



QoS: Service Groups Configuration Guide, Cisco IOS XE Gibraltar 16.11.x

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Read Me First

Important Information about Cisco IOS XE 16

Effective Cisco IOS XE Release 3.7.0E for Catalyst Switching and Cisco IOS XE Release 3.17S (for Access and Edge Routing) the two releases evolve (merge) into a single version of converged release—the Cisco IOS XE 16—providing one release covering the extensive range of access and edge products in the Switching and Routing portfolio.

Feature Information

Use Cisco Feature Navigator to find information about feature support, platform support, and Cisco software image support. An account on Cisco.com is not required.

Related References

• Cisco IOS Command References, All Releases

Obtaining Documentation and Submitting a Service Request

- To receive timely, relevant information from Cisco, sign up at Cisco Profile Manager.
- To get the business impact you're looking for with the technologies that matter, visit Cisco Services.
- To submit a service request, visit Cisco Support.
- To discover and browse secure, validated enterprise-class apps, products, solutions and services, visit Cisco Marketplace.
- To obtain general networking, training, and certification titles, visit Cisco Press.
- To find warranty information for a specific product or product family, access Cisco Warranty Finder.



Service Groups

This feature provides the ability to apply an aggregate QoS service policy across multiple VLAN subinterfaces or service instances that are on the same physical interface. The Service Group feature allows network administrators to create service groups, add members (such as service instances) to those service groups, and apply service policies to the groups. The service policies contain the aggregate features (such as traffic policing and queueing) that can be applied to the groups. These service policies are in compliance with the Service-Level Agreement (SLA) negotiated between the service provider and the subscribers.

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Finding Feature Information

Your software release may not support all the features documented in this module. For the latest caveats and feature information, see Bug Search Tool and the release notes for your platform and software release. To find information about the features documented in this module, and to see a list of the releases in which each feature is supported, see the feature information table.

Use Cisco Feature Navigator to find information about platform support and Cisco software image support. To access Cisco Feature Navigator, go to www.cisco.com/go/cfn. An account on Cisco.com is not required.

Restrictions for Service Groups

• Only EFP service instances, routed sub-interfaces and aggregate port-channel sub-interfaces can be added as members of service groups.

Each service instance or sub-interface can belong to only one service group at time.

• The service group must exist before any member can join the group.

- All members of a service group must reside on the same physical interface or same aggregate port-channel interface.
- Sub-interfaces or service instances that are members of a service group cannot have a QoS policy applied to the interfaces, even if the service group does not have a QoS policy applied.
- MPOL is not supported on aggregate port-channel when policy is applied on aggregated port-channel main interface, port-channel sub-interface cannot be attached by any policy, or be configured as a member of a service-group.
- Sub-interface belongs to service group and sub-interface applied with service-policy cannot be configured on the same aggregate port-channel simultaneously.
- Each sub-interface belongs to only one service group at a time.
- Interfaces that are a member of a service group cannot have a QoS policy applied.
- A batch configuration including both "define service-group" and "add sub-interface to service-group" may result in membership error, and vice versa in the unconfiguration.

So it is recommended to define the service-group before adding subinterfaces or service instances to it, and removing them from the service-group before deleting the service-group or deleting the subinterfaces or service instances.

Information About Service Groups

Service Instances and Service Groups

A service instance is a configuration object (container) that holds all management and control plane attributes and parameters that apply to that service instance on a per-port basis. Different service instances that correspond to the same Ethernet Virtual Connection (EVC) must share the same name. Service instances are associated with a global EVC object through their shared name.

The Service Groups feature allows you to create service groups and apply aggregate features to those service groups. Service groups are created with input and output policies. Members join these groups by configuring the group ID in their configuration.

Make note of the following actions when enabling the service group feature:

- A service group must be created before a QoS policy can be configured on the service group.
- A service group sub-interface or service instance must be created before it can be bound to its group interface.

When disabling the service group feature:

- A service group sub-interface or service instance must be unbound from the service group interface before the service member interface is deleted.
- A service group sub-interface or service instance unbound from the service group interface before the service group interface is deleted.
- A QoS policy must be removed from the service group interface before the service group interface is deleted.

How to Configure Service Groups

Creating a Service Group

Before you begin

In this procedure, you need to specify the name of a QoS policy to be attached to the service group. The QoS policy must already exist.

