Nuviso Network Configuration and Assessments (NCA)

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Reduce TCO with Accurate & Comprehensive Network Discovery & Inventory

Challenges

- Lists and details of network devices within data centers, campus locations, cloud and remote sites were inaccurate and incomplete
- Device discovery tools from vendors were narrow in scope, missing devices/details from competing vendors
- Network operations team spending too much time and resources on maintaining device lists and archiving configuration details
- Probable overspend on support contracts for devices no longer in operation

Solution

- Inventory tool discovers network devices on premise, in data centers, at remote sites and in the cloud, from all major vendors
- Comprehensive device details captured (model #, OS version, serial number, attributes and services enabled)
- Future configuration changes monitored against “master” for compliance and security

Outcomes

- Network operations team has single source of truth – saving time and resources
- Money saved on support contracts
- Reduced risk of security and compliance gaps and recovery time due to misconfigured devices
- On-going productivity improvements within network operations team

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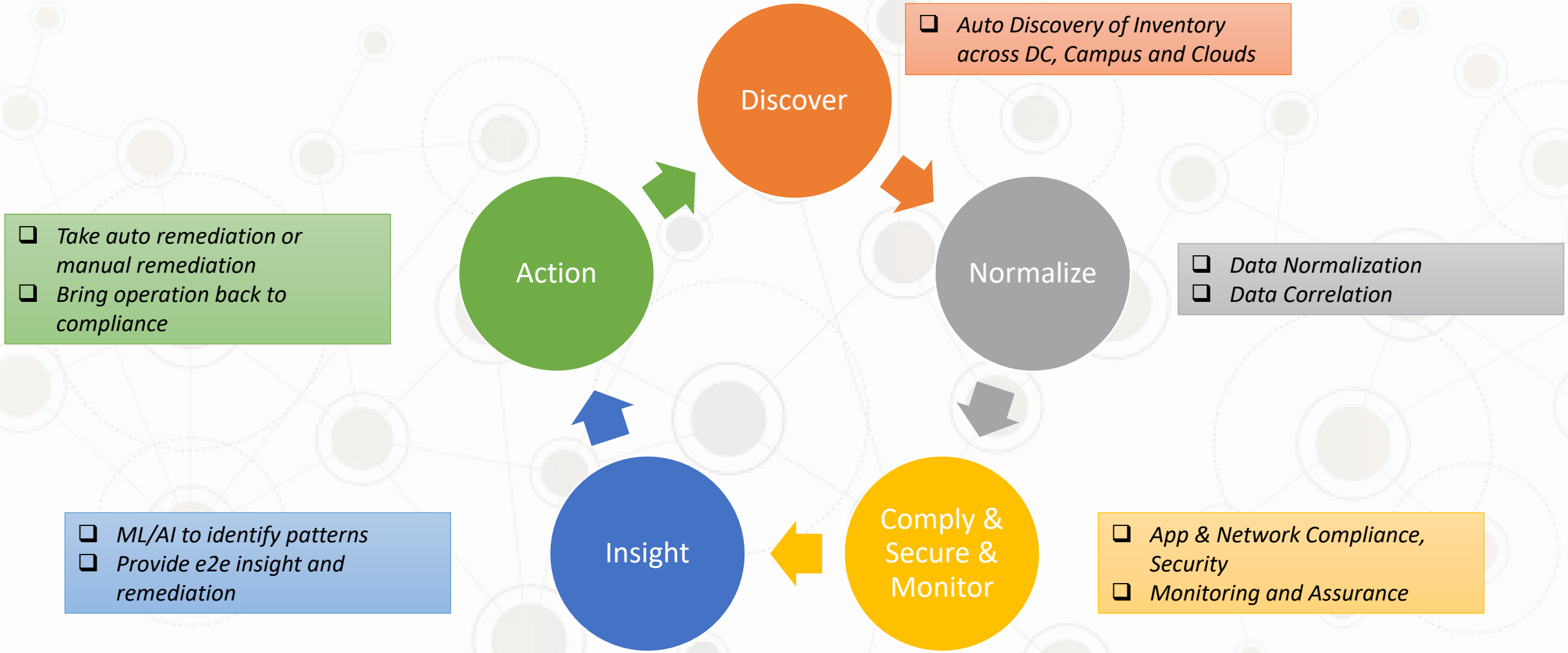
Nuviso Value Proposition for Intelligent Network Services (Nuviso *Power the Net* services)



