

# **Local Firehose**

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### **Local Firehose Service**

The partner's location engine must be configured with the IP address of the connector.

If two connectors are configured in high-availability (either active-active or VIP-paired mode), ensure that both connector IP addresses are configured on the partner's location engine. In such a configuration, you can see that Radio Frequency Identification (RFID) tag information is received on both the connector channels, but Bluetooth Low Energy (BLE) tag information is received only on the Active connector channel.



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Do not configure the virtual IP address (VIP) of VIP-paired connectors on the partner's location engine.

IoT Service supports high availability only in the VIP-paired mode.



Note

For creation and activation of a partner app, refer to the On-Prem Partner App

## **Configure Local Firehose Service**

**Step 1** In the Cisco Spaces dashboard left navigation pane, click **Setup** and choose **Wireless Networks**.

**Step 2** In the **Connect your wireless network** window that is displayed, go to the **Step 2** area and click **View Connectors**.

Figure 1: View Connectors

≡ cisco space	S
贷 Setup	Ss network
Wireless Network Wired Network Map Service	ks ces Connector ay to get your wireless network connected to Cisco DNA Spaces. No need to upgrade Wireless LAN Controllers or reconfigure your wireless network.
	es Connector OVA
Webex	Spaces Connector           You will need a token to configure Spaces Connector. You need to connect to https://your connector IP-/ from a browser to configure the token. You can optionally configure Spaces Connector to connect via           2         / 2         connector(s) active
3	Add and associate controllers to your Clicco DNA Spaces Connector(s)
	1 / 2 controllers View Controllers
	Prime/DIAVG map requires in order to work Locate & detect, Asset tracker, and IOT services, and proximity Report           2         buildiness immoned         Import/Sume Mans
	2 Roors Imported Manage Maps
5	Setup location hierarchy Once the maps imported, you can add them into location hierarchy

**Step 3** In the connector details window that is displayed, choose a connector and click Add Services.

Figure 2: Add Service

÷	Back Setup > Connectors > Test	ID : 81424448212902120000   Last Modified : Apr 29, 2022, 11:04:25 AM
	SUMMARY 0 0 0 0 0 0 0 Instances Active Inactive Service enabled	
	Instances Configuration Metrics	🖉 Generate Token 🛛 🎄 Troubleshoot Connector
	Services	Add Services
~	You have not added any services yet. Click * Add Service* to configure services. witches You have not added any switches yet. Click * Add Switch* to configure switches.	

- **Step 4** In the **Add Service** window that is displayed, choose **local-firehose** and click **Add**.
  - **Note** To receive events such as Device\_RSSI for Received Signal Strength Indicator (RSSI)-based tags and Device\_BLE events for Bluetooth Low Energy (BLE) tags, ensure that **location** and **iot-services** services are also added.

You can see that the number of services enabled has increased.

**Step 5** Login to the Connector GUI. Scroll downwards to the **local-firehose** tile. Verify if the running status is **Up**.

#### Figure 3: local-firehose

local-firehose 3.1.0. Upgrade: Success	69
Last Heartbeat	6s ago
Running Status	Up
Up time	16m 11s 🛈
Outgoing TAG RSSI events rate	36.46 events/second (i)
Incoming TAG RSSI events rate	53.09 events/second (i)
Outgoing BLE RSSI events rate	14.26 events/second (i)
Incoming BLE RSSI events rate	20.38 events/second (i)
Active gRPC Connection Count	1 count 🛈
gRPC Server Channel Status	RUNNING Status
Show Less	
Disk Usage (%)	11.41 % 🛈
Disk Size	233.69 MB 🛈
CPU Usage (%)	45.33 % i)
Memory Usage (%)	5.97 % i
Memory Usage	475.11 MB 🛈

### **Connector Dashboard: Local Firehose Service**

Figure 4: Local firehose service: Details on the Connector

local-firehose Upgrade: Success	3.1.0.65
Last Heartbeat	2s ago
Running Status	Up
Up time	1h 4m 28s 🛈
Outgoing TAG RSSI events rate	0 events/second 🛈
Incoming TAG RSSI events rate	0.02 events/second 🛈
Outgoing BLE RSSI events rate	0 events/second (i)
Incoming BLE RSSI events rate	0 events/second (i)
Active gRPC Connection Count	0 count 🛈
gRPC Server Channel Status	RUNNING Status 🛈
Show Less	
Disk Usage (%)	0.43 % 🛈
Disk Size	8.84 MB 🛈
CPU Usage (%)	0.1 % 🛈
Memory Usage (%)	8.16 % 🛈
Memory Usage	320.17 MB 🛈

#### Table 1: Local Firehose Service Metrics

Display Field	Information
Active gRPC connection count	Number of connections from the partner's location engine
Outgoing TAG RSSI events rate	Number of RFID RSSI events sent from local-firehose-service to the partner's location engine
Incoming TAG RSSI events rate	Number of Radio Frequency Identification (RFID) Received Signal Strength Indicator (RSSI) events received from the location-service to local-firehose-service

Display Field	Information
Outgoing BLE RSSI events rate	Number of BLE RSSI Events sent from local-firehose-service to partner's location engine
Incoming BLE RSSI events rate	Number of Bluetooth Low Energy (BLE) RSSI Events received from iot-service to local-firehose- service