

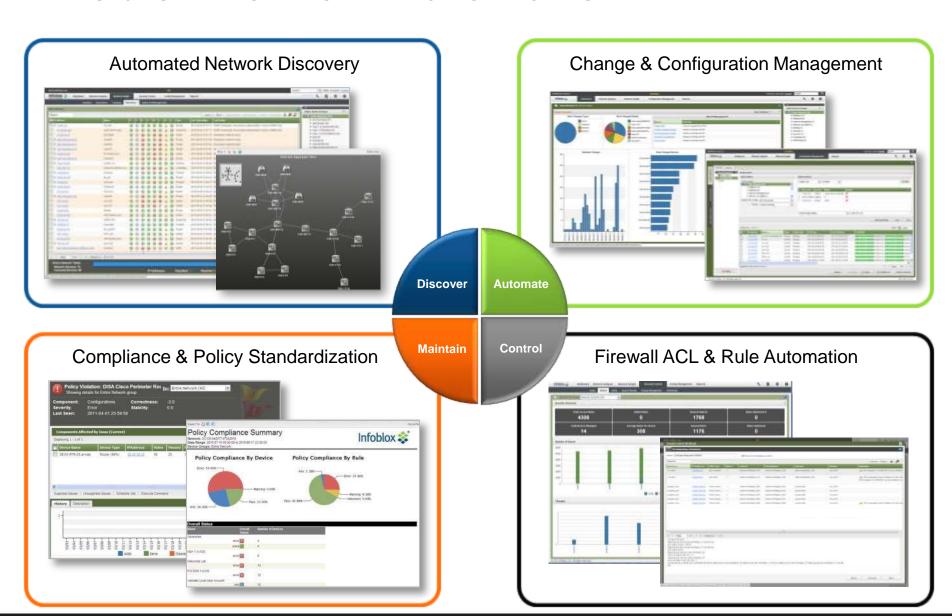


Infoblox Network Automation

Kier Prior-Williams | Calleva Networks Dynamically Controlling Your Network



Infoblox Network Automation



Benefits of Infoblox Network Automation



Reduce risk and provision services faster



Enforce a compliant and standard network



Improve staff efficiency via automation & delegation

What's On and Connected to My Network?

Manual, spreadsheets and/or scanning tools

Often out of date

Tight budgets and stretched teams

- Multi-vendor network devices
- Proliferation of IP devices

Ever-changing questions

- What's on my network?
- Which ports are active?
- Do I need more capacity?
- What device is using which port?
- When & where did they connect?



