Nectus

Next Generation of IT Infrastructure Monitoring

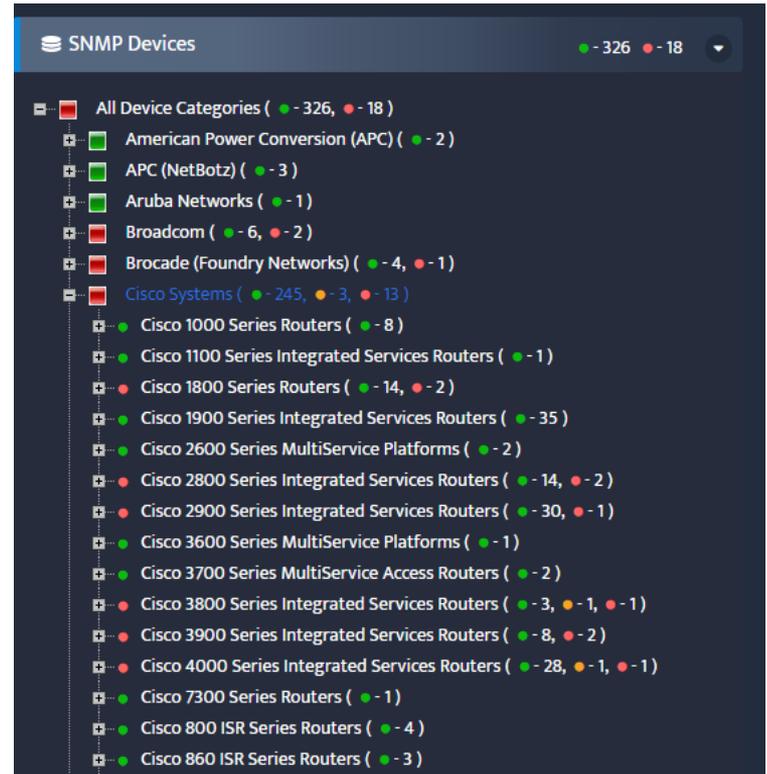November 2025   www.nectus5.com

Network Discovery

Features

- Support for 1200 hardware vendors
- Fastest discovery engine (10.0.0.0/8 under 2 hours)
- Device classification by Vendor, Category and Platform
- Discovery for Linecards, Power supplies, Fans, SFP, etc..
- Discovery for Interconnections (CDP and LLDP)
- S/N collection for Cisco SmartNet Verification
- Discovery of VPN Tunnels and BGP Sessions
- Discovery of Wireless controllers and APs

SNMP Devices — 326, 18

All Device Categories (● - 326, ● - 18)
- American Power Conversion (APC) (● - 2)
- APC (NetBotz) (● - 3)
- Aruba Networks (● - 1)
- Broadcom (● - 6, ● - 2)
- Brocade (Foundry Networks) (● - 4, ● - 1)
- Cisco Systems (● - 245, ● - 3, ● - 13)
  - Cisco 1000 Series Routers (● - 8)
  - Cisco 1100 Series Integrated Services Routers (● - 1)
  - Cisco 1800 Series Routers (● - 14, ● - 2)
  - Cisco 1900 Series Integrated Services Routers (● - 35)
  - Cisco 2600 Series MultiService Platforms (● - 2)
  - Cisco 2800 Series Integrated Services Routers (● - 14, ● - 2)
  - Cisco 2900 Series Integrated Services Routers (● - 30, ● - 1)
  - Cisco 3600 Series MultiService Platforms (● - 1)
  - Cisco 3700 Series MultiService Access Routers (● - 2)
  - Cisco 3800 Series Integrated Services Routers (● - 3, ● - 1, ● - 1)
  - Cisco 3900 Series Integrated Services Routers (● - 8, ● - 2)
  - Cisco 4000 Series Integrated Services Routers (● - 28, ● - 1, ● - 1)
  - Cisco 7300 Series Routers (● - 1)
  - Cisco 800 ISR Series Routers (● - 4)
  - Cisco 860 ISR Series Routers (● - 3)

Network Performance Monitoring

Features

- UP/DOWN Status for all devices and Interfaces
- Custom Monitoring Profiles for different device types
- CPU/RAM Utilization Levels
- ICMP/SNMP Latency Monitoring and Alerting
- Traffic Volume, Utilization, Errors, Dropped Packets
- SNMP Traps collection and Alerting
- Email/SMS/Syslog Alerting on Predefined Thresholds
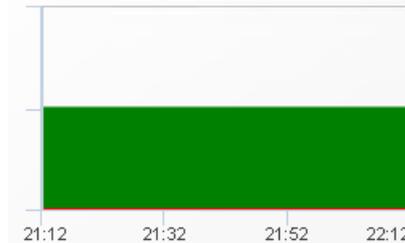- ServiceNow Integration for Incident Creation

