



## Device Configuration Prerequisites

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### WAN Interface Configuration for EasyQoS

In order for the Cisco APIC-EM to identify the discovered WAN interfaces or subinterfaces that need policies, you need to configure the following tag as the interface (or subinterface) description using the command line interface (CLI) **description** command:

```
switch# description #WAN#rate#SPPProfileName#
```

- **#WAN#**—Keyword that indicates special traffic handling on the interface or subinterface.
- **#rate#**—Subline rate (MB) used to trigger a congestion event on the device when this contracted rate is reached (even if the physical WAN interface itself is not congested). As a result of the congestion event, Cisco APIC-EM updates the WAN interface or sub-interface in the device with the designated SP policy. The rate must be a value below the actual line rate of the interface or subinterface.
- **#SPPProfileName#**—Service Provider Profile to use.

The service provider profile defines the Differentiated Services Code Point (DSCP), priority, and bandwidth for traffic that is destined for a service provider. Cisco APIC-EM provides four predefined service provider

profiles (SPPs or SP profiles): SPP1, SPP2, SPP3, and SPP4. You can use any of the predefined SP profiles, or you can create a customized SP profile for your unique requirements.

For information about the preconfigured SP profiles, see [Understanding Service Provider Profiles](#). To create a customized SP profile, see [Creating a Customized Service Provider Profile](#).

#### Example

```
interface GigabitEthernet0/2  
description AT&T Circuit from SJ-13-12 to RTP-Ridge-7 #WAN#50M#SPP1-4Class#
```



#### Note

You need to wait for Cisco APIC-EM's next discovery polling cycle to complete (configurable to be from every 25 minutes to once per day) or manually resynchronize the device before applying the policy configuration.

**Note**

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You may want to create a script to automate these device configuration changes.

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