Network Auto-Discovery

Automatic device discovery

Extensive multivendor support

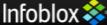
Layer 2 physical & 3 logical data

New device detection

Integrated topology views

Detailed VLAN information





Switch Port Management

Track free vs. available port

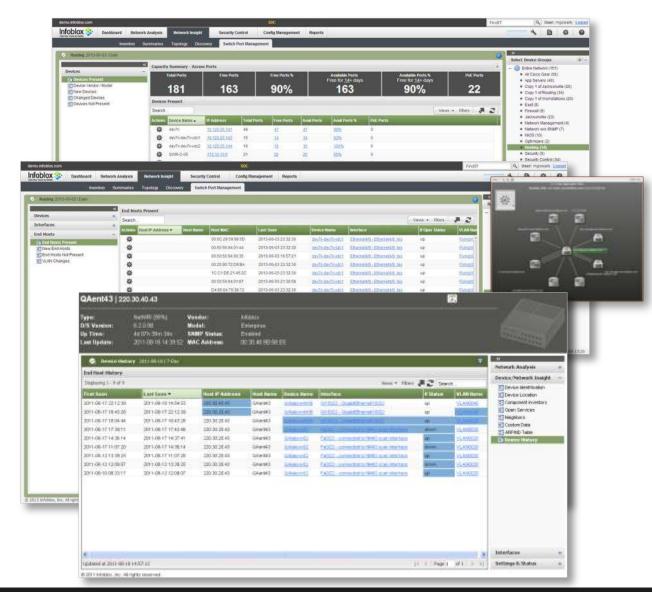
Identify unused ports

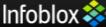
Capacity planning & management

Track connected end-hosts/devices

History of what connected when and where

Track devices/MACs by specific VLANs





Automated IPAM Sync

Integrated with Infoblox IPAM

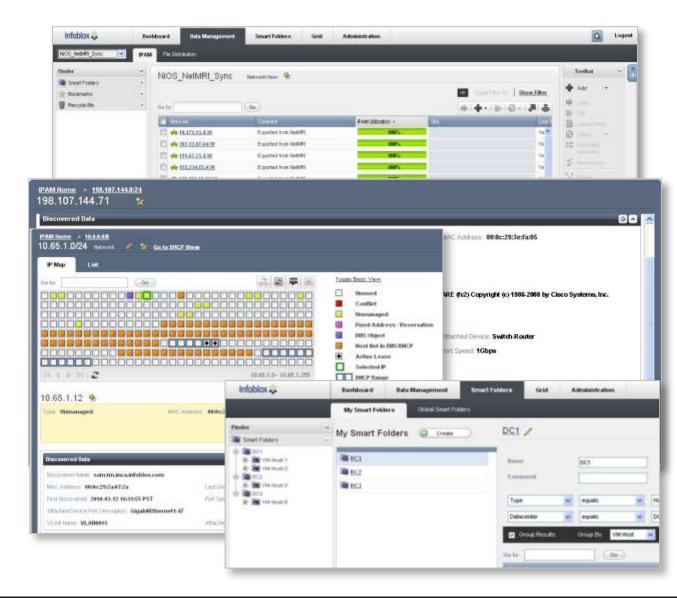
Auto-created networks

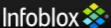
Synced device details within IPAM

IP map correlation

Updated smart folders

All automated – no manual steps





Keeping Up with Daily Changes

Extensive manual processes

- CLI
- Scripting

Limited functionality

- Configuration scrapes
- Basic change automation
- Vendor-specific tools

Minimal control & documentation

- Limited work-flow
- Admin or nothing access rights
- Massive files require extensive manual digging and compiling



Change Management



Automatic change detection

Accurate job flow and control

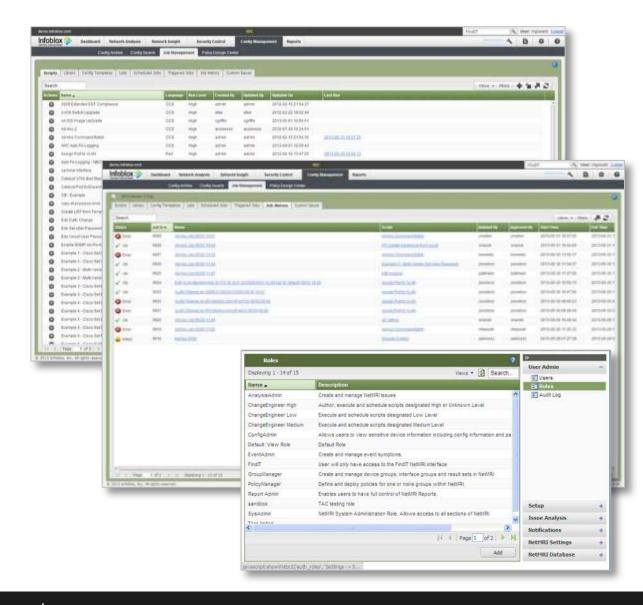
Every change at fingertips

Saved historical configurations

Simple side by side comparisons

Powerful configuration search

Change Automation



Embedded jobs and scripts

Templates for easy customization

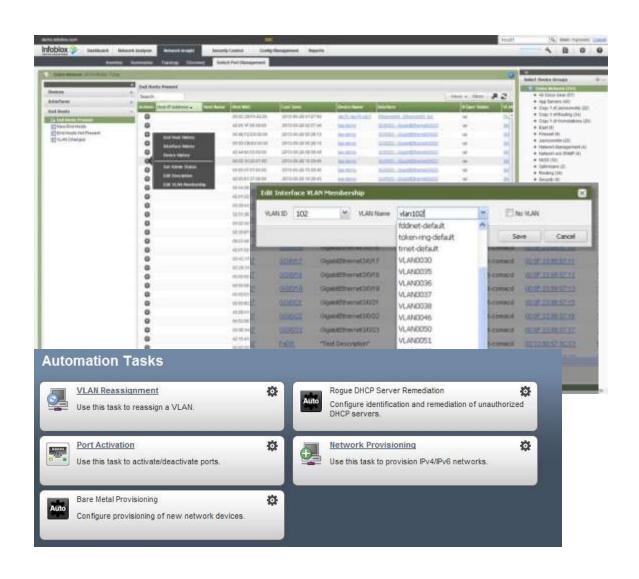
Easily import existing Perl scripts

Powerful variablebased jobs

User-based, role access controls

Scheduled and triggered jobs

Intuitive Change Control



Simplified switch port changes

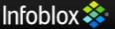
Strong user access rights

Network tasks within NIOS GUI

Enable single touch for common changes

User initiated and triggered tasks

Automatic detailed updates and sync



Is My Network Still Compliant?

