

Complete IPAM Visibility Across the Entire Enterprise

Lumeta and Infoblox Integration

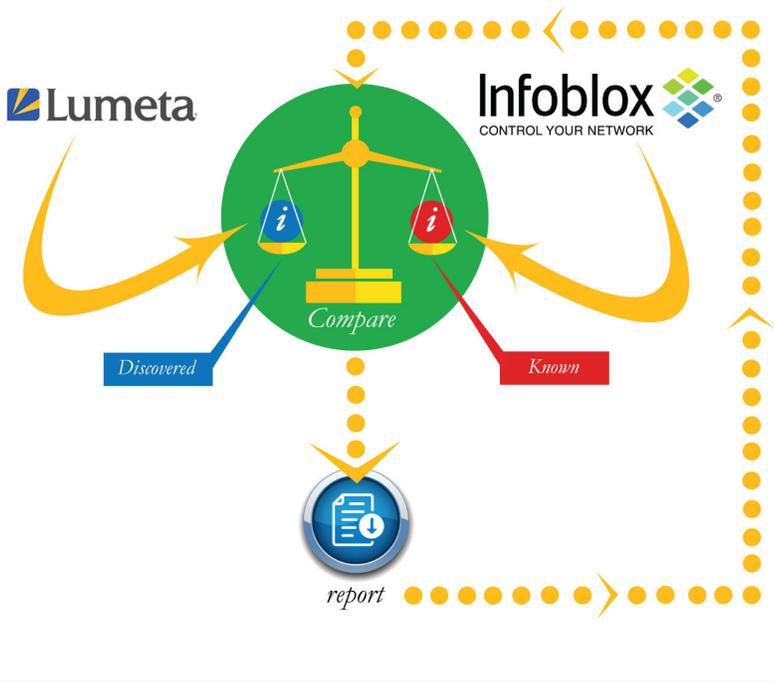
Unmanaged address space throughout an enterprise can become a target for exploitation, which may result in unauthorized access to your network, exposure of confidential information, violation of privacy provisions, or paralysis of business operations.

Not having an accurate inventory of the IP addresses used in your network places your network at risk. An effective IP address management (IPAM) program needs to account for all IP address space within the network to provide comprehensive asset management.

Integration of the Lumeta network situational awareness solution with Infoblox brings together comprehensive network visibility and IPAM, enabling an authoritative picture of network assets within an organization's enterprise and, therefore, an improved overall security posture.

Lumeta provides best-in-class network situational awareness enabling customers to close the gap on network visibility and gain comprehensive network intelligence about every piece of network infrastructure, route, device and leak path across the enterprise. Customers who deploy Lumeta in conjunction with Infoblox are able to reduce operational risk and gain knowledge and control of all IP-enabled systems, in a closed loop fashion. The combination of Lumeta and Infoblox provides automated indexing, identification, and protection of network assets that previously represented security vulnerabilities across the enterprise network.

The Infoblox DDI solutions integration is available for both Lumeta ESI (real-time network visibility) and Lumeta IPsonar (point-in-time network visibility).



Lumeta and Infoblox Integration

Lumeta excels at discovering an organization's connected network space (including hidden and newly found networks and devices), providing an authoritative definition of the network. Infoblox excels at IPAM. When these two solutions join forces, gaps in IP address management coverage are eliminated, allowing an organization to get a true picture of its assets under management.

Benefits of the Lumeta-Infoblox Integration

The integration combines the reach of Lumeta’s network visibility with the quality of Infoblox’s IPAM capabilities to deliver a comprehensive solution. In simple terms, the integration reconciles data between Lumeta and Infoblox, and enables you to update Infoblox with an exported list of discovered-and-indexed network IP address data from Lumeta.

Step 1: Track Inventory and Categorize Network Assets

You can’t measure risk if you don’t know what you have on your network. In order to effectively manage your IP address space, you must first understand what assets you have in your network. Having an accurate inventory of your assets helps you determine the areas that are most susceptible to attacks.

Step 2: Reconcile Lumeta findings with Infoblox findings

The differences between Infoblox managed IP addresses and Lumeta’s findings are presented via an IP Address Management Dashboard and associated report in Lumeta ESI, or in a view in Lumeta IPsonar (via the Infoblox plugin).

Step 3: Remediate discrepancies

Bring unaccounted for IP address space under management by updating your Infoblox installation with Lumeta findings.

