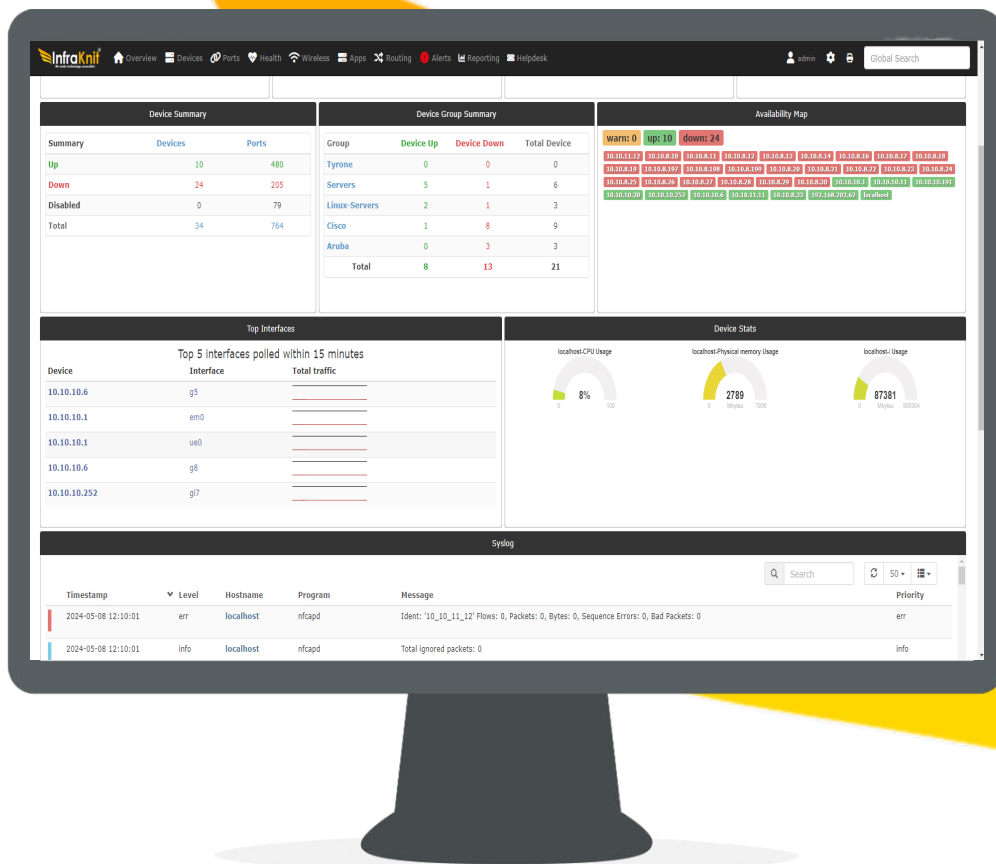


**Product Data sheet**

**NMS (Network Infrastructure Management Supervisor)**

# NMS (Network Infrastructure Management Supervisor)

**InfraKnit Network Management System (NMS)** provides Ease of Use, Modular Integrated Management approach to cater the demanding IT environments. It provides the FCAPS functionalities with COTS product. It provides the Unified NMS experience to IT operators whether Fault & Performance, Server or Network Monitoring, Storage or Firewall Monitoring, Server & Network Automation, Server & Network Configuration Management, Syslog & Event Management, Data Analytics, Helpdesk & Ticketing & SLA Management, all are provided as part of NMS modules.



## Key Features

- Web based secured Unified Dashboard
- Auto-discovery of network devices with Topology
- Fault Management
- Performance Management
- Configuration Management
- SLA & SLT Management
- Root Cause Analysis
- Incident Management
- Report builder, Notification Manager (e-Mail, SMS, IVR)
- Interactive Charts & Graphs



InfraKnit stands out as a distinguished Infrastructure Management & Monitoring Software Company, renowned for its exceptional services.

As an Infrastructure management software firm, InfraKnit places a strong emphasis on delivering adaptable solutions that cater to businesses of all sizes, without regard to their financial constraints.