Network Topology Mapping

Features

- Fastest topology mapping on the market
- Overlays real time monitoring data directly on topology
- Custom device icons
- Fully Interactive
- Export to Visio
- Support for L2 and L3 Topology Mapping
- Unlimited concurrent users
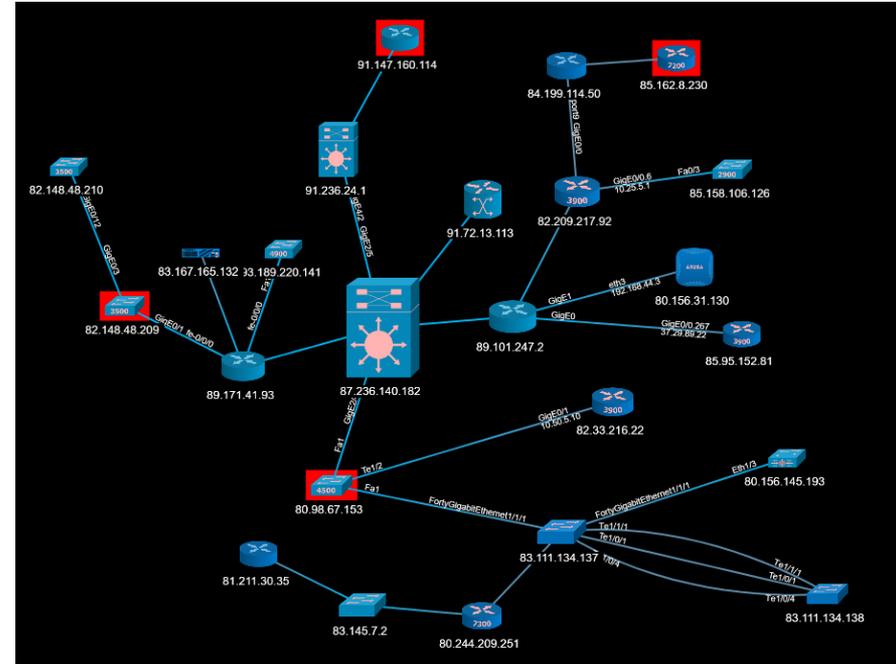
Datacenter Design and Rack Elevation

Features

- 3D Datacenter floor layout
- Keep track of rack elevation
- Custom device icons
- Temperature and Power consumption visualization for racks
- Fully Interactive
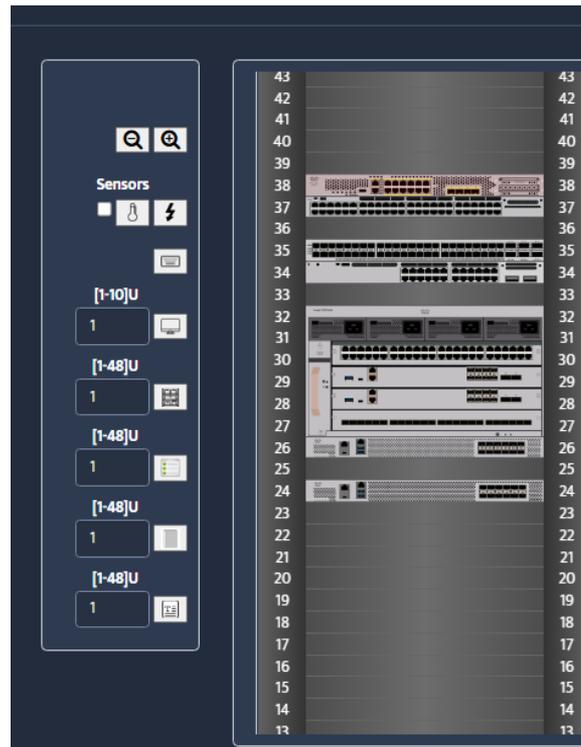
Application Monitoring

Features

- Monitoring for HTTP based applications
- Monitoring for Mail Servers
- Monitoring for DNS , NTP Servers
- Monitoring for SSL Certificate Expiration
- Monitoring for custom TCP applications
- Monitoring for Latency, Availability