SUMMARY STEPS

- 1. enable
- 2. configure terminal
- **3. service-group** *service-group-identifier*
- 4. description descriptive-text
- $\textbf{5. service-policy } \{\textbf{input} \mid \textbf{output}\} \ \textit{policy-map-name}$
- **6**. end

	Command or Action	Purpose
Step 1	enable	Enables privileged EXEC mode.
	Example:	• Enter your password if prompted.
	Device> enable	
Step 2	configure terminal	Enters global configuration mode.
	Example:	
	Device# configure terminal	
Step 3	service-group service-group-identifier	Creates a service group and enters service-group
	Example:	configuration mode.
	Device(config)# service-group 20	• Enter the service group number. The number of service groups that can be created varies by Device.
Step 4	description descriptive-text	(Optional) Creates a description of the service group.
	Example:	• Enter a description (for example, additional information about the group) of the service group.
	Device(config-service-group)# description subscriber account number 105AB1	Descriptions can be a maximum of 240 characters.
Step 5	service-policy {input output} policy-map-name	(Optional) Attaches a policy map to the service group, in
	Example:	either the ingress (input) or egress (output) direction.

	Command or Action	Purpose
	Device(config-service-group)# service-policy input policy1	Enter either the input or output keyword and the name of the previously created policy map.
Step 6	end	(Optional) Returns to privileged EXEC mode.
	Example:	
	Device(config-service-group)# end	

Adding or Deleting Service Group Members



Note

The following restrictions apply to service group members:

- A member can join only one service group at a time.
- All members of a service group must reside on the same physical interface.
- Service instances cannot join the same group from multiple interfaces. Group members must come from the same interface, as shown in the sample configuration below:

```
interface GigabitEthernet 2/0/0
service instance 1 ethernet
group 32
service instance 2 ethernet
group 32
interface GigabitEthernet 2/0/0.2
encapsulation dot1q 2
group 37
interface GigabitEthernet 2/0/1
service instance 1 ethernet
group 32 |<--Disallowed because this group has members in g2/0/0 already |</pre>
```

SUMMARY STEPS

- 1. enable
- 2. configure terminal
- **3. interface** *type number*
- 4. service instance service-instance-number ethernet
- **5. group** *service-group-identifier*
- 6. no group service-group-identifier
- 7. exit
- 8. end

	Command or Action	Purpose	
Step 1	enable	Enables privileged EXEC mode.	
	Example:	• Enter your password if prompted.	
	Device> enable		
Step 2	configure terminal	Enters global configuration mode.	
	Example:		
	Device# configure terminal		
Step 3	interface type number	Configures an interface and enters interface configuration	
	Example:	mode.	
	Device(config) # interface GigabitEthernet 0/1/0		
Step 4	service instance service-instance-number ethernet	Specifies the service instance to be added or deleted fi	
	Example:	a service group and enters service configuration mode.	
	Device(config-if)# service instance 200 ethernet		
Step 5	group service-group-identifier	Number of the service group specified by the member be added.	
	Example:	be added.	
	Device(config-if-srv)# group 20		
Step 6	no group service-group-identifier	(Optional) Number of the service group specified by the member will be added.	
	Example:	member will be added.	
	Device(config-if-srv)# no group 20		
Step 7	exit	(Optional) Returns to interface configuration mode.	
	Example:		
	Device(config-if-srv)# exit		
Step 8	end	(Optional) Returns to privileged EXEC mode.	
	Example:		
	Device(config-if-srv)# end		

Deleting a Service Group

Before you begin

- A service member interface must be unbound from the service group interface before the service group interface is deleted.
- A QoS policy must be removed from the service group interface before the service group interface is deleted.

SUMMARY STEPS

- 1. enable
- 2. configure terminal
- **3. no service-group** *service-group-identifier*
- 4. end

	Command or Action	Purpose
Step 1	enable	Enables privileged EXEC mode.
	Example:	• Enter your password if prompted.
	Device> enable	
Step 2	configure terminal	Enters global configuration mode.
	Example:	
	Device# configure terminal	
Step 3	no service-group service-group-identifier	Deletes a service group and deletes all members from the
	Example:	service group.
		• Enter the service group number to be deleted.
	Device(config)# no service-group 20	Note When you delete a service group, all members of the service group are automatically removed from the service group.
Step 4	end	(Optional) Exits global configuration mode.
	Example:	
	Device(config)# end	