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Nuviso Product Matrix for *Power the Net* Services

Product	Description	Delivery	Licensing
Nuviso Network Configuration and Assessment (NCA)	Is a simplified software product with scaled-down functionality providing accurate network device discovery, and inventory reports. Key solution for bringing together network operations, configuration management and network services	Software	Part of Professional Services and/or Software installed at customer premise for continuous network and configuration management (Licensing will be based on number of devices that are being managed)

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NCA for Network Assessments

- Automated Discovery of the network infrastructure
- Discovery based on well known protocols
- Multiple discovery mechanisms including IP Addr sweep are included
- Pre-defined data collection based on data sets for Inventory
- Detailed inventory of network including products, serial numbers, interfaces, software, etc.
- On demand data collection
- Easy to use reporting infrastructure
- Multiple export formats for any report

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NCA for Network Assessments

Reasons for assessments

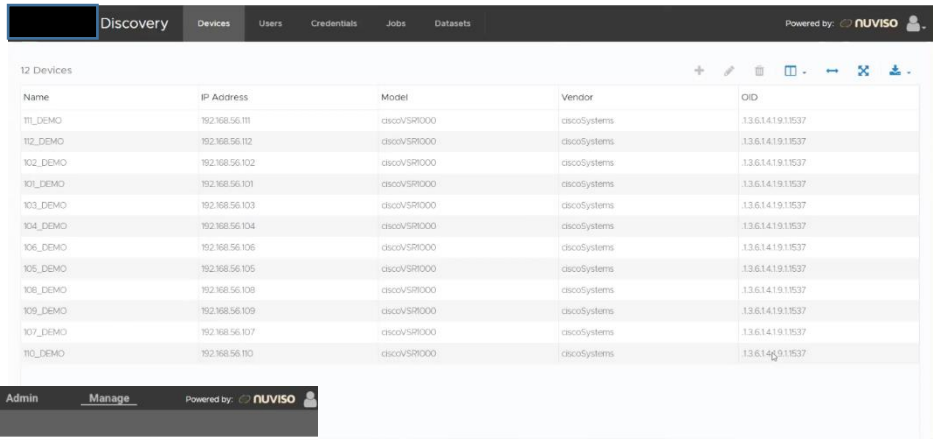
- Identify what is in the network including device/module serial numbers
- Identify devices/modules/software that are past their life cycle
- Collect device data such as interface information, configurations, software versions, etc.
- Identify capabilities of every device (what services can be supportable, etc.)

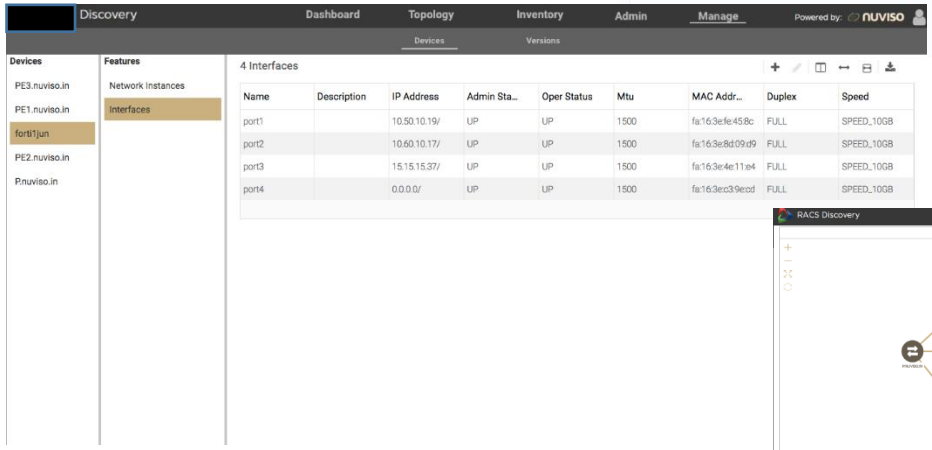
What can be assessed

- Network Devices
- Device Modules & Software
- Device Configurations
- Device/Module Serial Numbers

What does Nuviso Products Provide?

