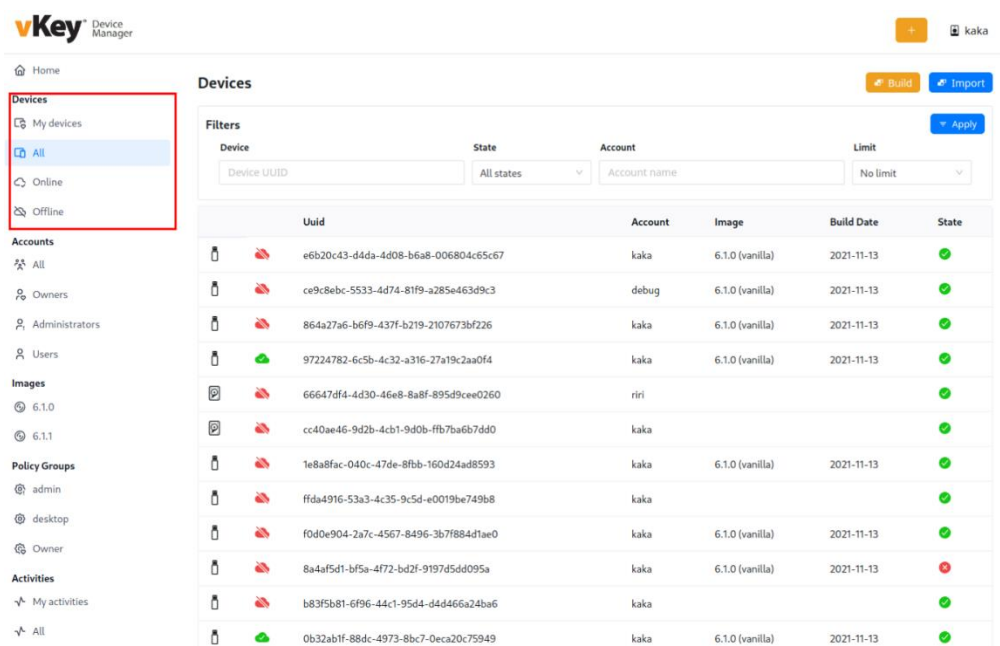


Icon Glossary

Icon	Explanation
	Indication that the vKey device is online.
	Indication that the vKey device is offline.
	Indication that the vKey device has a valid license.
	Indication that the vKey device is expired.
	Mobile usb vKey devices.
	Embedded vKey devices (OS installed on hard drive).
	Edit an item/field.
	Remove item from the table.

Devices

vKey devices can be found in the "Devices" panel. Note that only online vKey devices can be actively managed.