Different drivers

- External mandates
- Internal security policies
- Networking best practices

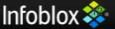
Typically reactive

- When something breaks
- When audit is required

Manually intensive

- Massive log files
- CLI access
- Manually collect, aggregate, tabulate and present findings





Policy and Compliance Management

Embedded compliance rules

Customizable best practice templates

Manage multiple policies

Proactive violation detected

Multiple remediation options

Current and historical views



Configuration Analysis

Unique pre-packaged expertise

Identifies common misconfigurations

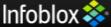
Customizable alerting

Recommended remediation options

Understand concept of the network

Network Scorecard views





Powerful Reporting

Single-click compliance reports

Pre-packaged and customizable

Powerful filtering

Executive and detailed reports

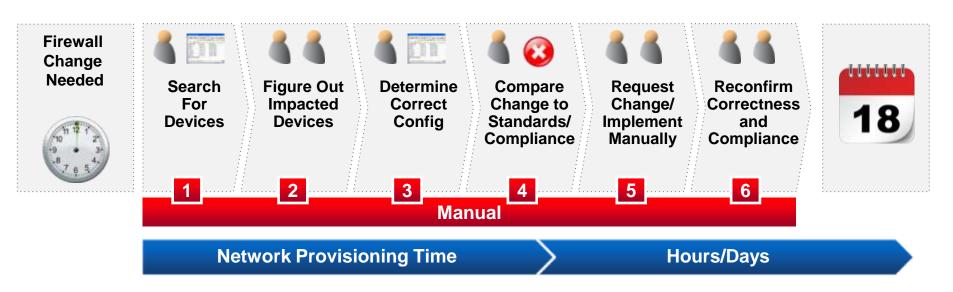
On-demand or scheduled

User-based view rights



So Many Firewall Changes – So Little Time

- Spike in number of security policy changes
- IT headcount not keeping pace
- Multiple point products add confusion
- Network SLAs impacted negatively
- Expensive and diminishes security effectiveness



LEGACY APPROACH TO FIREWALL POLICY CHANGE IMPLEMENTATION



Rule and ACL Analysis



Built-in multi-vendor expertise

Automatic alerts of common issues

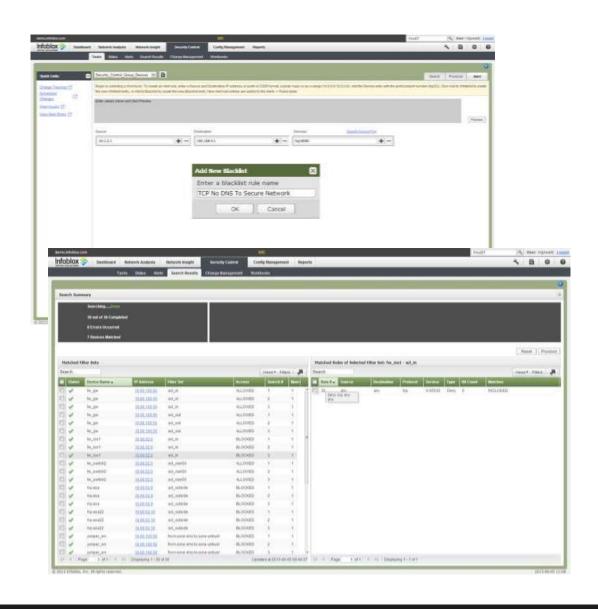
Continuous monitoring

Finds hidden, over-lapping & duplicates

Automated discovery

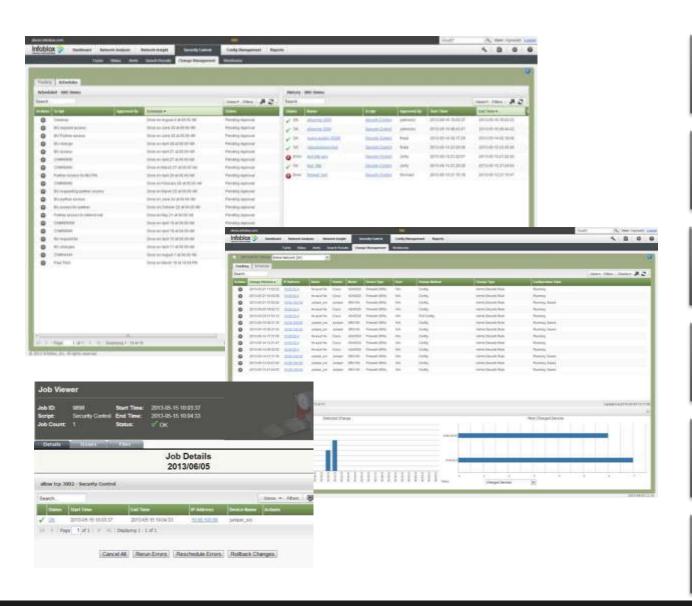
Topology path views

Search and Alerting





Integrated Provisioning



Integrated provisioning

Creates vendorspecific syntax

Push changes to one or multiple devices

User-based access controls

Testing and rollback options

Change monitoring and tracking

Taking Automation to the Next Level

Dynamic

Improve capabilities with dynamic value look ups

Topology

 Better configurations based on understanding neighbours

Control

 Maintain control with role-based access and rights

Flexibility

Reduce time with multi-device coordinated change

Ease of use

 Eliminate scripts by leveraging intuitive GUI across multiple vendors and devices

Next steps

- More info: Request further information
- Evaluate: Take the Infoblox product portfolio for a test drive

Thank You

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