- Complete Network discovery
- Complete Network Inventory





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NCA for Network Baseline and Topology

- Auto Topology generation based on Layer 2
- Multiple topological views (data center, pod, etc.)
- Support for different protocol views (like Layer 3 view)
- Provide base line connectivity information
- Geo tagging of the sites in topology
- Event notifications shown in topology
- Direct access to the device from topology

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NCA Network Baseline and Topology

Reasons for creating base line

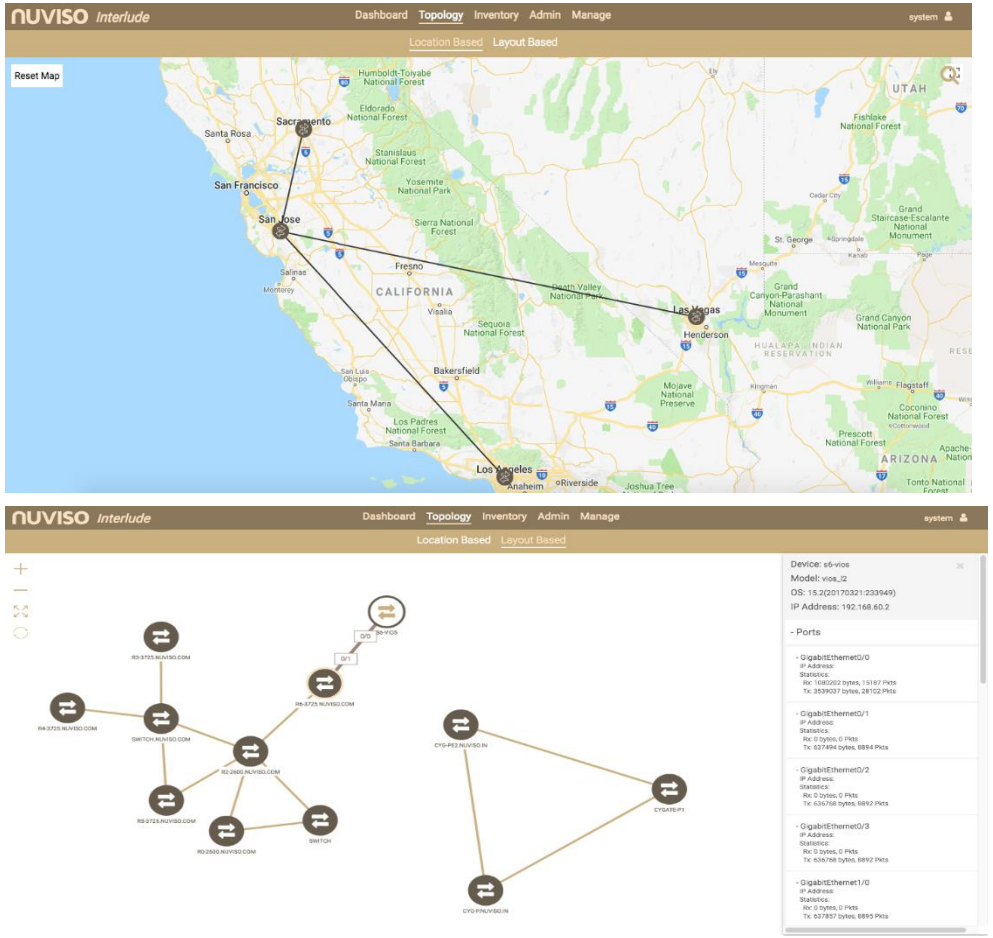
- Identify how the devices are connected
- Identify devices and connections that are not reachable or have problems
- Create multiple topological views based on the location

What can be provided

- Device and Connectivity information
- Basic connectivity topology (L2)
- Identification of problem connections and devices
- Geo tagging of locations/data centers

What does Nuviso Products Provide?

- Complete topology



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NCA for Network Configuration Management

- Collect all the configuration information (both saved and the one in memory)
- View, monitor change and save all configurations
- Report on unsaved configurations
- View configuration differences
- Provide configuration labeling
- Provide configuration intents and assess the network against the intent
- Provide configuration push to the devices (automated or manual)
- Export configuration data for Disaster recovery & Business Continuity
- Bring up new devices with saved configurations faster

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NCA Network Configuration Management

