



# TrustSec Security Group Name Download

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## TrustSec Security Group Name Download

The TrustSec Security Group Name Download feature enhances the Security Group Tag (SGT) policy that downloads to the network access device to include the SGT name in addition to the SGT number and Security Group Access Control List (SGACL) policy.

### Layer 3 Logical Interface to SGT Mapping

The TrustSec Security Group Name Download feature is used to directly map SGTs to traffic of any of the following Layer 3 interfaces regardless of the underlying physical interface:

- Routed port
- SVI (VLAN interface)
- Layer3 subinterface of a Layer2 port
- Tunnel interface

The **cts role-based sgt-map interface** global configuration command to specify either a specific SGT number, or a Security Group Name (whose SGT association is dynamically acquired from a Cisco ISE or a Cisco ACS access server).

## Configuring TrustSec Security Group Name Download

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	<b>enable</b>  <b>Example:</b> Device> enable	Enables privileged EXEC mode. <ul style="list-style-type: none"><li>• Enter your password if prompted.</li></ul>

	Command or Action	Purpose
<b>Step 2</b>	<b>configure terminal</b> <b>Example:</b> Device# configure terminal	Enters global configuration mode.
<b>Step 3</b>	<b>cts role-based sgt-map interface</b> <i>type slot/port</i> [ <b>security-group name</b>   <b>sgt number</b> ] <b>Example:</b> Device(config)# cts role-based sgt-map interface gigabitEthernet 1/1 sgt 77	An SGT is imposed on ingress traffic to the specified interface. <ul style="list-style-type: none"> <li>• <b>interface</b> <i>type slot/port</i>—Displays list of available interfaces.</li> <li>• <b>security-group name</b>— Security Group name to SGT pairings are configured on the Cisco ISE or Cisco ACS.</li> <li>• <b>sgt number</b>—(0 to 65,535). Specifies the Security Group Tag (SGT) number.</li> </ul>
<b>Step 4</b>	<b>exit</b> <b>Example:</b> Device(config)# exit	Exits global configuration mode.
<b>Step 5</b>	<b>show cts role-based sgt-map all</b> <b>Example:</b> Device# show cts role-based sgt-map all	Verify that ingressing traffic is tagged with the specified SGT.

## Example: TrustSec Security Group Name Download

The following example shows the SGT download configuration for the ingress interface:

```
Device# config terminal
Device(config)# cts role-based sgt-map interface gigabitEthernet 6/3 sgt 3
Device(config)# exit
```

The following example shows that ingressing traffic for the ingress interface is tagged appropriately:

```
Device# show cts role-based sgt-map all

IP Address                SGT      Source
=====
15.1.1.15                 4        INTERNAL
17.1.1.0/24               3        L3IF
21.1.1.2                  4        INTERNAL
31.1.1.0/24               3        L3IF
31.1.1.2                  4        INTERNAL
43.1.1.0/24               3        L3IF
```

```

49.1.1.0/24          3      L3IF
50.1.1.0/24          3      L3IF
50.1.1.2             4      INTERNAL
51.1.1.1             4      INTERNAL
52.1.1.0/24          3      L3IF
81.1.1.1             5      CLI
102.1.1.1            4      INTERNAL
105.1.1.1            3      L3IF
111.1.1.1            4      INTERNAL

```

IP-SGT Active Bindings Summary

```

=====
Total number of CLI      bindings = 1
Total number of L3IF    bindings = 7
Total number of INTERNAL bindings = 7
Total number of active  bindings = 15

```

## Feature History for TrustSec Security Group Name Download

This table provides release and related information for features explained in this module.

These features are available on all releases subsequent to the one they were introduced in, unless noted otherwise.

Release	Feature	Feature Information
Cisco IOS XE Gibraltar 16.11.1	TrustSec Security Group Name Download	This feature enhances the SGT policy that downloads to the network access device to include the SGT name in addition to the SGT number and SGACL policy.

Use Cisco Feature Navigator to find information about platform and software image support. To access Cisco Feature Navigator, go to <http://www.cisco.com/go/cfn>.