Verifying the Service Group Configuration

SUMMARY STEPS

- 1. enable
- 2. show running-config service-group
- **3. show service-group** {*service-group-identifier* | **all**}
- 4. show service-group interface type number
- 5. show service-group stats
- 6. show service-group state
- 7. show service-group traffic-stats
- 8. show policy-map interface type number service group {service-group-identifier
- **9. show policy-map target service-group** {*service-group-identifier*}
- 10. show ethernet service instance [detail]
- 11. clear service-group traffic-stats
- 12. debug service-group {all | error | feature | group | interface | ipc | member | qos | stats}

	Command or Action	Purpose
Step 1	enable	Enables privileged EXEC mode.
	Example:	• Enter your password if prompted.
	Device> enable	
Step 2	show running-config service-group	(Optional) Displays the running service-group
	Example:	configuration.
	Device# show running-config service-group	
Step 3	show service-group {service-group-identifier all}	(Optional) Displays service-group configuration
	Example:	information for one or all service groups.
	Device# show service-group all	
Step 4	show service-group interface type number	(Optional) Displays service-group membership information
	Example:	by interface.
	Device# show service-group interface gigabitethernet 3/1	Enter the interface type and number.
Step 5	show service-group stats	(Optional) Displays service-group statistical information.
	Example:	
	Device# show service-group stats	

	Command or Action	Purpos	e
Step 6	show service-group state	(Option	nal) Displays state information about service groups.
	Example:		
	Device# show service-group state		
Step 7	show service-group traffic-stats	` -	nal) Displays traffic statistics for all the members vice group.
	Example: Device# show service-group traffic-stats		ne information displayed is the combined total of traffic statistics for all members.
Step 8	show policy-map interface type number service group {service-group-identifier	(Option groups.	nal) Displays policy-map information for service
	Example:	• Er	nter the interface type and number.
	Device# show policy-map interface gigabitEthernet 9/5 service group		
Step 9	<pre>show policy-map target service-group {service-group-identifier}</pre>	(Optional) Displays policy-map information for service groups that have members attached to the specified	
	Example:	interfac	
	Device# show policy-map target service-group 1	Enter the service group identifier.	
Step 10	show ethernet service instance [detail]	(Optional) Displays information about the service	
	Example:	instances. Note To display the service group number, use	
	Device# show ethernet service instance detail	MOLE	detail keyword.
Step 11	clear service-group traffic-stats		nal) Clears the traffic statistics for the service group.
	Example:	Note	Clearing the traffic statistics for the service
	Device# clear service-group traffic-stats		group does not clear the traffic statistics for the group members. To clear the traffic statistics for group members, use the clear ethernet service instance command. For more information about the clear ethernet service instance command, see the Cisco IOS Carrier Ethernet Command Reference.
Step 12	debug service-group {all error feature group interface ipc member qos stats}	(Option	nal) Debugs service-group events and errors.
	Example:		
	Device# debug service-group gos		

Adding or Deleting a Subinterface from a Service Group



Note

If a subinterface is already a member of a group, you cannot add it to another group. To move a subinterface, first delete it from the current group, then add it to the new group.

>

SUMMARY STEPS

- 1. enable
- 2. configure terminal
- **3. interface** *type number*
- **4. group** *service-group-identifier*
- **5. no group** *service-group-identifier*
- 6. exit
- **7**. end

	Command or Action	Purpose
Step 1	enable	Enables privileged EXEC mode.
	Example:	• Enter your password if prompted.
	Device> enable	
Step 2	configure terminal	Enters global configuration mode.
	Example:	
	Device# configure terminal	
Step 3	interface type number	Configures a subinterface and enters subinterface
	Example:	configuration mode.
	Device(config)# interface GigabitEthernet 1/1/0.30	• Enter the interface type and the subinterface number.
	Device(config)# interface range GigabitEthernet 1/1/0.30 - GigabitEthernet 1/1/0.36	Configures a range of subinterfaces and enters subinterface configuration mode.
		• Enter the interface types and the subinterface numbers.
Step 4	group service-group-identifier	Number of the service group to which the subinterfaces will
	Example:	be added.
		• Enter the service group number.
	Device(config-subif)# group 20	

	Command or Action	Purpose
Step 5	<pre>no group service-group-identifier Example: Device(config-subif) # no group 30</pre>	(Optional) Number of the service group from which the subinterfaces will be deleted. • Enter the service group number.
Step 6	<pre>exit Example: Device(config-subif) # exit</pre>	(Optional) Returns to interface configuration mode.
Step 7	<pre>end Example: Device(config-subif)# end</pre>	(Optional) Returns to privileged EXEC mode.