Latency (ms)	Cert. Exp. In	URL
125	479 days	http://uat.bdasites.com/CATSTORE
123	479 days	http://uat.bdasites.com/CONSTELLATIONBEERGEAR
125	479 days	http://uat.bdasites.com/CORONASTORE
121	479 days	http://uat.bdasites.com/CUMMINS
127	479 days	http://uat.bdasites.com/CoronaMerch
126	479 days	http://uat.bdasites.com/DELLEVENTSHOP
118	479 days	http://uat.bdasites.com/FEDEXCOMPANYSTORE
137	479 days	http://uat.bdasites.com/FORDOVAL
127	479 days	http://uat.bdasites.com/FORDOVALCA/FR
133	479 days	http://uat.bdasites.com/FORDTEAMAPPAREL
129	479 days	http://uat.bdasites.com/GESHOP
130	479 days	http://uat.bdasites.com/KENWORTH
3128	479 days	http://uat.bdasites.com/KENWORTHCA

Windows Server Monitoring

Features

- Monitoring of UP/DOWN Status and Latency
- Monitoring of CPU/RAM/Network/Storage metrics
- Monitoring for Individual Services and Process
- Keyword based Event Log Monitoring
- Server-Network Topology Mapping
- Uses WMI Protocol for monitoring
- Monitoring of DHCP Pools
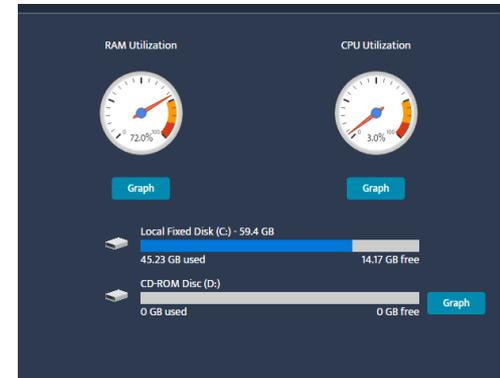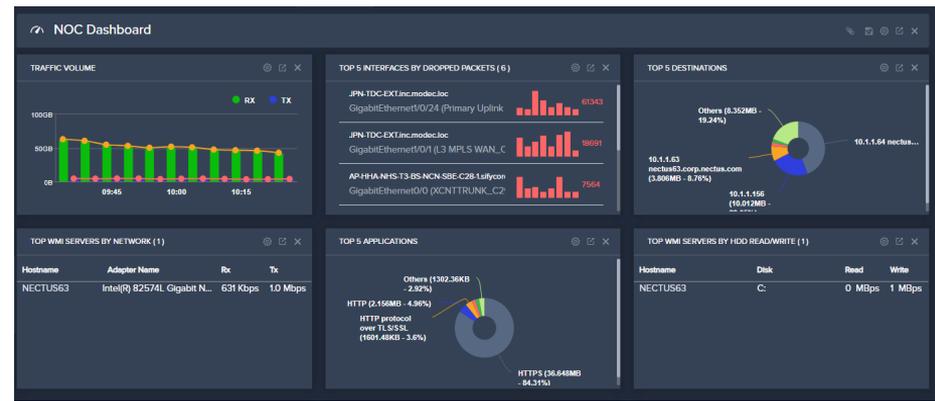
Wireless Monitoring

Features

- Monitoring of on-prem controllers
- Support for Cisco, Aruba, Extreme, Ruckus
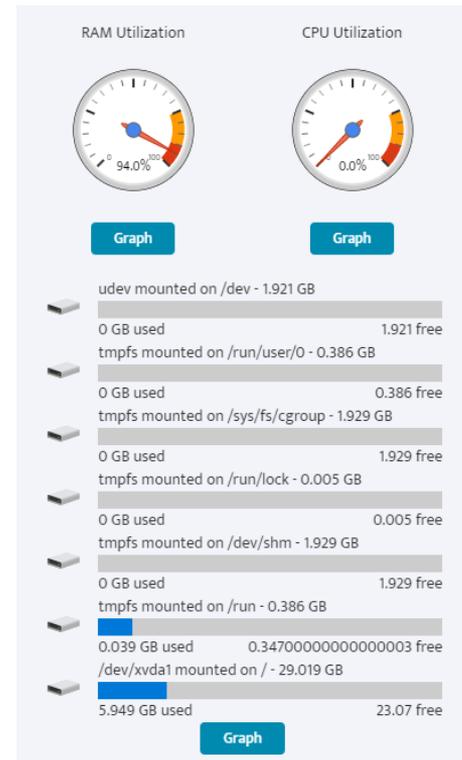- Visualization of Wireless Heat Maps
- Monitoring for Wireless AP

Linux Server Monitoring

Monitoring Metrics

- Monitoring of UP/DOWN Status and Latency
- Monitoring of CPU/RAM/Network/Storage Utilization
- Monitoring for individual Services and Processes
- Agent based Monitoring
- Support for all major Linux distributions