InfraKnit specializes in creating all-encompassing Infrastructure management software solutions, with the primary objective of simplifying the tasks of your engineering teams. Our expertly crafted Infrastructure domain products encompass a wide array of IT necessities, ranging from network and device management to security and service desk software. We take pride in uniting the realm of IT under one integrated and comprehensive approach, offering the means to tailor and optimize your IT operations

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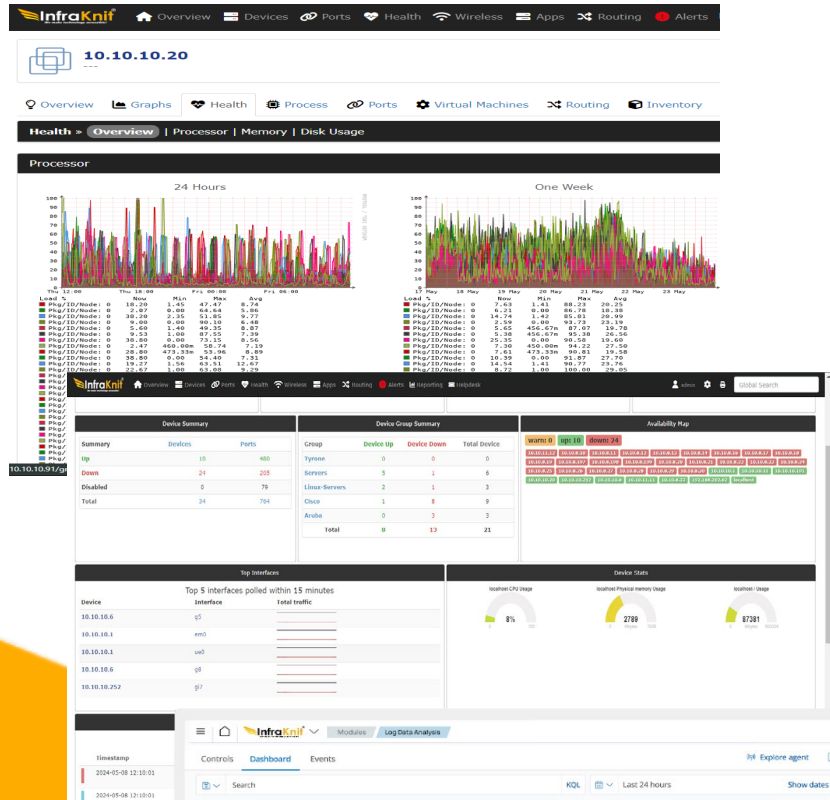


**InfraKnit**



## Elemental Specifications

- ❖ Physical Host & Server Monitoring
- ❖ Network Monitoring
- ❖ Traffic Analysis
- ❖ Application Monitoring
- ❖ Database Monitoring
- ❖ Virtual Monitoring
- ❖ Storage Monitoring
- ❖ OSS/BSS Layer Monitoring
- ❖ Cloud Monitoring
- ❖ Log Monitoring
- ❖ SEIM



## InfraKnit Certifications

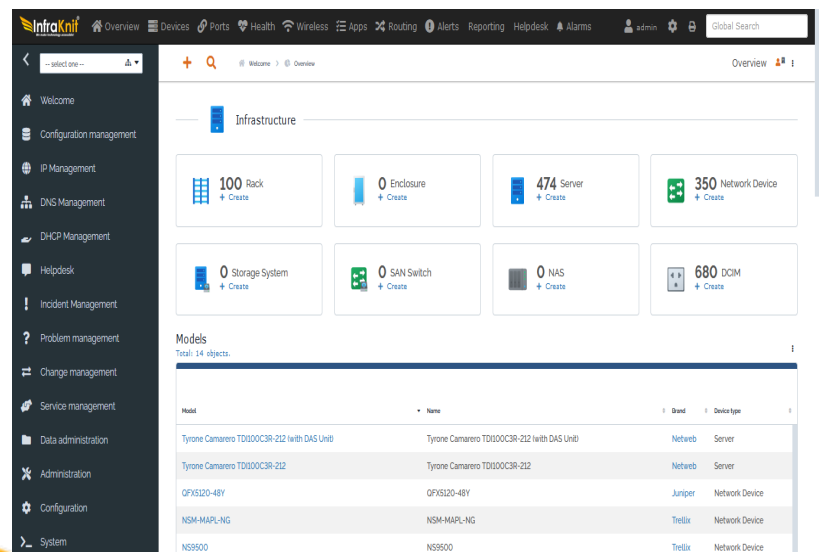
- CMMI LEVEL 3
- IATF 16949:2016
- ISO/IEC 27000:2018
- CIS Benchmark
- ITIL V4
- ISO 9001-2015
- ISO 14001-2015
- ISO 27001-2018
- ISO 27034-1-2011
- ISO 45001-2018