Reasons for configuration management

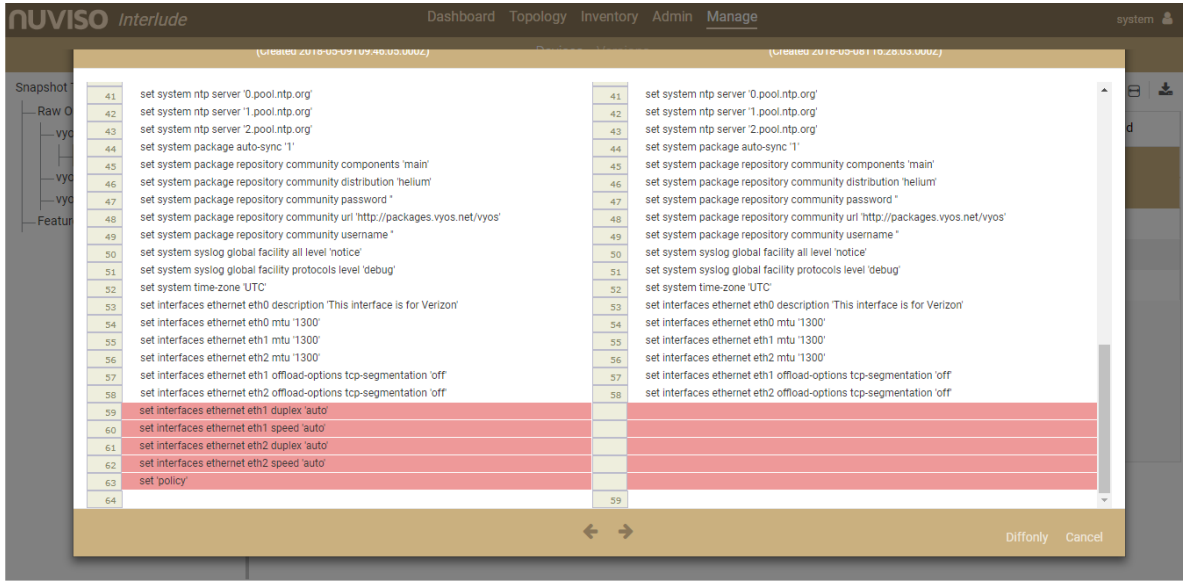
- Identify how the device configuration are set up
- Identify devices where configuration is not saved
- Create a back up of all configurations
- Bring up new devices in place of failed devices faster

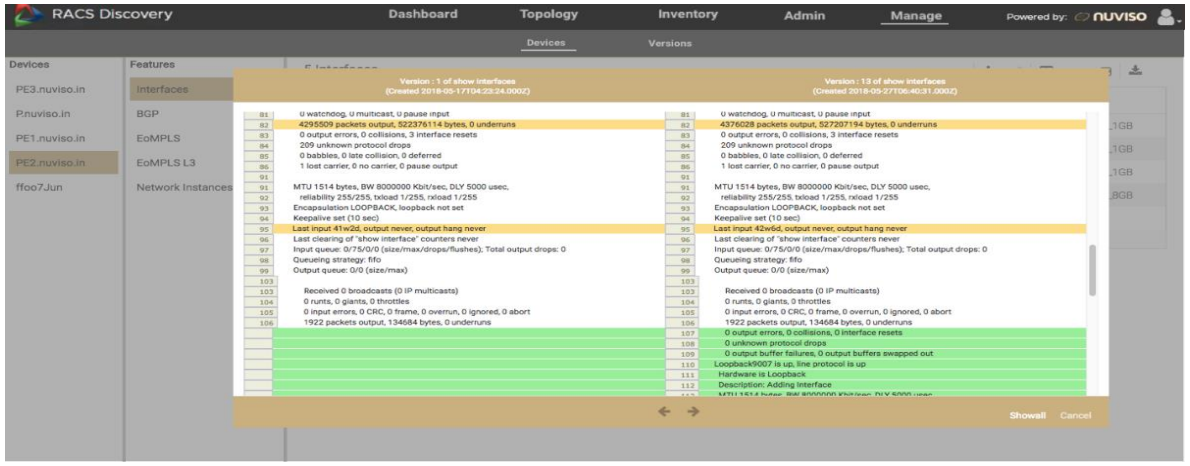
What can be provided

- Every configuration device possess
- All the configuration changes over time
- Configuration templates for pushing configurations across multiple devices
- Intent driven network configurations
- Easier migration of configurations from one device to another, and/or one vendor to another

What does Nuviso Products Provide?

- Complete Configuration Monitoring
- Configuration Management
- Configuration Assurance





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