

# Qualys Integration

Lumeta helps your Qualys Enterprise server work better by comparing Qualys-subscribed and Qualys-scanned IPs with Lumeta-indexed hosts in the same network space. Qualys receives up-to-the-minute endpoint data from Lumeta at every polling interval, enabling Qualys to saturate a network space with its service, thereby eliminating any and all gaps in coverage and ensuring the comprehensive provision of Qualys Management to Qualys customers.

The Qualys integration also supports Lumeta's new Qualys Management dashboard, which provides device details on IPs managed by Qualys, IPs managed by Lumeta, and IPs managed by both services.

1. At your Lumeta Command Center GUI, browse to **Settings > Integrations > Other Solutions > Qualys**.
- Note:** The Qualys Integration is configured from a Command Center's web interface (GUI) only and not its command-line interface (CLI).
2. Complete the form as follows:
  - a. Toggle the status indicator to **On** to enable the Qualys integration.
  - b. Set the Polling Interval.  
The default value of **24** hours is generally appropriate and can also be adjusted later, if desired.
  - c. Enter the name of your Qualys server.
  - d. Enter the login credentials to it (i.e., Username and Password).
  - e. Set your Auto-Subscribe preference:
    - i. Select the Auto-Subscribe option to automatically push Lumeta-indexed endpoints to the subscription pool managed by Qualys. This expands Qualys' subscription pool by incorporating Lumeta-indexed hosts.
    - ii. Clear the Auto-Subscribe option to do two things:
      1. Create an asset group on Qualys that represents hosts that are both Lumeta-indexed AND Qualys-subscribed, yet are not in the Qualys Scan group.
      2. Push to diff—that is hosts not in the Qualys Scan group yet are represented in BOTH Lumeta-indexed and Qualys-subscribed to the Qualys server.
  - f. Click **Submit** to save the configuration.



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On

Polling Interval (by Hour)

Server Name

Username

Password

Auto-Subscribe

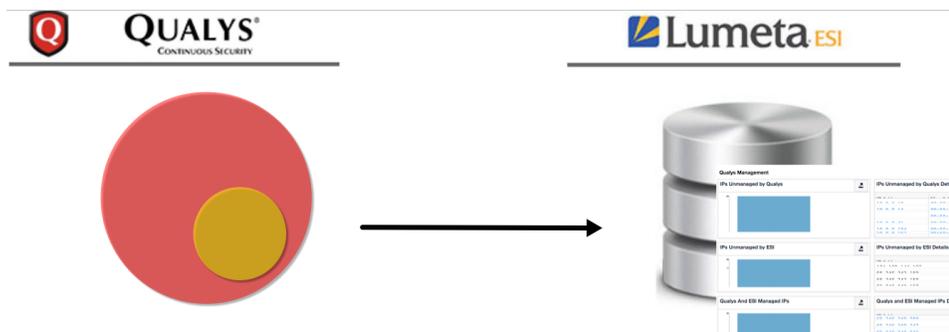
 Product configured properly.

Once you have done so, Lumeta-indexed devices that Qualys doesn't know about are incorporated to Qualys Managed and Subscription management services. At each polling interval, the integration is run and a refresh of endpoint data is pushed to the Qualys server.

Here's how it works:

- a. At every polling interval, Lumeta retrieves a list of Scanned/Managed hosts (yellow) and a list of Subscribed hosts (red) from Qualys. This information populates two tables on Lumeta (i.e., **qualys\_scanned\_ips** table and **qualys\_subscribed\_ips** table) and ultimately feeds the Qualys Management dashboard on Lumeta.

Legend	
	Blue - Lumeta-Indexed IPs
	Red - Qualys-Subscribed IPs
	Yellow - Qualys-Scanned/Managed IPs
	<b>Note:</b> Qualys-Scanned/Managed hosts (yellow) are always a subset of Qualys-Subscribed hosts (red).



- i. At the first polling interval, Lumeta creates an asset group container on the Qualys server called **LUMETA\_Spectre\_DISCOVERED**.



- ii. Lumeta checks and refreshes the contents of the **LUMETA\_Spectre\_DISCOVERED** asset group at every subsequent polling interval. **Note:** This is different from IPsonar, where a new asset group is created each time a report is generated.

iii. Lumeta ingests all of the IPs on **LUMETA\_Spectre\_DISCOVERED** to the **qualys\_scanned\_ips** table on Lumeta.