RAM Utilization 94.0%

CPU Utilization 0.0%

Graph

Graph

udev mounted on /dev - 1.921 GB

0 GB used   1.921 free

tmpfs mounted on /run/user/0 - 0.386 GB

0 GB used   0.386 free

tmpfs mounted on /sys/fs/cgroup - 1.929 GB

0 GB used   1.929 free

tmpfs mounted on /run/lock - 0.005 GB

0 GB used   0.005 free

tmpfs mounted on /dev/shm - 1.929 GB

0 GB used   1.929 free

tmpfs mounted on /run - 0.386 GB

0.039 GB used   0.34700000000000003 free

/dev/xvda1 mounted on / - 29.019 GB

5.949 GB used   23.07 free

Graph

VMWare Monitoring

Features

- Monitoring of vCenter, ESX Hosts, Datastores and VMs
- Monitoring for CPU/RAM/Network/Storage Metrics
- Licensed by number of VMs
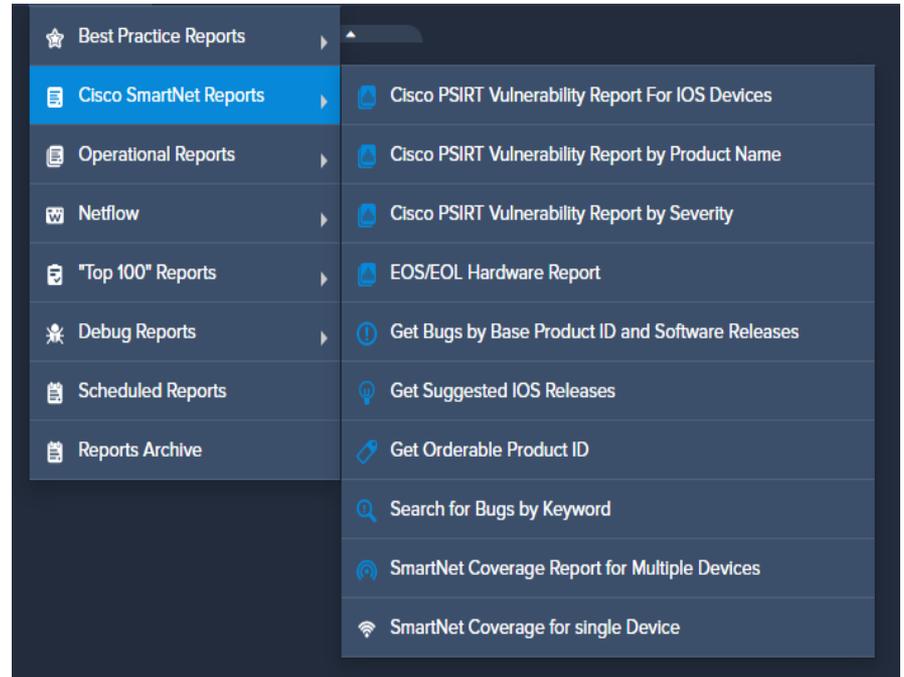- Historical Performance Graphs
- Uses vCenter API
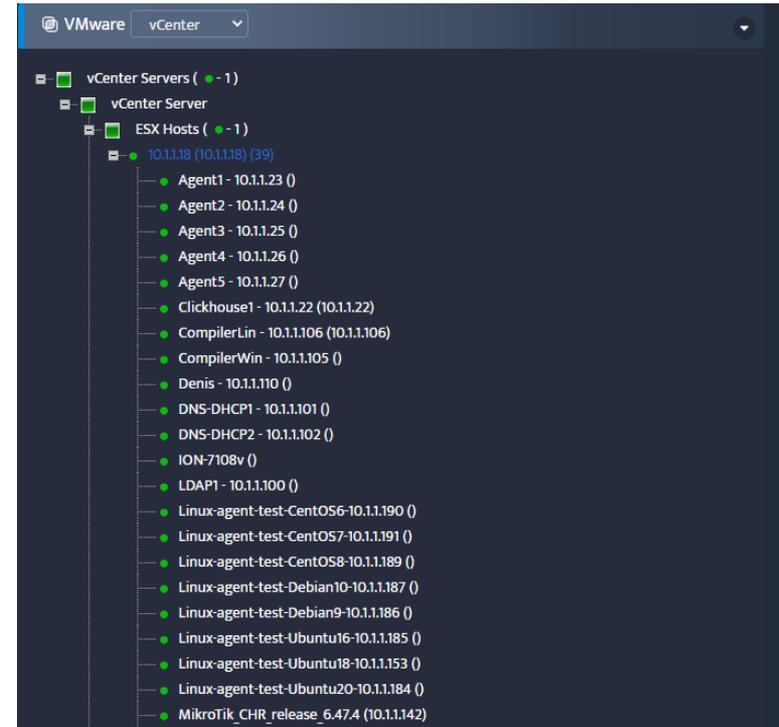
Cisco SmartNet Reports