vKey Device Manager

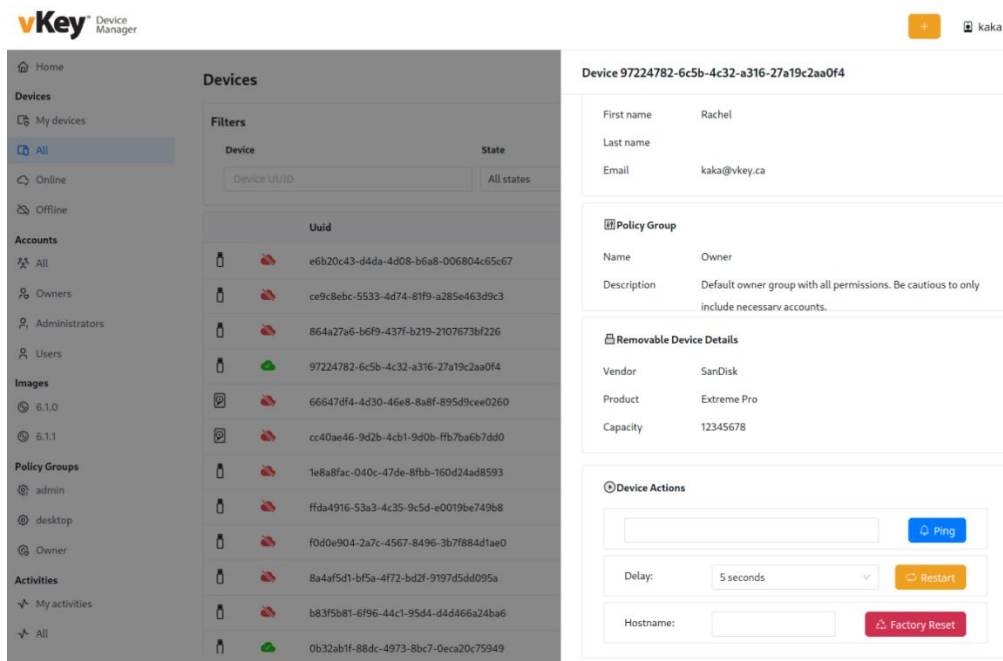
Devices

Filters: Device (Device UUID), State (All states), Account (Account name), Limit (No limit)

Uuid	Account	Image	Build Date	State
e6b20c43-d4da-4d08-b6a8-006804c65c67	kaka	6.1.0 (vanilla)	2021-11-13	Online
ce9c8ebc-5533-4d74-81f9-a285e463d9c3	debug	6.1.0 (vanilla)	2021-11-13	Online
864a27a6-b6f9-437f-b219-2107673bf226	kaka	6.1.0 (vanilla)	2021-11-13	Online
97224782-6c5b-4c32-a316-27a19c2aa0f4	kaka	6.1.0 (vanilla)	2021-11-13	Online
66647df4-4d30-46e8-8a8f-895d9cee0260	riri			Online
cc40ae46-9d2b-4cb1-9d0b-ffb7ba6b7dd0	kaka			Online
1e8a8fac-040c-47de-8fbb-160d24ad8593	kaka	6.1.0 (vanilla)	2021-11-13	Online
ffda4916-53a3-4c35-9c5d-e0019be749b8	kaka			Online
f0d0e904-2a7c-4567-8496-3b7f884d1ae0	kaka	6.1.0 (vanilla)	2021-11-13	Online
8a4af5d1-bf5a-4f72-bd2f-9197d5dd095a	kaka	6.1.0 (vanilla)	2021-11-13	Offline
b83f5b81-6f96-44c1-95d4-d4d466a24ba6	kaka			Online
0b32ab1f-884c-4973-8bc7-0eca20c75949	kaka	6.1.0 (vanilla)	2021-11-13	Online


To build a new vKey device, simply select the yellow "Build" button in the top right corner of the screen and follow the interactive GUI to complete the build process. Note that you can only build vKey devices if you are logged into vDM on a vKey device as an "Owner".

Additional device information and device actions can be displayed when a device is selected.



Account

vDM accounts are accessible under the "Accounts" panel.

- Accounts can be removed with the remove button .
- Account can be added with the yellow "+" sign.

Likewise, account information can be expanded when an account is selected.

vKey® Device Manager

Home

Devices

- My devices
- All
- Online
- Offline

Accounts

- All
- Owners
- Administrators
- Users

Images

- 6.1.0
- 6.1.1

Policy Groups

- admin
- desktop
- Owner

Activities

- My activities
- All


Accounts

Filters

Account: Policy Group: Limit:

Apply

Name	Role	Email	First Name	Last Name	Policy Name
debug	User	debug@dls.ca	De	Bug	desktop
kaka	Owner	kaka@vkey.ca	Rachel		Owner
koko	Administrator	koko@dls.com			admin
pokemon	Owner	pokemon@gmail.com			Owner
riri	Administrator	riri@dls.com	Hand	Sanitizer	admin

Account details can be modified with the edit button , including reassigning the account to a different policy group.

vKey® Device Manager

Home

Devices

- My devices
- All
- Online
- Offline

Accounts

- All
- Owners
- Administrators
- Users

Images

- 6.1.0
- 6.1.1

Policy Groups

- admin
- desktop
- Owner

Activities

- My activities
- All

Accounts

Filters

Account:

