

# Fix WLC Reached Max Limit for Number of Flow Exporters Error

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## Introduction

This document describes how to fix the error "Reached Max Limit for Number of Flow Exporters" in the telemetry task for a WLC using Cisco DNA center.

## Prerequisites

### Requirements

You require access to:

- Cisco DNA Center GUI with SUPER-ADMIN role
- AirOS Wireless Controller CLI and GUI with admin role.

### Components Used

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

## Problem

Cisco DNA Center telemetry provisioning is expected to fail when a flow exporter is already configured in Cisco Wireless Controller WLC 5520 with AirOS because that device supports only one flow exporter to be configured. Thus, Cisco DNA Center is unable to override that configuration due to that WLC limitation to configure two or more flow exporters, resulting in a provisioning task failure:

Deployment of netflow setting initiated.

FAILED: Configuring new Netflow Collector Server Configuration Settings IP: [10.10.10.10] and Port: [6007] on the device: 10.88.244.161 failed with exception: Error in running XDE Procedure. Error Message: Error occurred while executing the command 'config flow create exporter 10.10.10.10 10.10.10.10 port 6007'.Command Output : config flow create exporter 10.10.10.10 10.10.10.10 port 6007 Reached Max limit for Number of Flow Exporters.

## WLC-5520

Management IP 10.88.244.161  
 Device Type Cisco 5520 Series Wireless Controllers  
 Device Role ACCESS

COMPLETED: Deconfiguring old SNMP Trap Server Configurations Settings IP: [ 10.10.10.10 ] on the device: 10.10.10.10  
 COMPLETED: Configuring new SNMP Trap Server Configurations Settings IP: [ 10.10.10.10 ] on the device: 10.10.10.10

## Deployment of dns setting

No change in setting, so no operation was performed  
 Process success on all devices.

## Deployment of netflow setting

Deployment of netflow setting initiated  
 FAILED: Configuring new Netflow Collector Server Configuration Settings IP: [ 10.10.10.10 ] and Port: [6007] on the device: 10.10.10.10  
 exception: Error in running XDE Procedure, Error Message::Error occured while executing the command 'config flow exporter 10.10.10.10 port 6007'.Command Output : config flow create exporter 10.10.10.10 10.10.10.10 port 6007 of Flow Exporters..

## Application telemetry

Configuration of application telemetry is only applicable upon enable/disable application telemetry action, so no operation performed.

## Telemetry Task Error Details

**Note:** Cisco DNA Center can only push the first NetFlow collector server for Wireless Controller as it has a restriction on the number of flow exporters.

Notice that the Cisco DNA Center is trying to push a flow exporter to the WLC, but the device already has one configured as confirmed in the CLI output:

```
<#root>
```

```
(Cisco Controller) >
```

```
show flow exporter summary
```

Exporter-Name	Exporter-IP	Port
fer_exporter	10.10.10.10	6007

```
(Cisco Controller) >
```

```
show flow exporter statistics
```

```
□
```

Tab and validate that you have configured a Netflow Collector Server. You can configure Cisco DNA Center or an external server as Flow Collector server:

Configure Syslog, Traps and NetFlow properties for your devices. The system will deploy these configurations to devices that are assigned to a site or provisioned.

Cisco DNA Center is your default SNMP collector. It polls network devices to gather telemetry data. You can configure the metrics gathered and the frequency with which they are collected.

### NetFlow

Choose Cisco DNA Center to be your NetFlow collector server, and/or add any external NetFlow collector server. This is the destination server for NetFlow export from network devices. Cisco DNA Center will only push the first NetFlow collector server for Wireless LAN Controller as it has a restriction on the number of flow exporters.

Use Cisco DNA Center as NetFlow collector server

#### INTERFACES FOR APPLICATION TELEMTRY

To enable telemetry on a device, select the device from the Provision table and choose "Actions->Enable Application Telemetry". By default, All access interfaces on a switch and LAN-facing interfaces on a router will be provisioned. To override this default behavior, you can designate specific interfaces to be designated as LAN interface, by putting the keyword "lan" in the interface description.

Once specific interfaces are tagged those interfaces will be monitored.

