



Business Benefits

Get Detailed Visibility across the Network. Discover all layer-2 and layer-3 devices, end-hosts, connectivity, switch-port, and VLAN data. See into VRF and NAT'd space.

Improve Operational Efficiency.

- Automate controls to improve workflow cadence.
- Allocate IP addresses and ports from a single UI.
- Directly control port administration status.

Better Manage IT Resources.

Use built-in controls and automatic auditing to delegate and free up high-paid human resources for more strategic work.

Reduce Service Interruption Risk

- Easily validate network designs.
- Easily identify misconfigured networks, switches, and misplaced servers.

Efficient Network Expansion.

Handle M & A without network outages from overlapping IP addresses, lost knowledge, or missing network architecture documentation.

Cross-Functional Harmony.

When security, server, and network teams share trusted data they can make quick, reliable decisions, delegate tasks, and eliminate departmental dependencies.

VISIBILITY...EFFICIENCY...CONTROL!

Infoblox Authoritative IPAM with Network Insight takes managing core network services to a new level.

Authoritative IPAM with Network Insight

Infoblox Network Insight, a key component of the Authoritative IPAM solution, brings unprecedented visibility to IPAM and enables integrated workflows that are shorter, more accurate, and based on a comprehensive collection of network infrastructure data integrated with protocol and IP address data. Authoritative IPAM with Network Insight improves visibility and operational efficiencies, resulting in better resource utilization and lower operational costs.

Gain Unprecedented Visibility into Your Network

Access an authoritative, integrated database of information on protocol, IP address, network infrastructure device, end-host, connectivity, and port data for both physical and virtual elements—breaking down operational silos in IT. The collection and correlation of this data provides unprecedented visibility, helping administrators easily gather information, analyze it, then take the appropriate actions to better manage their networks, validate designs, and effectively provision, troubleshoot, and deliver network services. Comprehensive network discovery reduces security and service interruption risk through the detection of rogue devices, errors, and unmanaged devices and networks that go unseen in standard IPAM tools. Network Insight's comprehensive inventory of switch ports makes port-resource management easy.

Vastly Improve Operational Efficiencies

Streamline operations with integrated workflows. Provision, troubleshoot, and remediate errors, and manage and control switch ports from a single UI. Authoritative IPAM's aggregated collection of network data improves decision-making and network operations by delivering actionable information, automation, and controls. Granular role-based administration, coupled with automation and control, enables IT teams to delegate tasks to less-expensive human resources such as support teams in order to free up expensive resources for more strategic engagements.

Leverage Automation and Control

Use built-in controls to ensure that your network is connected and running just the way you designed it. Compare planned changes with discovered results. Authoritative IPAM's single source of network infrastructure, end-host, connectivity, and core network services data delivers more efficient workflows across IT teams, reducing time, effort, and errors. Automatic detection of IP address and port usage information improves accuracy. A conflict is flagged when a reserved port or IP address is discovered to be associated with something other than what the original reservation called for. Such accurate data supports "Use next" for ports and IP addresses, making provisioning simple and refined.



Key Product Features

Comprehensive, Tunable Network Discovery

Gathering up-to-date Infrastructure and device data enables the network team to see and take action on networks and devices that are not currently managed within the IPAM database; you can't manage what you don't see. Comprehensive switch-port data refines the management of port resources as well as enabling "Use next available port" and "port reservation" features. Tunable discovery allows network teams to create schedules to "black out" discovery and switch-port operations by network in support of critical uptime and response requirements.

Authoritative Network Database

A single collection point for viewing protocol, network infrastructure (layer-2 and layer-3 devices), end-host, connectivity, switch-port, and all related IP data empowers IT to reduce mean time to repair (MTTR), exclude the network as a root cause, and confidently automate processes.

Integrated Workflows

Network management involves a wide variety of tasks that can be simplified by having access to all the necessary data for getting the work done from a single user interface. Integrating discovery, port control, and permission request features into the workflows for managing core network services, multistep processes that leverage templates, attribute inheritance, and automation help admins perform more efficiently with the necessary checks and balances that ensure accuracy

Grid Member

Trinzic Appliances for IPAM and Network Insight's Network Data (ND) Appliances are fully integrated Infoblox Grid™ members. Grid appliances are linked using sophisticated distributed database technology. This unified system provides a single point of management, seamless updates with zero downtime, with built-in security and resiliency.

Device Tab in the DDI GUI

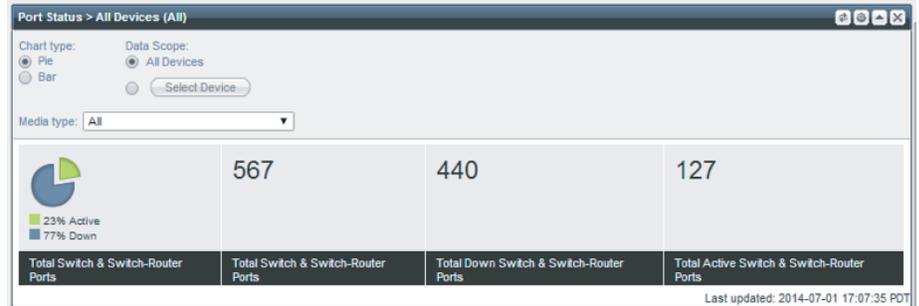
The Device Tab in the DDI interface displays all level-2 and level-3 devices along with all the important parameters. By selecting a device, users can drill down to see the interfaces, networks, IP addresses, ports, VLANs, and end hosts associated with it.