Name	Role	Email
debug	User	debug@dls.ca
kaka	Owner	kaka@vkey.ca
koko	Administrator	koko@dls.com
pokemon	Owner	pokemon@gmail.com
riri	Administrator	riri@dls.com

Account riri

Details

First Name: Eva

Last Name:

Notes: System Admin


Policy Group

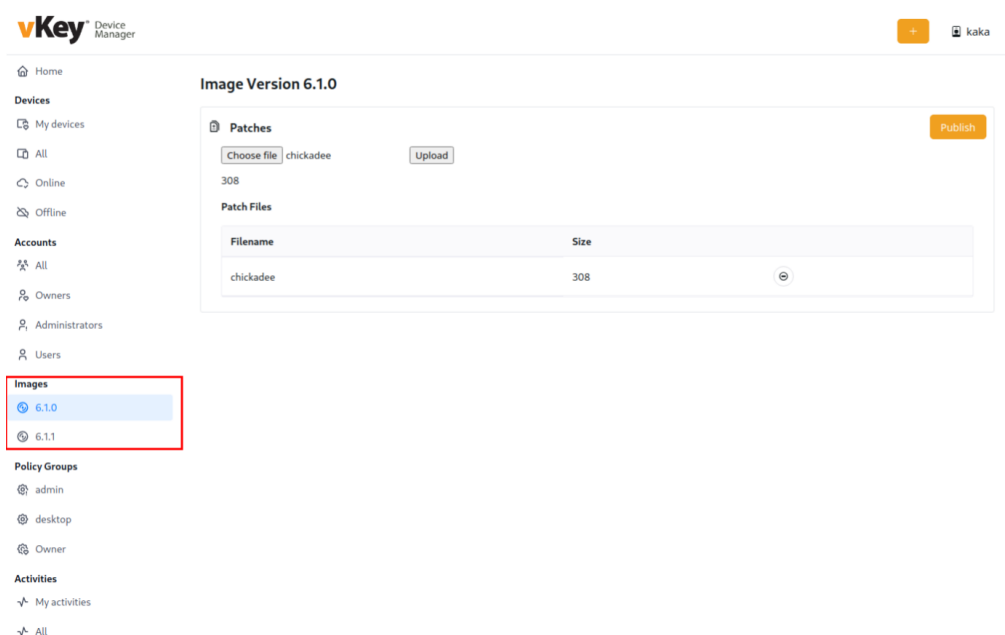
Name: admin

Description: Administrators group.

Images/Patching

To patch your fleet of vKey devices, navigate to the 'Images' section of the side panel. Make sure you select the image version to which you want the patch to apply. Select your patch with the file chooser and click the "Publish" button to broadcast your patches to all vKey devices under the selected image version.

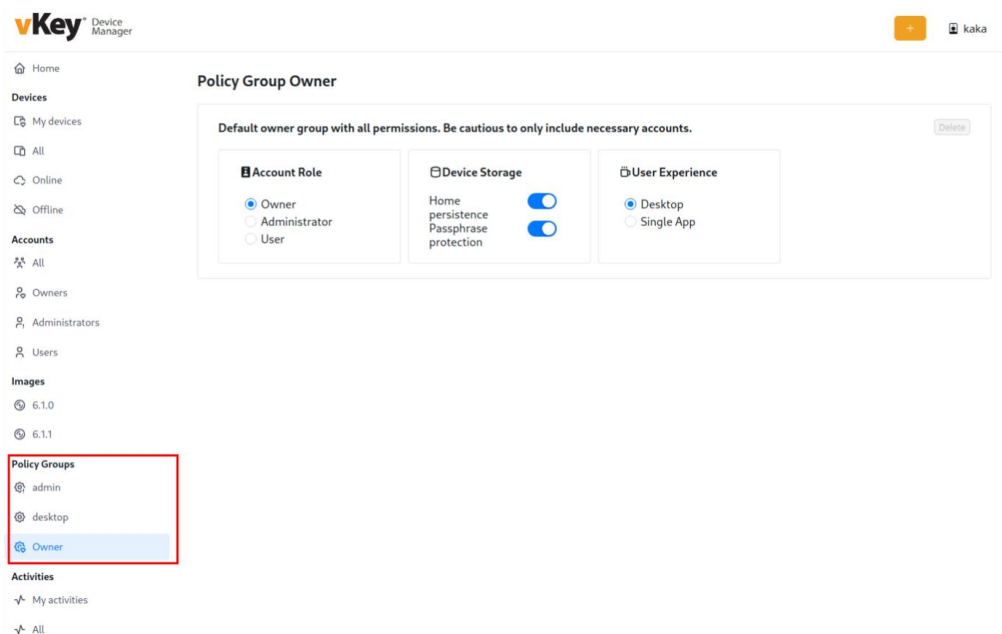
To remove the patch, simply remove the desired patch with the remove button , and then click "Publish" to apply your changes.