Features

- Instant SmartNet validation for any Device
- Cisco Bug Search for given platform
- EOS/EOL Status Reporting
- PSIRT Info
- Suggested Cisco IOS releases
- Orderable Product IDs

AWS Monitoring and Backup

Features

- Basic monitoring of EC2 AWS Instances
- Monitoring of CPU/RAM/Storage/Network Metric
- Automated Instance backup (snapshot) creation
- Custom Dashboards
- Licensed based on number of Instances
- Uses AWS standard API

Database Monitoring

Features

- Support for monitoring of Oracle and MS SQL Servers
- Over 100 SQL specific metrics
- Performance monitoring for custom SQL Queries
- Licensing based on DB instances
- Historical data retention for up to 10 Years

NetFlow Collector

Features

- Support for NetFlow, sFlow, cFlow, IPFIX

- Requires separate dedicated VM (Clickhouse DB engine)

- Support for up to 100,000 Flows per second

- Top Apps, Top Protocols, Top Source - Dest IP Pairs

- Top BGP AS Numbers

- Geolocation for all Flows
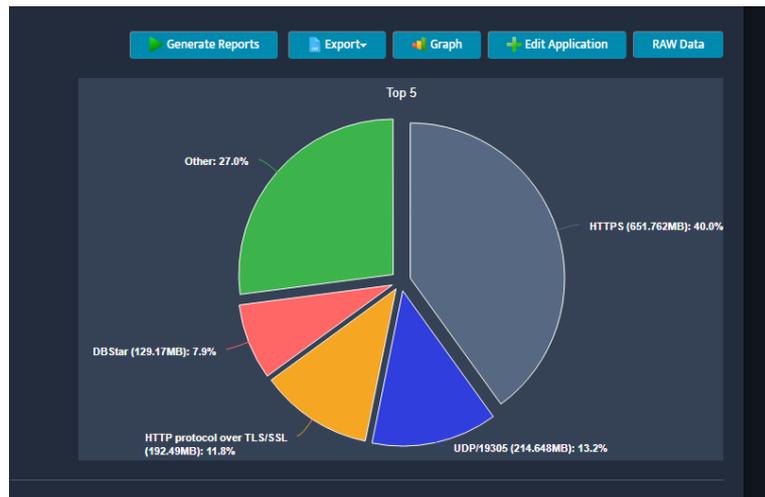
IPAM (IP Address Management)

Features

- Full Integration with existing Windows DHCP/DNS Servers
- Subnet Import from Routing Table or CSV
- Subnet Split/Merge
- Fully VRF/Tenant Aware
- Access via Rest API Interface
- Licensed per number of IP Reservations

Device Configuration Backup and Management

Features

- Automated scheduled backups
- Single click manual backups
- Custom platform-specific scripts
- Push Config changes to devices
- Support for 1200 Vendors
- Configuration Compliance Validation
- Optional off-site backup for configs

Syslog Server

Features

- Unlimited Syslog Storage
- Up to 100,000 messages per second
- Keyword based Alerting
- Blacklisting by Sender IP or Keyword
- Distributed Syslog collectors
- Support for external distributed storage
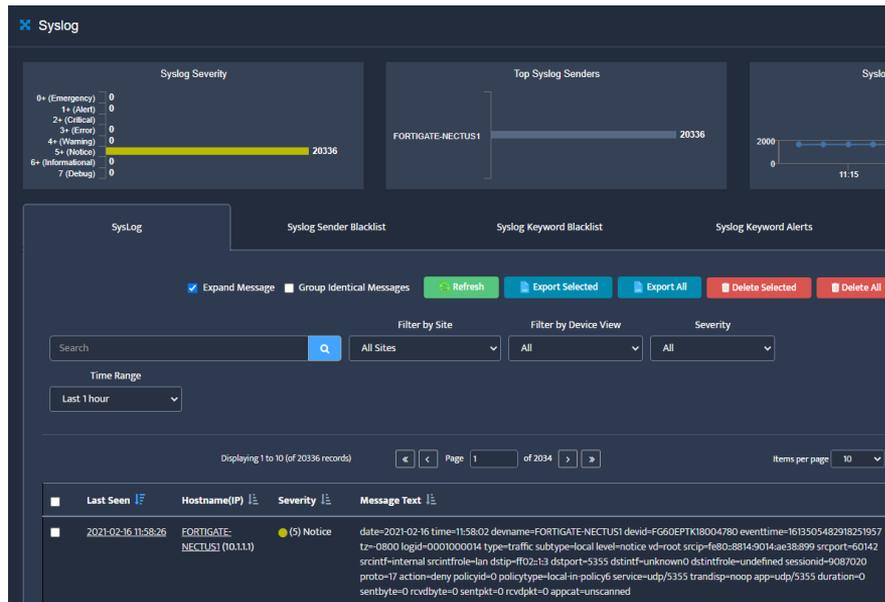
Alerting