Add an external NetFlow collector server

Only the external server destination will be configured on network devices. Flow records will not be

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Cisco DNA Center Netflow Collector Settings

3- Log in to the AirOS WLC GUI and navigate to **Wireless > Netflow > Exporter** to see the list of flow exporters configured in the device:

The screenshot shows the Cisco AirOS WLC GUI. The top navigation bar includes: MONITOR, WLANs, CONTROLLER, WIRELESS (highlighted), SECURITY, MANAGEMENT, and COMMUNITY. The left sidebar shows the 'Wireless' menu with 'Access Points' expanded, listing: All APs, Direct APs, Radios (selected), 802.11a/n/ac/ax, 802.11b/g/n/ax, Dual-Band Radios, Dual-5G Radios, and Global Configuration. The main content area is titled 'Exporter List' and contains a table with the following data:

Exporter Name	Exporter Ip	Port Number
<a href="#">fer_exporter</a>	10.10.10.10	6007

. In this example, the name of the flow exporter already configured is named `fer_exporter` as confirmed in Step 1:

The screenshot shows the Cisco Wireless configuration page. The top navigation bar includes MONITOR, WLANs, CONTROLLER, WIRELESS (highlighted), SECURITY, MANAGEMENT, and COMMANDS. On the left, the 'Wireless' menu is expanded to show 'Access Points' and 'Advanced'. Under 'Access Points', there are sub-menus for 'All APs', 'Direct APs', 'Radios', '802.11a/n/ac/ax', '802.11b/g/n/ax', 'Dual-Band Radios', 'Dual-5G Radios', and 'Global Configuration'. The 'Advanced' section includes 'Mesh'. The main content area is titled 'Exporter List' and contains a table with the following data:

Exporter Name	Exporter Ip	Port Number
<a href="#">fer_exporter</a>	10.10.10.10	6007

*Remove Exporter*

5- If the Flow exporter is in use when you are removing it, you can receive a warning message that the exporter is associated in a Flow Monitor. You cannot remove it until you delete the association by removing the Flow Monitor first:

The screenshot shows a warning dialog box overlaid on the Cisco interface. The dialog box has a title bar that reads '10.88.244.161 says'. The main text of the dialog says 'Flow Exporter is associated to a Flow Monitor.' There is a blue 'OK' button at the bottom right of the dialog box.

*Flow Exporter*

6- To remove the Flow monitor, navigate to **Wireless > Netflow > Monitor** and select the Flow Monitor associated to fer\_exporter so you can remove it:

The screenshot shows the Cisco Wireless configuration page for the 'Monitor List page'. The top navigation bar includes MONITOR, WLANs, CONTROLLER, WIRELESS (highlighted), SECURITY, MANAGEMENT, COMMANDS, HELP, and FEE. On the left, the 'Wireless' menu is expanded to show 'Access Points' and 'Advanced'. Under 'Access Points', there are sub-menus for 'All APs', 'Direct APs', 'Radios', '802.11a/n/ac/ax', '802.11b/g/n/ax', 'Dual-Band Radios', 'Dual-5G Radios', and 'Global Configuration'. The 'Advanced' section includes 'Mesh'. The main content area is titled 'Monitor List page' and contains a table with the following data:

Monitor Name	Record Name	Exporter Name
<a href="#">fer_Monitor</a>	none	<a href="#">fer_exporter</a>

*Flow Monitor*

In this example, the name of the flow monitor associated to the flow exporter is named fer\_Monitor. If the Fl

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: All the steps described in the Solution can be performed via WLC CLI too, if preferred, without need of WLC GUI.

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## Validation

Once the telemetry task finishes successfully, you can validate using the WLC CLI commands for flow exporter and assurance. Also, by checking the Cisco DNA Center Assurance health page for the WLC and APs.

```
<#root>
```

```
(Cisco Controller) >
```

```
show flow exporter summary
```

Exporter-Name =====	Exporter-IP =====	Port =====
dnacexporter	10.10.10.10	6007

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**Note:** The Flow Exporter configured by Cisco DNA Center is hardcoded to be called dnacexporter.

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