Verifying the Subinterface Configuration

SUMMARY STEPS

- 1. enable
- 2. show running-config service-group
- **3. show service-group** {*service-group-identifier* | **all**}
- 4. show service-group interface type number
- 5. show policy-map target service-group service-group-identifier
- 6. show service-group stats
- 7. show service-group state
- 8. show service-group traffic-stats
- 9. clear service-group traffic-stats
- 10. debug service-group {all | error | feature | group | interface | ipc | member | qos | stats}

	Command or Action	Purpose
Step 1	enable	Enables privileged EXEC mode.
	Example:	• Enter your password if prompted.
	Device> enable	
Step 2	show running-config service-group	(Optional) Displays the running service-group
	Example:	configuration.
	Device# show running-config service-group	

	Command or Action	Purpose	
Step 3	show service-group {service-group-identifier all} Example:	(Optional) Displays service-group configuration information for one or all service groups.	
	Device# show service-group all		
Step 4	show service-group interface type number Example:	(Optional) Displays service-group membership information by interface.	
	Device# show service-group interface gigabitethernet 3/1	Enter the interface type and number.	
Step 5	show policy-map target service-group service-group-identifier	(Optional) Displays the policy-map information for all service groups or the specified service group.	
	Example:	• Enter the target and service group.	
	Device# show policy-map target service-group 1		
Step 6	show service-group stats	(Optional) Displays service-group statistical information.	
	Example:		
	Device# show service-group stats		
Step 7	show service-group state	(Optional) Displays state information about service groups.	
	Example:		
	Device# show service-group state		
Step 8	show service-group traffic-stats	(Optional) Displays the traffic statistics for all the member of a service group.	
	Example:		
	Device# show service-group traffic-stats	• The information displayed is the combined total of the traffic statistics for all members.	
Step 9	clear service-group traffic-stats	(Optional) Clears the traffic statistics for the service group.	
	Example: Device# clear service-group traffic-stats	Note Clearing the traffic statistics for the service group does not clear the traffic statistics for the group members. To clear the traffic statistics for group members, use the clear ethernet service instance command. For more information about the clear ethernet service instance command, see the Cisco IOS Carrier Ethernet Command Reference.	
Step 10	debug service-group {all error feature group interface ipc member qos stats}	(Optional) Debugs service-group events and errors.	
	Example:		

Command or Action	Purpose
Device# debug service-group qos	

Configuration Examples for Service Groups

Example Creating a Service Group

In the following example, service group 20 has been created:

```
Device> enable
Device# configure terminal
Device(config)# service-group 20
Device(config-service-group)# description account number 105AB1
Device(config-service-group)# service-policy input policy1
Device(config-service-group)# end
```

Example Adding Service Instance Members to a Service Group

In the following example, service instance 200 will be added to service group 20:

```
Device enable

Device configure terminal

Device (config) # interface GigabitEthernet 1/0

Device (config-if) # service instance 200 ethernet

Device (config-if-srv) # group 20

Device (config-if-srv) # end
```

Example Adding Subinterfaces to a Service Group

In the following example, subinterface g3/7.12 will be added to service group 10:

```
Device> enable

Device# configure terminal

Device(config)# interface GigabitEthernet 3/7.12

Device(config-subif)# group 10
```

```
Device(config-subif) # end
```

Example Deleting Service Instance Members from a Service Group

In the following example, service instance 300 will be deleted from service group 30 on a port channel:

```
Device> enable
Device# configure terminal
Device(config)# interface GigabitEthernet 1/0.56 or
Device(config-if)# service instance 300 ethernet
Device(config-if-srv)# no group 30
Device(config-if-srv)# end
```

Example Deleting Subinterfaces from a Service Group

In the following example, subinterface g3/7.12 will be deleted from service group 10:

```
Device> enable
Device# configure terminal
Device(config)# interface g3/7.12
Device(config-subif)# no group 10
Device(config-subif)# end
```

Example Deleting a Service Group

In the following example, service group 20 will be deleted:

```
Device> enable

Device# configure terminal

Device(config)# no service-group 20

Device(config)# end
```

Example Verifying the Service Group Configuration

This section contains sample output from the **show policy-map target service-group**command. The **show policy-map target service-group** command displays policy-map information for service groups.