IP Address	Name	Type	Model	Vendor	Device Version	Location	Description
10.60.0.0	unknown	Router					
10.60.0.11	unknown	VoIP Gateway					
10.60.0.12	lme-3750-4f-p...	Switch	catalyst37xxStack	Cisco	12.2(55)SE3		Cisco IOS Software, C3750E Software (C...
10.60.30.1	cons.lme.lme.j...	Switch-Router	cat6506	Cisco	12.2(17d)SXB10		Cisco Internetwork Operating System Soft...
10.60.30.10	infoblox.locald...	vNIOS	IB-VM-2220	Infoblox	6.9.0	Unknown	Infoblox IB-VM-2220 NIOS Version 6.9.0
10.60.30.11	anm.infoblox.s...	vNIOS	ND-V2200	Infoblox	6.9.0	Unknown	Infoblox ND-V2200 NIOS Version 6.9.0
10.60.30.12	anp1.infoblox...	vNIOS	ND-V1400	Infoblox	6.9.0	Unknown	Infoblox ND-V1400 NIOS Version 6.9.0
10.60.30.13	anp2.infoblox...	vNIOS	ND-V1400	Infoblox	6.9.0	Unknown	Infoblox ND-V1400 NIOS Version 6.9.0
10.60.30.14	m1.infoblox.com	vNIOS	IB-VM-810	Infoblox	6.9.0	Unknown	Infoblox IB-VM-810 NIOS Version 6.9.0
10.60.30.15	anp3.infoblox...	vNIOS	ND-V1400	Infoblox	6.9.0	Unknown	Infoblox ND-V1400 NIOS Version 6.9.0
10.60.30.200	unknown	Switch	PowerConnect ...	Dell	3.3.3.3		PowerConnect 6248, 3.3.3.3, VxWorks 6.5
10.60.30.210	junos-rack2	Switch-Router	EX4200	Juniper	10.2R1.8	rack403	Juniper Networks, Inc. ex4200-48t interne...
10.66.71.1	SKO13-3c	Switch-Router	catalyst37xxStack	Cisco	12.2(53)SE2		Cisco IOS Software, C3750E Software (C...
10.66.71.2	test-switch	Switch	cat29xxStack	Cisco	12.2(55)SE2		Cisco IOS Software, C2960S Software (C...
10.66.72.1	unknown	Router					
10.66.100.53	unknown	Router					
10.120.18.45	demoqm1	NetMRI	IB-1420	Infoblox	6.8.1	Santa Clara	Infoblox IB-1420 NIOS Version 6.8.1
10.120.18.47	demo-nxv1000	Switch	N1KV	Cisco	4.2(1)SV2(2.1)	PAIX-3-1321	Cisco NX-OS(tm) nexus, Software (nexus...
10.120.25.78	unknown	vNIOS					Unknown
10.120.25.79	anp3.com	vNIOS	ND-V1400	Infoblox	6.9.0	Unknown	Infoblox ND-V1400 NIOS Version 6.9.0



Switch-Port Inventory Dashboard Widget

The Infoblox user interface has a variety of dashboard widgets that provide users with a quick overview of situations on their network. Network Insight's comprehensive inventory of switch ports and their current status is shown on the new switch-port dashboard widget—a perfect way to quickly understand the current state of an important network asset.



Network Insight and the Infoblox Reporting Appliance

Network Insight's rich addition to the IPAM database is reported on in various ways. There are four new reports added to the reporting server that provide valuable information on the historical usage of switch ports. Two such reports, Port Capacity by Device and Port Capacity Delta by Device, provide the type of historical information that helps network administrators optimize their switch-port resources.