Step 4: Repeat

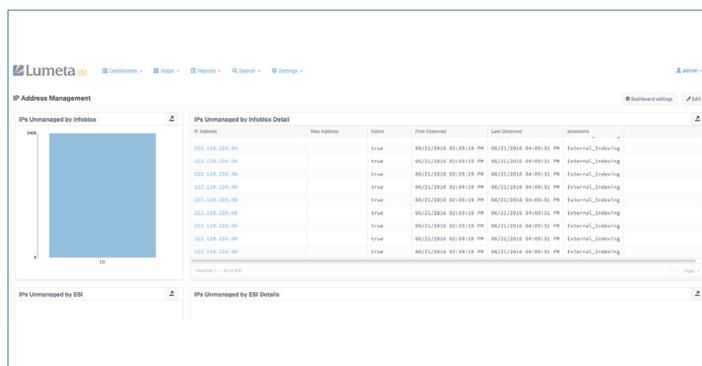
New IP address spaces appear frequently on a network in this day of virtualization and cloud computing. You need to incorporate steps 1-3 as new IP address spaces are utilized on the network. Their detection and control require comprehensive IP address management. With Lumeta ESI, this ‘repeat’ process occurs automatically in real time. With Lumeta IPsonar, you re-run the report via the Infoblox plugin.

How Does It Work in Lumeta ESI?

Lumeta ESI accesses the API of Infoblox and retrieves the current list of all managed IP addresses recorded in Infoblox. Lumeta ESI compares this list against ESI’s authoritative index of IP address space. This information is available in Lumeta ESI via the **IP Address Management Dashboard**.

- **IPs Unmanaged by Infoblox** - IP addresses ESI found on your network that Infoblox doesn’t know about and doesn’t have under management. Together, these unknowns represent a knowledge and IPAM gap – a vulnerability that could be exploited.
- **IPs Unmanaged by ESI** - IP addresses managed by Infoblox that ESI did not find on the network. Typically, there will not be any IP address space managed by Infoblox that has not been indexed by ESI.
- **Infoblox- and ESI-Managed IPs** - When this subset becomes the whole (i.e., when all IP addresses are managed by both resources), you have complete, demonstrable IPAM – useful in managing physical and virtual IP address space.

After reviewing the data on the dashboard, users can **Export** to Infoblox any IP addresses Lumeta found that are not yet managed by Infoblox.



IP Address Management Dashboard in Lumeta ESI: Analytics showing IP addresses managed and unmanaged by Infoblox

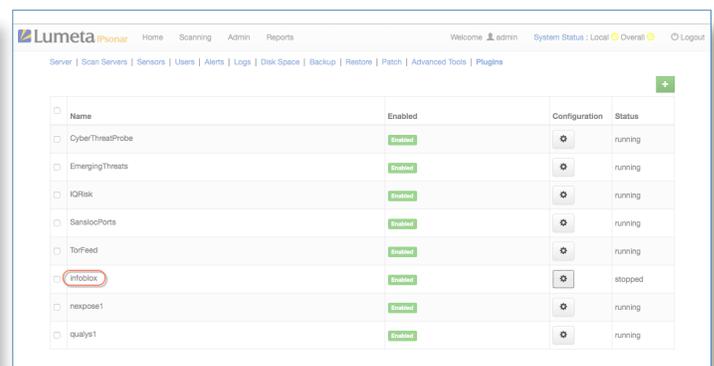
How Does It Work in Lumeta IPsonar?

When you open the IPsonar/Infoblox plugin, a screen called IPsonar Reports displays. This screen gives you the opportunity to pick an IPsonar report for reconciliation with Infoblox. Select a report you want to reconcile, and the system will respond by providing you with a report of the differences between that IPsonar report and the most recently gathered Infoblox data.

To produce the report, the plugin performs the following:

1. Periodically gathers IPsonar and Infoblox information
2. Imports the list of all the IP addresses gathered by IPsonar for the selected report
3. Imports the current list of all the IP addresses recorded in Infoblox
4. Determines what needs to be exported to Infoblox (“Differences”)

If, after reviewing the differences, you want to send the IPsonar findings to Infoblox, press the “Sync” button. The system responds by queuing up a job to write those changes in the background.



Lumeta IPsonar Reports: Select an IPsonar report for reconciliation with Infoblox