



Switch

- [Switch](#) , on page 1

Switch

What TDL subscriptions are created

The following table shows you the list of TDL subscriptions created for a switch.

Switch Subscriptions

Subscription Number	TDL	Update Policy	Description
222	/services;serviceName=ios_oper/platform_component	1 hour	Used for device discovery
223	/services;serviceName=ios_emul_oper/device_hardware;singleton_id=0/device_system_data;singleton_id=0	3 seconds	Device system information

The following table shows you the list of TDL subscriptions created for the switch port status.

Subscription Number	TDL	Update Policy	Description
224	/services;serviceName=ios_emul_oper/interface	On change	Switch port interface status

The following table shows you the list of TDL subscriptions created for the switch PoE subscription.

Subscription Number	TDL	Update Policy	Description
225	/services;serviceName= =ios_oper/platform_component;cname =Switch1/platform_properties	5 seconds	Switch platform properties
226	/services;serviceName=ios_oper/poe_module	4 seconds.	Switch POE Module
227	/services;serviceName=ios_oper/poe_port_detail	3 seconds	Switch POE Port

How do I verify the TDL subscriptions are created and valid?

Run the command **show telemetry ietf subscription all** command on the switch.

The command displays the subscriptions, the subscription type, and if a subscription is valid. switch creates five different subscriptions 222-227.

```
Device# show telemetry ietf subscription all

Telemetry subscription brief

ID              Type          State          Filter type
-----
222             Configured   Valid          tdl-uri
223             Configured   Valid          tdl-uri
224             Configured   Valid          tdl-uri
225             Configured   Valid          nested-uri
226             Configured   Valid          tdl-uri
227             Configured   Valid          tdl-uri
```

What is the TDL status?

Run the **show telemetry ietf subscription ID receiver** command on the switch.

The command displays the TDL subscriptions status.

```
Device# show telemetry ietf subscription 222 receiver
Telemetry subscription receivers detail:

Subscription ID: 222
Address: 192.168.46.20
Port: 8004
Protocol: cloud-native
Profile:
Connection: 32037
State: Connected
Explanation:
```

The switch has five different subscriptions ranging from 222-227 which can be used as the **Subscription ID**. Check if the **Address** is the IP address of the Cisco Spaces: Connector. Also check if the **State** is **Connected**.

What commands are run on the switch?

When a switch port status changes to UP, Cisco Spaces: Connector polls the switch for any potential switch port identity information. The connector executes the NETCONF GET command, which is similar to the **show dot1x interface GigabitEthernet 1/0/1 details** command.

Below is the output of the NETCONF command.

```
<filter xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
  <identity-oper-data xmlns="http://cisco.com/ns/yang/Cisco-IOS-XE-identity-oper">
    <session-context-data>
      <intf-iifid>__interface_index__</intf-iifid>
    </session-context-data>
  </identity-oper-data>
</filter>
```

Below is the output of the NETCONF command.

What commands are run on the switch?