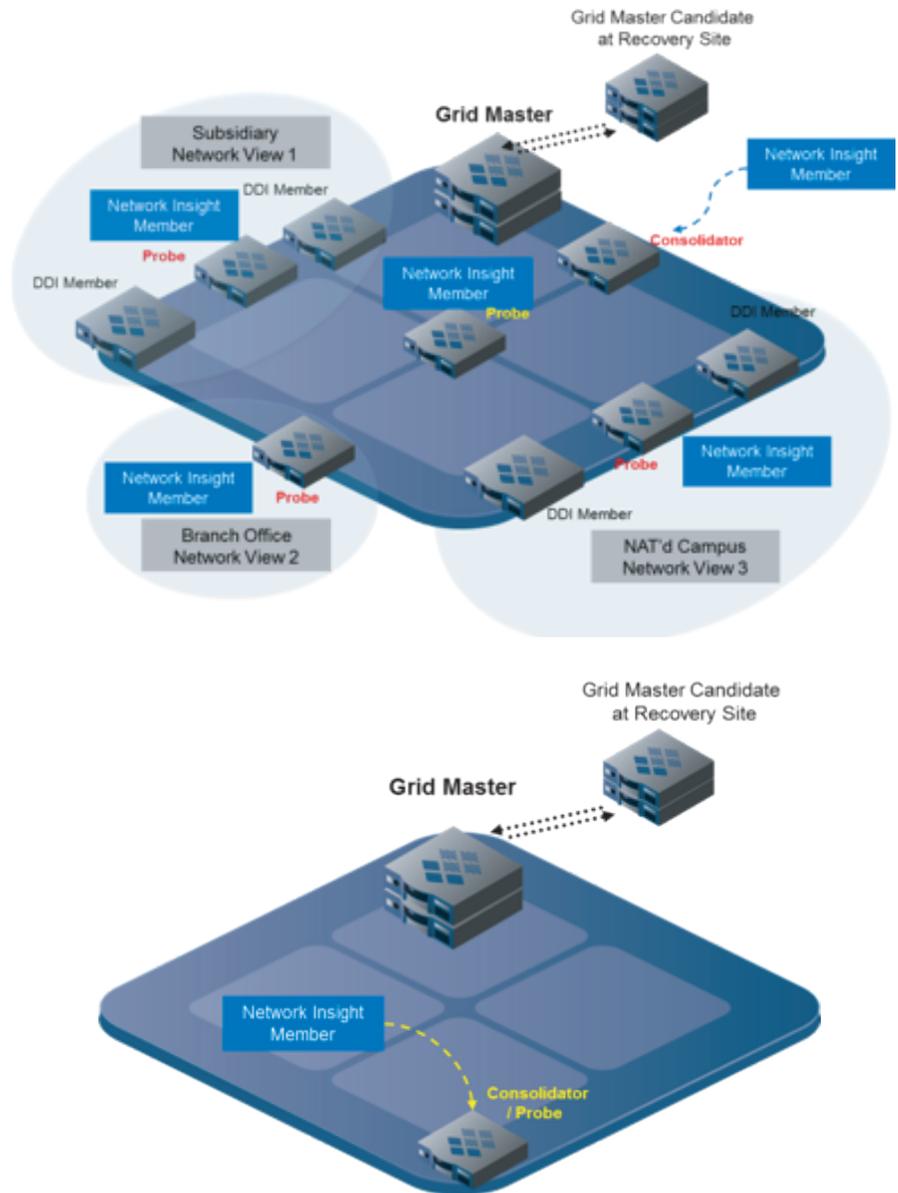
Device Name	Admin-Up/Operation-Up	Admin-Down/Operation-Down	Total Available	Network View
1 FS time.infoblox.com	5	0	1	6 default
2 SK0134c	18	1	36	55 default
3 VWF-Rouler	1	1	0	2 default
4 X460-24r	2	0	29	31 default
5 core.time.infoblox.com	28	1	22	50 default
6 gtn-bill-lab	1	3	0	4 default
7 gtn-memphis-lab	1	3	0	4 default
8 junos-rack2	3	0	48	51 default
9 mt-bill-lab	1	3	0	4 default
10 mt-memphis-lab	1	3	0	4 default

Device Name	Admin-Up/Operation-Up Start	Admin-Up/Operation-Up End	Admin-Down/Operation-Down Start	Admin-Down/Operation-Down End	Admin-Up/Operation-Down Start	Admin-Up/Operation-Down End	Total Available	Network View
1 FS time.infoblox.com	5	5	0	0	1	1	1	6 default
2 SK0134c	18	18	1	1	36	36	55	default
3 VWF-Rouler	1	1	1	1	0	0	2	default
4 X460-24r	2	2	0	0	29	29	31	default
5 core.time.infoblox.com	27	28	1	1	22	22	50	default
6 gtn-bill-lab	1	1	3	3	0	0	4	default
7 gtn-memphis-lab	1	1	3	3	0	0	4	default
8 junos-rack2	3	3	0	0	48	48	51	default
9 mt-bill-lab	1	1	3	3	0	0	4	default
10 mt-memphis-lab	1	1	3	3	0	0	4	default



Flexible Configuration Options to Match Network Strategy

Whether network planners use a centralized approach or a distributed architecture, Network Insight ND Appliances can be configured to fit any networking strategy and are part of the Infoblox Grid. The ND Appliance has two modes: consolidator and probe. A single ND Appliance is by default the consolidator performing both data collection and the storage and compilation of device and network data. When subsequent ND Appliances are added, they become probes. There is only one consolidator ND Appliance on the Grid. Once a network probe has been added, the consolidator's data collection function is disabled but continues to act as centralized storage and compilation of device and network data.



Distributed and Centralized Deployment Options

About Infoblox

Infoblox delivers critical network services that protect Domain Name System (DNS) infrastructure, automate cloud deployments, and increase the reliability of enterprise and service provider networks around the world. As the industry leader in DNS, DHCP, and IP address management, the category known as DDI, Infoblox (www.infoblox.com) reduces the risk and complexity of networking.