

Configuring OSPF Monitoring

This feature enables Lumeta Command Centers and Scouts behave like non-forwarding routers—listening to and recording route information as if it were a router, but not forwarding network traffic like a true router does. To begin discovering devices on your network immediately, configure a collector to execute passive monitoring first. Passive discovery provides instantaneous network updates and broadens understanding of a network's core. OSPF is a passive discovery type. A collector's rescan interval has no impact on OSPF monitoring

Configure OSPF Data Gathering

Before configuring OSPF monitoring proper, you must first enable OSPF data gathering from the system's interface card.

1. Browse to the system interface associated with a particular zone by selecting **Settings > Lumeta Systems**.
2. Select the first available system.
3. Click the tab for your interface card (e.g., eth0 or eth1).
4. Click **Edit OSPF**.
5. Complete the form.
 - a. Set the Area to **0**.
 - b. Assign a unique Router ID such as 1.1.1.1 that does not match any other IP addresses on your system. Consider naming subsequent systems using a similar pattern such as 2.2.2.2, 3.3.3.3, and 4.4.4.4
 - c. Select an Authentication Type such as **None**.
By default, passwords are not included in OSPF packets.
 - d. Optionally add an Authentication Phrase (i.e., test)
Every packet carries an 8-byte password. Received packets lacking this password are ignored. This option is not available in OSPFv3.authentication cryptographic. An authentication code is appended to every packet. The specific cryptographic algorithm is selected by option algorithm for each key. The default cryptographic algorithm for OSPFv2 keys is Keyed-MD5 and for OSPFv3 keys is HMAC-SHA-256. Passwords are not sent open via network, so this mechanism is quite secure.
 - e. Select **Enable OSPF Data Gathering**.
6. Click the **x** on the upper right-hand corner of the pane to exit.

The OSPF data gathering service is enabled on the interface:

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Once OSPF data gathering is configured, you configure OSPF monitoring.

1. Browse to **Settings > Zones**.
2. Select a Zone and a Collector.
3. Select the OSPF tab and click **Edit**.
The OSPF Configuration form displays.
4. Opt to include OSPF data and click **Update**.
OSPF Discovery is enabled