## Detailed Features

- In-Depth Network Topology View
- Dependency Mapping
- Centralized log aggregation and analysis
- Single Dashboard with All-in-one monitoring for network / IP devices, server, and application
- Complete Network Flow Automation
- Link up/down Monitoring
- SLA Performance Monitors such a jitter, latency, packet loss
- NMS supports Class-based (QOS) Quality Of Service
- Provides inventory view of L3 VPNs, detailed views for an L3 VPN
- Proactive Troubleshooting, Reduce Downtime
- Provide early warning on performance issues
- capacity management and augmentation
- Drill-down any sort of data
- Tool supports MIB-II and enterprise MIB for performance management
- Supports both IPv4 and IPv6 protocols
- RCA with context to quickly identify issues
- Support for Virtual Private Wire
- Support cloud infrastructure.

- Service (VPWS) and Virtual Private LAN Service (VPLS)
- Fully Customization Script Support
- Notification via email, SMS, & provision to interface
- Centralized and distributed deployment that easily scales with multiple remote polars
- Remote Polling Engines for different site-to-site
- monitoring from one single location
- Scalable as per the clients need
- Different Management modules for different user monitoring
- Plug-in-based architecture with REST API
- Multi-vendor access & support
- Web-based intuitive and user-friendly GUI for NMS/EMS, Help Desk
- Unified console for network management, flow monitoring, and log monitoring
- Customized Dashboards for all users
- Single platform Correlate, integrate, and visualize all sorts of data monitoring
- Network Device Monitoring for Routers, switches & Firewalls.

- Network Monitoring Metric: CPU, Memory, Disk,
- Temperature, Fan speed, RTT, Packet loss, latency,
- and various others.
- Server Monitoring Metric: Request per second (RPS), Uptime, Error, Thread count, ART/PRT
- DB Monitors Metric: Memory, Cache, Sessions,
- Buffer, Locks, Pages, Query Detail, Transaction
- Detail, etc.
- Supports Fault, Configuration, Accounting,
- Performance, and Security (FCAPS)
- Support Traps and Alarms
- Supports SNMP traps and syslog
- Alert stream
- Advanced Alarm filters and correlation
- Alarm/Event Suppression
- Supports multi-tenancy
- File integrity management
- NMS Diagnostic Tools
- Remedy actions
- Enforce Runbook Policies for Auto-remediation
- Role Based Access for Security and Better Control
- On-premise and Cloud deployment
- Multiple concurrent Admin web sessions
- Predefined as well as customized reports and
- dashboards
- Auto ticketing for alarms/incidents
- Integration with AD and LDAP
- NMS Integration with ITSM/ServiceDesk/Helpdesk
- Smart Rack Monitoring
- Integration with non-IT devices viz. sensors, cctv, access control, PAHU, etc.
- High Availability



## Integrated OpfraSu

InfraKnit Helpdesk consists of many channels of communication that allow people to raise a support request and get it answered in very less time. Our helpdesk is an essential function in an organization that is required to resolve requests, issues, or complaints promptly. Our product is equipped with ITIL Compliant System, CMDB, Workflow, Rule Engine, SLA, Attribute & Entity Management and many more features, all integrated and bundled on the same platform

- Helpdesk – Full-fledged Helpdesk system with ITIL compliance processes.
- CMDB - Centralized database for seamless and integrated access to monitored and managed elements.
- SLA Management – Create, Monitor, and Manage IT or NON-IT SLA on the same platform without shifting the consoles and processes.
- Asset & Inventory – Manage up-to-date Asset & Inventory for your organization and visualizing the capacities in-terms of usage or wastage.

- Unified Dashboard with RBAC Integrated OS, UI, Applications & Database.
- LDAP/AD/AAA Integration
- ITIL Compliant Helpdesk
- CMDB
- RDBMS or In-Memory Datastore
- Ticketing
- Incident Management
- Problem Management
- Change Management
- Configuration Management
- User Request Management
- Contact Management
- Organization Management
- Knowledgebase Management
- SLA Management
- Workflow Management
- Asset & Inventory
- IP Address Management
- Class Designer & Publisher
- Symbol Designer & Publisher
- Template Driven System
- Interactive Charts & Graphs
- Event Console with Notification Manager & Alerts Alarms
- Long-term Data Archival & Maintenance with Audit Trails
- Customization & Development Services for Modules, Forms, Business Processes, & Reports Designer
- Professional Customization Services

# DDI

A comprehensive and user-friendly WEB GUI allows network administrators to manage their IP space following IP Management best practices. It offers advanced functions for allocating and changing (split, shrink, expand) subnet blocks and subnets. History of all modifications that are made to your IP space is registered, which allows you to navigate back to the source of the changes that have led to network misbehaviours.