Policy Groups

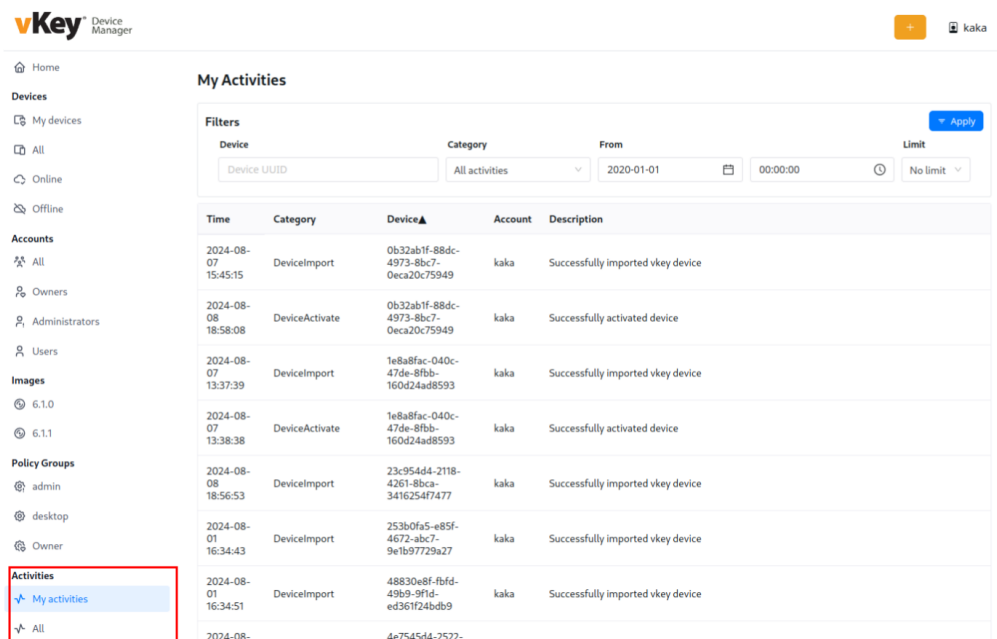
Policies can be managed via the "Policy Groups" section. Policy items can be adjusted freely with simple selections and toggles, and policy modifications will be immediately notified to all online vKey devices that are under the policy group.

- To remove a policy: Select the "Delete" button (the "Owner" policy group cannot be deleted).
- To add a policy: Select the yellow "+" sign.



Activities

All vDM operations on vKey devices are logged for informational and debugging purposes. vKey activities can be viewed in the "Activities" section. Custom filters can be applied to help you pinpoint activities of interest.



About DLS

DLS Technology is a leading provider of Cybersecurity, Cloud Computing, Infrastructure and Virtualization Integration Solutions and IT Consulting services, product research and development for both public and private sector clients. DLS Technology designs, deploys, and supports end-to-end secure enterprise and workspace solutions, including DLS' patented vKey Endpoint Cybersecurity solution. Since 2000, DLS has delivered hundreds of enterprise level projects that have reduced client's Total Cost of Ownership by an estimated 40% and has accelerated client's productivity by an estimated 500%. Visit www.dlstech.com and www.vkey.ca.

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