Features

- Alerting via Email, SMS or Syslog.
- Unlimited Alert recipients
- Flexible Alert rules based on time of the day
- Text message (SMS) alerts supported with external GSM modem
- Text message (SMS) alerts supported via Email-to-SMS Gateways

Custom Dashboards

Features

- Per-user Dashboards
- Direct Access URL for any dashboard
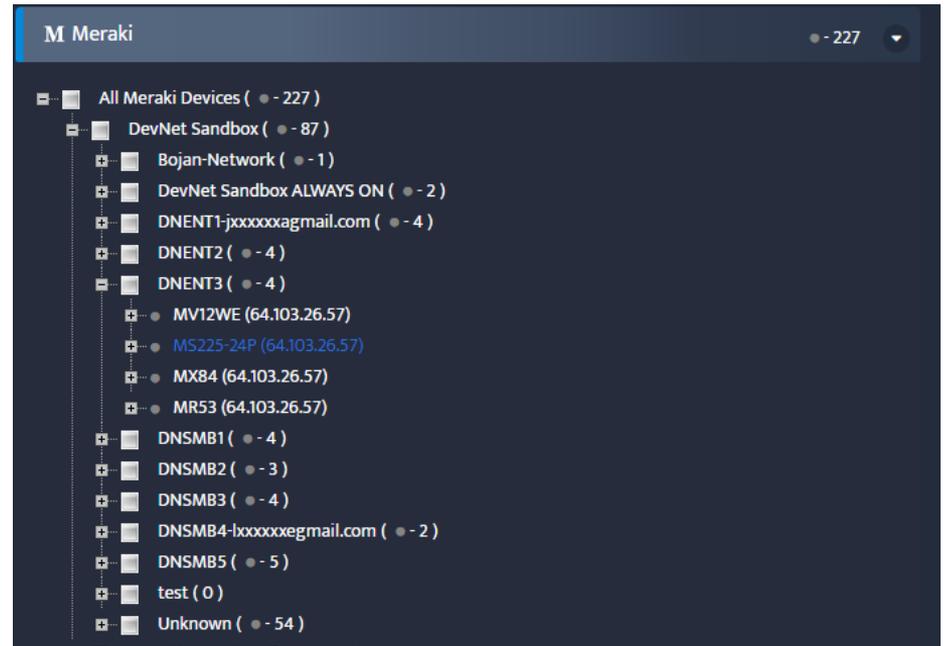- Unlimited number of Widgets
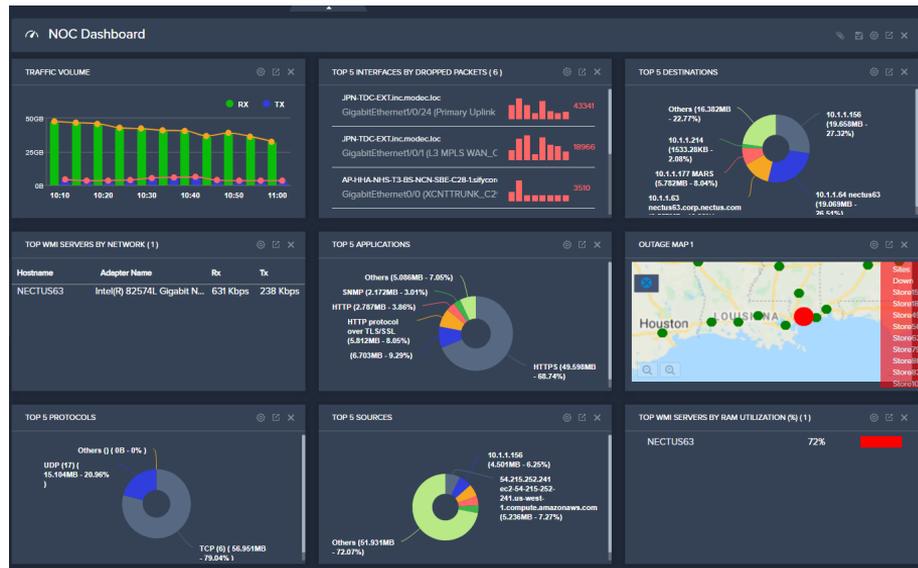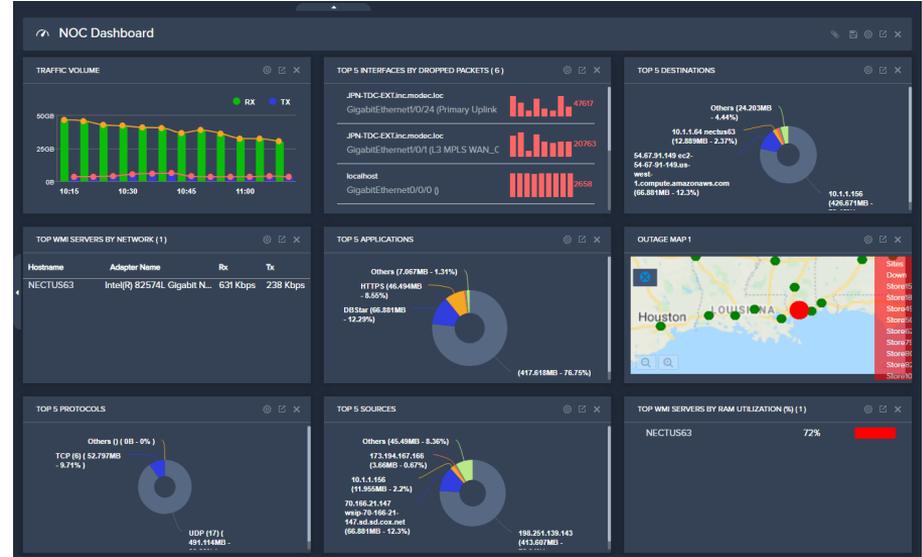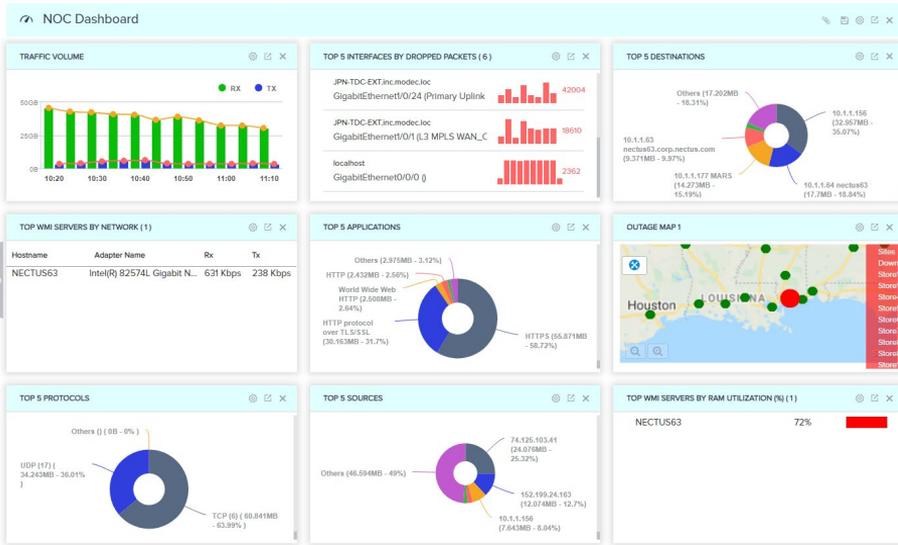
Meraki Dashboard

Features

- Display status of all Meraki Devices

Alternative GUI Color Themes

Best Practice Reports

Features

- Finds Half Duplex Ports

- Finds Not Saved Configs

- Finds Inconsistent DNS

- Finds Mismatching MTU

- Finds Overlapping subnets

- Finds Orphaned ACLs

⭐ Best Practice Reports ▶	📄 DNS Consistency Report
📄 Cisco SmartNet Reports ▶	Devices with Configuration not saved
📄 Operational Reports ▶	Interfaces in Half-Duplex State
📄 Netflow ▶	Interfaces with Admin Status UP, but Operational Status DOWN
📄 "Top 100" Reports ▶	Interfaces with identical IP Address
✳ Debug Reports ▶	L2 SNMP Interconnections with MTU mismatch
📄 Scheduled Reports	L2 connected Interfaces with IP Addresses not on the same subnet
📄 Reports Archive	Orphaned Access Lists
	🕐 Time (NTP) not synced