It integrates a CMDB focusing on configuration elements (CIs) that are relevant to the IP administration.

- A detailed CMDB.
- Quick access to information.
- Integrated audit
- Easy data import,
- Helpdesk
- User portal
- Dashboards
- Activity reports integrated with Excel

## Detailed Features

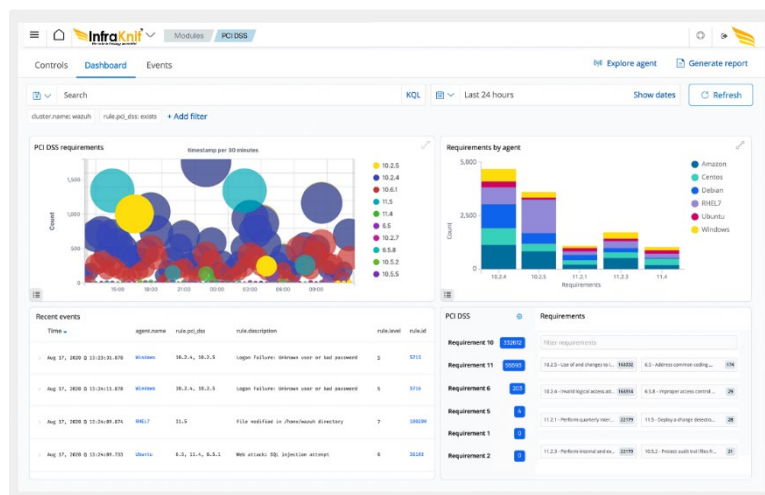
- Multi-organisations with data segregation
- Multi criteria research engine
- Data export to CSV, HTML, XML formats
- Data import at CSV format
- Multi lingual (per user)
- Google like global search
- Synchronous or asynchronous automated email notifications
- Management of user profiles
- Direct links to IP objects, CIs and lists
- Local / LDAP / JA-SIG CAS / external authentication
- Full history of modifications
- Editable dashboards
- Global parameters specific to each organisation
- Full IPv4 and 1Pv6 support
- Hierarchical subnet blocks for the definition and management of the IP Plan
- Subnet management
- Resizing functions (split, shrink, expand) for subnet blocks and subnets
- Subnet calculator
- Help for subnet blocks and subnets allocation
- Capacity management. Subnet occupancy rates are displayed and alarms can be generated when user defined threshold are reached
- Management of IP ranges dedicated to DHCP or any specific usage
- IP address management
- Management of NAT IPs

- Released subnets and IPs can be kept in the data base and be erased at a later date defined by an administrator.
- Management of contacts and roles
- Infrastructure management (servers, virtual environments, network devices, printers, PCs, ...)
- Network specifics management (IP interfaces VLANs, DNS Domains, WAN Links, AS Numbers, VRFs ...)
- Management of relations between CIs
- Document management (in relation to CIs)
- Hierarchical organisation and site management
- Management of user requests related to IP addresses and subnets
- Team and agent assignments
- Automatic update of dates and time counters
- Automatic notification of contacts
- Requests and related IP objects are linked together
- Automated workflow to ease allocation of subnets and IP addresses
- Log of actions
- User portal where to submit and follow IP Requests.

## NCCM

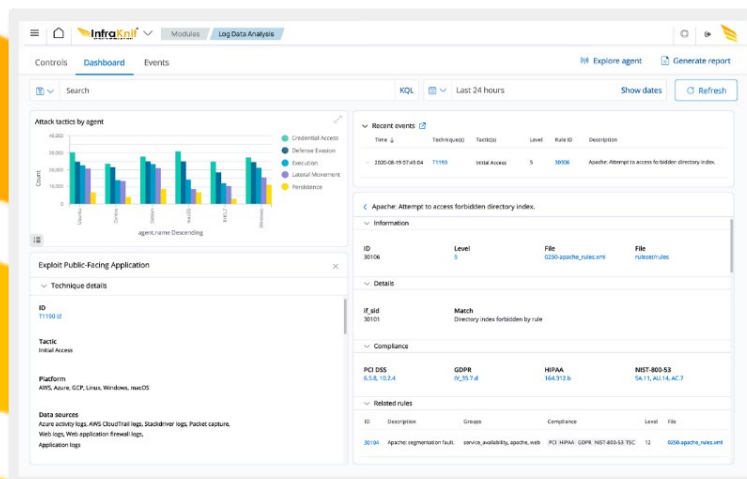
- Remote access via Telnet / SSH to target CLI-based Network Devices
- Single click detects, compare & alert on changes based on which decision could be made for rollback or implementation of changes
- Support rollback to a previous configuration
- Support multiple commands with multiple parameters at a time for individual location
- Multi lingual (per user)
- Support multiple commands with multiple parameters at a time for individual location
- Synchronous or asynchronous automated email notifications
- Management of user profiles
- Able to track and detect any configuration changes and alert accordingly.
- Capacity management. Subnet occupancy rates are displayed and alarms can be generated when user defined threshold are reached
- Sync at any point of time between NMS and NCCM either by pointing same CMDB instance or on real-time basis synchronization
- Correlation between faults, TCAs and the configuration changes on real time basis and Root Cause Alerts generation.
- Support different levels of severity or urgency (for example, critical, severe or warning)