Note

This command is one of several that you can use to verify the service-group configuration. For additional commands that can be used, see *Verifying the Service Group Configuration*.

In the following example, service group 1 is specified. Service group 1 contains two policy maps (service policies), policy1 and policy2. Traffic policing is enabled in the EVC policy map. Traffic queuing is enabled in the ISG policy map.

Device# show policy-map target service-group 1 GigabitEthernet9/5: Service Group 1 Service-policy input: policy1 Class-map: class-default (match-any) 0 packets, 0 bytes 5 minute offered rate 0000 bps, drop rate 0000 bps Match: any police: cir 200000 bps, bc 6250 bytes conformed 0 packets, 0 bytes; actions: exceeded 0 packets, 0 bytes; actions: drop conformed 0000 bps, exceed 0000 bps Service-policy output: policy2 Counters last updated 00:00:34 ago Class-map: class-default (match-any) 0 packets, 0 bytes 5 minute offered rate 0000 bps, drop rate 0000 bps Queueing queue limit 131072 packets (queue depth/total drops/no-buffer drops) 0/0/0 (pkts output/bytes output) 0/0 bandwidth remaining ratio 2

How to Configure Service-group Support on Aggregate Port-channel

Adding Service Instance Members to a Service Group

SUMMARY STEPS

- 1. enable
- 2. configure terminal
- **3. service-group** *service-group-identifier*
- **4. service-policy** {**input** | **output**} *policy-map-name*
- 5. platform qos port-channel-aggregate port-channel-number
- **6. interface port-channel** *port-channel-number*
- 7. interface interface
- 8. channel-group number
- **9. interface port-channel** *port-channel-number.subinterface-number*
- 10. encapsulation dot1Q vlan-id second-dot1q vlan-id
- **11. group** *service-group-identifier*
- **12**. end

	Command or Action	Purpose	
Step 1	enable	Enables privileged EXEC mode.	
	Example:	Enter your password if prompted.	
	Device> enable		
Step 2	configure terminal	Enters global configuration mode.	
	Example:		
	Device# configure terminal		
Step 3	service-group service-group-identifier	Adds a service group and all members to the service group.	
	Example:		
	Device(config)# service-group 10		
Step 4	service-policy {input output} policy-map-name	(Optional) Attaches a policy map to the service group, in	
	Example:	either the ingress (input) or egress (output) direction.	
	Device(config-service-group)# service-policy input	• Enter either the input or output keyword and the	
	<pre>policy1 Device(config-service-group)# service-policy</pre>	name of the previously created policy map.	
	output policy2		
Step 5	platform qos port-channel-aggregate	Enables aggregate mode for a port-channel interface.	
	port-channel-number	Note It must be configured before a port-channel is	
	Example:	created. Enable aggregate mode before a port-channel interface is attached by policy, or	
	Device(config)# platform qos port-channel-aggregate 1	subinterfaces of the port-channel to be added	
		to a service-group.	
Step 6	interface port-channel port-channel-number	Enters interface configuration mode to configure a specific	
-	Example:	port channel.	
	Device(config)# interface port-channel 1		
Step 7	interface interface	Configures physical interface as a member link of the	
	Example:	port-channel.	
	Device(config)# interface g0/0/0		
Step 8	channel-group number	Adds the physical interface to the port-channel 1 as a	
	Example:	member link.	
	Device(config) # channel-group 1		
Step 9	interface port-channel	Enters interface configuration mode to configure a specific	
	port-channel-number.subinterface-number	port channel subinterface.	
	Example:		
	Device(config)# interface port-channel 1.10		

	Command or Action	Purpose
Step 10	<pre>encapsulation dot1Q vlan-id second-dot1q vlan-id Example: Device(config-subif) # encapsulation dot1Q 10 second-dot1q 11</pre>	Defines the matching criteria to map Q-in-Q ingress frames on the port-channel subinterface. Note Configuring second-dot1q is optional.
Step 11	group service-group-identifier Example: Device(config-subif) # group 10	Adds the port-channel sub interface to the specified service-group.
Step 12	<pre>end Example: Device(config-subif)# end</pre>	Returns to privileged EXEC mode.