"Top 100" Reports

Features

- Top 100 Reports by any of the monitored metrics across all monitored infrastructure
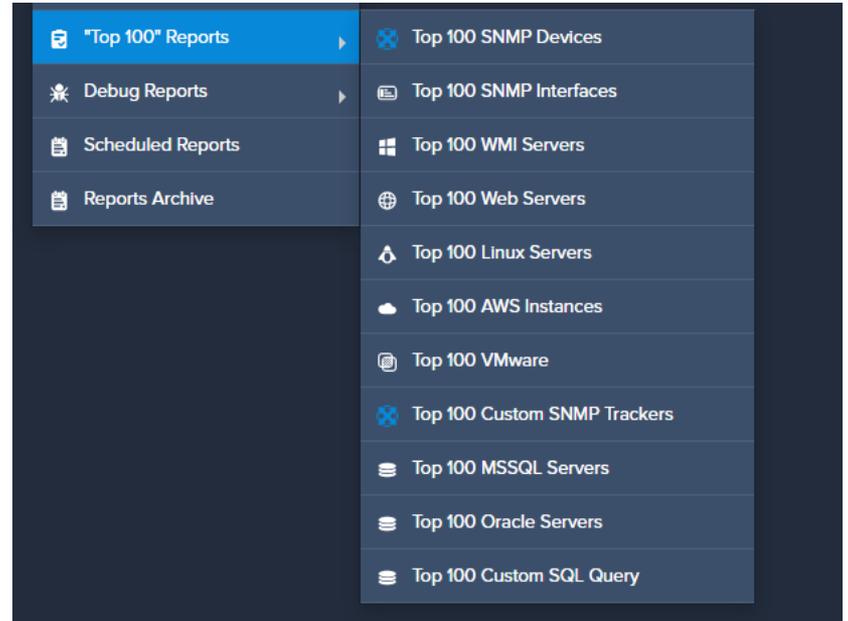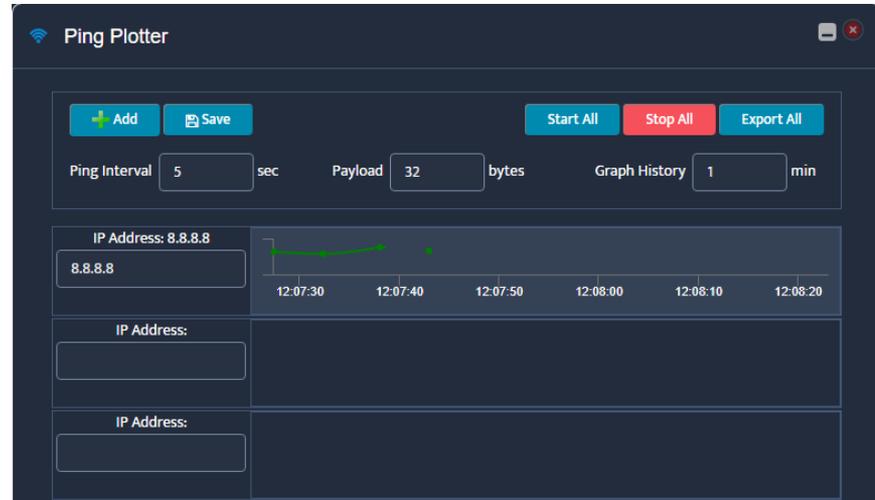
Network Engineer Toolset

Features

- Web based SSH Client
- SNMP Walk
- Ping Plotter
- L3 Path Discovery
- ACL Validation Tools
- CDR/CMR Browser
- Live MAC Address Search
- Telco CircuitDB
- IPAM Import Tools
- Offline inventory database

ServiceNow Integration

Features

- Full CMDB CI Synchronization

- Automatic Alert-based Incident Creation and Closure

Circuit DB

Features

- Database of all Telco circuits owned by customer

- Room/Cage/Rack/Patch Panel info for each Circuit

- Telco contract information and pricing

- Contract expiration reminders

- Real time UP/DOWN Status for all Circuits

Nectus Server Requirements

- Windows Server 2016+ Standalone or VM
- 8GB+ RAM
- 4vCPU
- 500GB HDD

Azure Monitoring

Features

- Basic monitoring of Azure Instances
- Monitoring of CPU/RAM/Storage/Network Metric
- Automated Instance backup (snapshot) creation
- Custom Dashboards
- Licensed based on number of Instances
- Uses Azure standard API