- Full history of modifications
- Store a complete audit trail of configuration changes
- Global parameters specific to each organisation
- provide a single sign on (SSO) feature for specific users, once enabled these users will be able to log in to the device(s) directly from NCCM tool.
- Follow an approval-based system wherein changes can be performed only after required approvals are passed
- Subnet management
- Resizing functions (split, shrink, expand) for subnet blocks and subnets)
- Option to integrate with Change Management module of other ITSM tools for the approval process
- Authorization through a centralized control model to Manage device access



## A comprehensive SIEM solution

The **InfraKnit Security Information and Event Management (SIEM)** solution is a centralized platform for aggregating and analyzing telemetry in real time for threat detection and compliance. **InfraKnit** SIEM collects event data from various sources like endpoints, network devices, cloud workloads, and applications for broader security coverage.

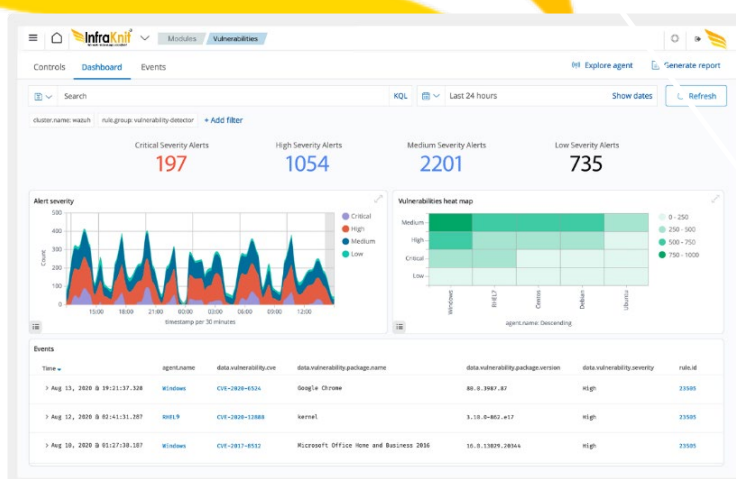


## Capabilities



### Security Log Analysis

Protect your infrastructure and meet regulatory compliance by monitoring and auditing endpoint activity. **InfraKnit** aggregates, stores, and analyzes security event data to identify anomalies or indicators of compromise. The SIEM platform adds contextual information to alerts to expedite investigations and reduce average response time.



### Vulnerability Detection

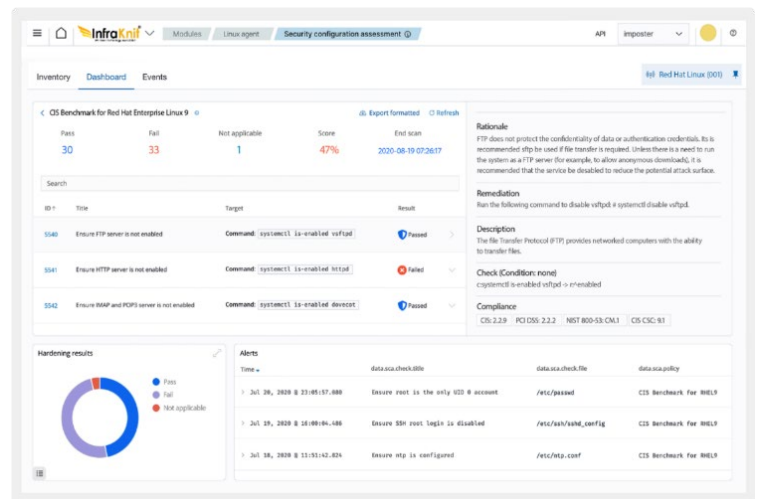
Detect vulnerabilities on monitored endpoints where you deploy the **InfraKnit** agent. **InfraKnit** prioritizes identified vulnerabilities to speed up your decision-making and remediation process. The **InfraKnit** vulnerability detection capability ensures you meet regulatory compliance requirements while reducing your attack surface.