Lumeta ESI Tables	
qualys_scanned_ips	Managed primary

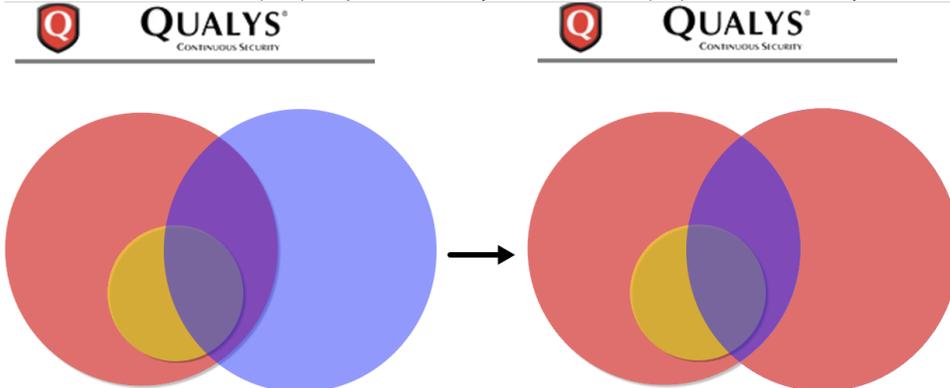
iv. Lumeta ingests all Subscribed IPs from Qualys' server to Lumeta's **qualys\_subscribed\_ips** table.

Lumeta ESI Tables	
qualys_subscribed_ips	Managed primary

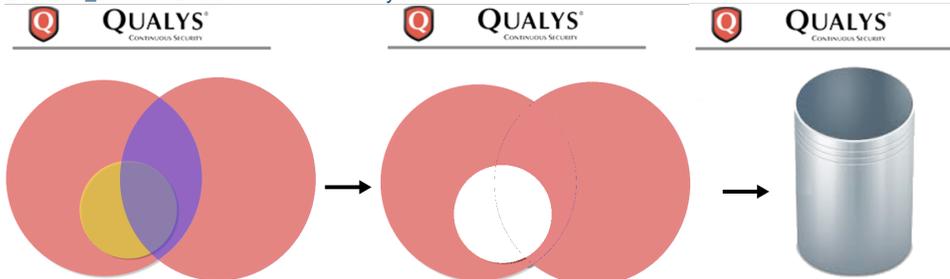
2. Additionally, when an Lumeta user *enables Auto-Subscribe* (i.e., **Settings > Integrations > Qualys > Auto-Subscribe**), several events happen:



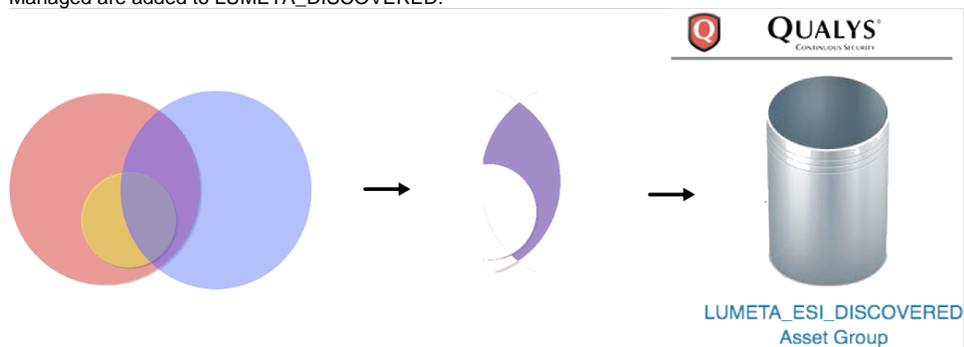
a. First, Lumeta-Indexed hosts (blue) not present in Qualys' Subscribed list (red) are added to Qualys' Subscribed list (red).



b. Lumeta then identifies hosts in the Qualys Subscribed list (red) that are not in the Qualys Managed list (yellow) and pushes those to the **LUMETA\_DISCOVERED** asset list on Qualys.



3. When an Lumeta user *disables Auto-Subscribe*, IPs that are common to both Lumeta-Indexed and Qualys-Subscribed but are not in Qualys-Managed are added to LUMETA\_DISCOVERED.



4. Widgets on Lumeta's Qualys Management dashboard are populated using a combination of IPs indexed by Lumeta and IPs from the qualys\_scanned\_ips table and the qualys\_subscribed\_ips table, as follows:

Widget Label	Description	Image
IPs Unmanaged by Qualys	IPs indexed by Lumeta yet unmanaged by Qualys (aka Lumeta-Indexed - Qualys-Subscribed table on Lumeta)	
IPs Unmanaged by Lumeta	IPs managed by Qualys yet not indexed by Lumeta (aka Qualys-Scanned/Managed table on Lumeta - Lumeta-Indexed)	
Qualys and Lumeta Managed IPs	IPs both indexed by Lumeta and in Qualys managed list (aka Intersection of Lumeta-Indexed and Qualys-Scanned/Managed table on Lumeta)	