Deleting Service Instance Members from a Service Group

SUMMARY STEPS

- 1. enable
- 2. configure terminal
- 3. interface port-channel port-channel-number.subinterface-number
- 4. no group service-group-identifier
- 5. no service-group service-group-identifier
- 6. end

	Command or Action	Purpose
Step 1	enable	Enables privileged EXEC mode.
	Example:	Enter your password if prompted.
	Device> enable	
Step 2	configure terminal	Enters global configuration mode.
	Example:	
	Device# configure terminal	
Step 3	interface port-channel port-channel-number.subinterface-number	Enters interface configuration mode to configure a specific port channel subinterface.
	Example:	
	Device(config)# interface port-channel 1.10	
Step 4	no group service-group-identifier	Removes the port-channel sub-interface from the service
	Example:	group specified by the number.
	Device(config-subif)# no group 10	

	Command or Action	Purpose	
Step 5	no service-group service-group-identifier	Deletes a service group.	
	Example:	Note All members should be removed from the service	
	Device(config-subif)# no service-group 10	group first.	
Step 6	end	Returns to privileged EXEC mode.	
	Example:		
	Device(config)# end		

Configuration Examples for Service-group on Aggregate Port-channel

Example: Adding Service Instance Members to a Service Group

```
Device> enable
Device# configure terminal
Device(config)# service-group 10
Device(config-service-group)# service-policy input policy1
Device(config-service-group)# service-policy output policy2
Device(config)# platform qos port-channel-aggregate 1
Device(config)# interface port-channel 1
Device(config)# interface g0/0/0
Device(config-if)# channel-group 1
Device(config-subif)# encapsulation dot1Q 10 second-dot1q 11
Device(config-subif)# group 10
Device(config-subif)# end
```

Example: Deleting Service Instance Members to a Service Group

```
Device> enable
Device# configure terminal
Device(config)# interface port-channel 1.10
Device(config-subif)# no group 10
Device(config-subif)# no service-group 10
Device(config)# end
```

Additional References

Related Documents

Related Topic	Document Title	
QoS commands: complete command syntax, command modes, command history, defaults, usage guidelines, and examples.	Cisco IOS Quality of Service Solutions Command Reference	
Debug commands: complete command syntax, command modes, command history, defaults, usage guidelines, and examples.	l e	
MQC, policy maps	"Applying QoS Features Using the MQC" module	
Service instance configuration information and concepts	Cisco IOS Carrier Ethernet Configuration Guide	
Service instance commands	Cisco IOS Carrier Ethernet Command Reference	

Standards

Standard	Title
No new or modified standards are supported by this feature, and support for existing standards has not been modified by this feature.	

MIBs

MIB	MIBs Link
No new or modified MIBs are supported by this feature, and support for existing MIBs has not been modified by this feature.	To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL: http://www.cisco.com/go/mibs

RFCs

RFC	Title
No new or modified RFCs are supported by this feature, and support for existing RFCs has not been modified by this feature.	

Technical Assistance

Description	Link
The Cisco Support and Documentation website provides online resources to download documentation, software, and tools. Use these resources to install and configure the software and to troubleshoot and resolve technical issues with Cisco products and technologies. Access to most tools on the Cisco Support and Documentation website requires a Cisco.com user ID and password.	

Feature Information for Service Groups

The following table provides release information about the feature or features described in this module. This table lists only the software release that introduced support for a given feature in a given software release train. Unless noted otherwise, subsequent releases of that software release train also support that feature.

Use Cisco Feature Navigator to find information about platform support and Cisco software image support. To access Cisco Feature Navigator, go to www.cisco.com/go/cfn. An account on Cisco.com is not required.

Table 1: Feature Information for Service Groups

Service Groups	12.2(33)SRE	The Service Groups feature allows network administrators to create service groups, add members (such as service instances) to those service groups, and apply service policies (also known as policy maps) to those newly created groups.
		In Release 12.2(33)SRE, this feature was introduced on the Cisco 7600 series router.
		The following commands were introduced or modified: clear service-group traffic-stats, debug service-group, description, group, service-group, service instance ethernet, service-policy, show policy-map interface service group, show running-config service-group, show service-group, show service-group interface, show service-group state, show service-group stats, show service-group traffic-stats.

Feature Information for Service Groups