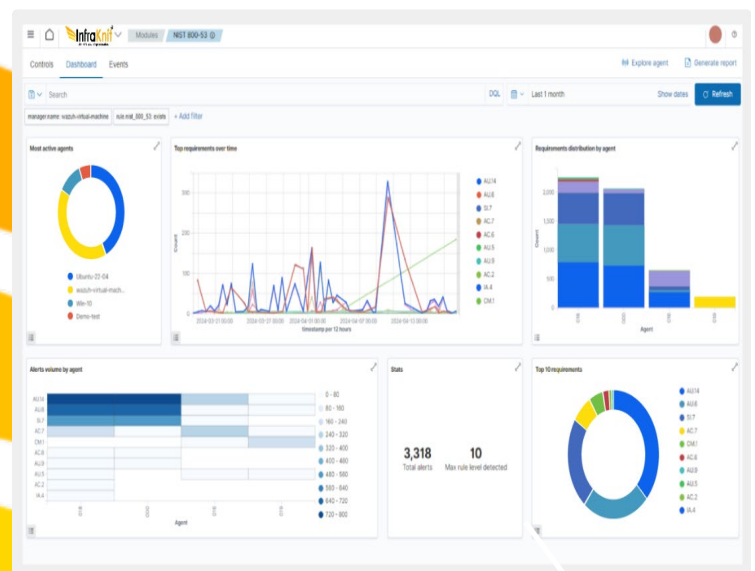
## Security Configuration Assessment

Leverage the **InfraKnit** SCA capability to identify misconfigurations and security flaws in your infrastructure. **InfraKnit** scans your systems against the Center for Internet Security (CIS) benchmark to allow you to identify and remediate the vulnerabilities, misconfigurations, or deviations from best practices and security standards.



## Regulatory Compliance

Simplify the process of meeting all regulatory compliance requirements by using **InfraKnit**. This helps you track and demonstrate compliance with various regulatory frameworks such as PCI DSS, NIST 800-53, GDPR, TSC SOC2, and HIPAA.

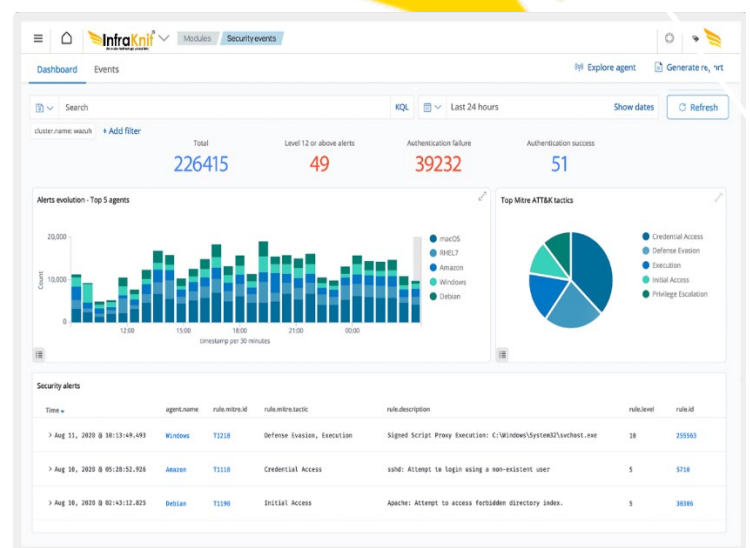


## Features



### Alerting and Notification

Receive real-time alerts and notifications when security incidents occur. **InfraKnit** correlates events from multiple sources, integrates threat intelligence feeds, and provides customizable dashboards and reports. You can customize alerts to meet specific requirements. This allows security teams to respond quickly to threats and minimize the impact of security incidents.



## Reporting insights from SIEM events

Generate insightful reports that provide high-level analysis of security events. **InfraKnit** allows you to generate comprehensive, actionable information that meets your unique needs. You can use **InfraKnit** reports to demonstrate compliance with various regulations and standards.