



Configuring Security Group Tag Mapping

Subnet to security group tag (SGT) mapping binds an SGT to all host addresses of a specified subnet. Once this mapping is implemented, Cisco TrustSec imposes the SGT on any incoming packet that has a source IP address which belongs to the specified subnet.

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Restrictions for SGT Mapping

Restrictions for Subnet-to-SGT Mapping

- An IPv4 subnetwork with a /31 prefix cannot be expanded.
- Subnet host addresses cannot be bound to Security Group Tags (SGT)s when the **network-map** *bindings* parameter is less than the total number of subnet hosts in the specified subnets, or when bindings is 0.
- IPv6 expansions and propagation only occurs when Security Exchange Protocol (SXP) speaker and listener are running SXPv3, or more recent versions.

Information About SGT Mapping Manually

Overview of Subnet-to-SGT Mapping

Subnet-to-SGT mapping binds an SGT to all host addresses of a specified subnet. Cisco TrustSec imposes the SGT on an incoming packet when the packet's source IP address belongs to the specified subnet. The subnet and SGT are specified in the CLI with the **cts role-based sgt-map** *net address/prefix sgt sgt_number* global configuration command. A single host may also be mapped with this command.

In IPv4 networks, Security Exchange Protocol (SXP)v3, and more recent versions, can receive and parse subnet *net_address/prefix* strings from SXPv3 peers. Earlier SXP versions convert the subnet prefix into its set of host bindings before exporting them to an SXP listener peer.

For example, the IPv4 subnet 192.0.2.0/24 is expanded as follows (only 3 bits for host addresses):

- Host addresses 198.0.2.1 to 198.0.2.7—tagged and propagated to SXP peer.
- Network and broadcast addresses 198.0.2.0 and 198.0.2.8—not tagged and not propagated.

To limit the number of subnet bindings SXPv3 can export, use the **cts sxp mapping network-map** global configuration command.

Subnet bindings are static, there is no learning of active hosts. They can be used locally for SGT imposition and SGACL enforcement. Packets tagged by subnet-to-SGT mapping can be propagated on Layer 2 or Layer 3 Cisco TrustSec links.

For IPv6 networks, SXPv3 cannot export subnet bindings to SXPv2 or SXPv1 peers.

Overview of VLAN-to-SGT Mapping

The VLAN-to-SGT mapping feature binds an SGT to packets from a specified VLAN. This simplifies the migration from legacy to Cisco TrustSec-capable networks as follows:

- Supports devices that are not Cisco TrustSec-capable but are VLAN-capable, such as, legacy switches, wireless controllers, access points, VPNs, etc.
- Provides backward compatibility for topologies where VLANs and VLAN ACLs segment the network, such as, server segmentation in data centers.

The VLAN-to-SGT binding is configured with the **cts role-based sgt-map vlan-list** global configuration command.

When a VLAN is assigned a gateway that is a switched virtual interface (SVI) on a Cisco TrustSec-capable switch, and IP Device Tracking is enabled on that switch, then Cisco TrustSec can create an IP-to-SGT binding for any active host on that VLAN mapped to the SVI subnet.

IP-SGT bindings for the active VLAN hosts are exported to SXP listeners. The bindings for each mapped VLAN are inserted into the IP-to-SGT table associated with the VRF the VLAN is mapped to by either its SVI or by the **cts role-based l2-vrf** command.

VLAN-to-SGT bindings have the lowest priority of all binding methods and are ignored when bindings from other sources are received, such as from SXP or CLI host configurations. Binding priorities are listing in the Binding Source Priorities section.

Overview of Layer 3 Logical Interface-to-SGT Mapping (L3IF–SGT Mapping)

L3IF-SGT mapping can directly map SGTs to traffic of any of the following Layer 3 interfaces regardless of the underlying physical interface:

- Routed port
- SVI (VLAN interface)
- Layer 3 subinterface of a Layer 2 port

- Tunnel interface

Use 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).

In cases where Identity Port Mapping (cts interface manual sub mode configuration) and L3IF-SGT require different IP to SGT bindings, IPM takes precedence. All other conflicts among IP to SGT binding are resolved according to the priorities listing in the Binding Source Priorities section.

Binding Source Priorities

Cisco TrustSec resolves conflicts among IP-SGT binding sources with a strict priority scheme. For example, an SGT may be applied to an interface with the **policy {dynamic identity peer-name | static sgt tag}** Cisco Trustsec Manual interface mode command (Identity Port Mapping). The current priority enforcement order, from lowest (1) to highest (7), is as follows:

1. VLAN—Bindings learned from snooped ARP packets on a VLAN that has VLAN-SGT mapping configured.
2. CLI— Address bindings configured using the IP-SGT form of the cts role-based sgt-map global configuration command.
3. Layer 3 Interface—(L3IF) Bindings added due to FIB forwarding entries that have paths through one or more interfaces with consistent L3IF-SGT mapping or Identity Port Mapping on routed ports.
4. SXP—Bindings learned from SXP peers.
5. IP_ARP—Bindings learned when tagged ARP packets are received on a CTS capable link.
6. LOCAL—Bindings of authenticated hosts which are learned via EPM and device tracking. This type of binding also include individual hosts that are learned via ARP snooping on L2 [I]PM configured ports.
7. INTERNAL—Bindings between locally configured IP addresses and the device own SGT.

How to Configure SGT Mapping

Configuring a Device SGT Manually

In normal Cisco TrustSec operation, the authentication server assigns an SGT to the device for packets originating from the device. You can manually configure an SGT to be used if the authentication server is not accessible, but an authentication server-assigned SGT will take precedence over a manually-assigned SGT.

To manually configure an SGT on the device, perform this task:

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **cts sgt tag**
4. **exit**

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable Example: Device# enable	Enables privileged EXEC mode. • Enter your password if prompted.
Step 2	configure terminal Example: Device# configure terminal	Enters global configuration mode.
Step 3	cts sgt tag Example: Device(config)# cts sgt 1234	Enables SXP for Cisco TrustSec.
Step 4	exit Example: Device(config)# exit	Exits global configuration mode and returns to privileged EXEC mode

Configuring Subnet-to-SGT Mapping

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **cts sxp mapping network-map bindings**
4. **cts role-based sgt-map ipv4_address/prefix sgt number**
5. **cts role-based sgt-map ipv6_address::prefix sgt number**
6. **exit**

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable Example: Device# enable	Enables privileged EXEC mode. • Enter your password if prompted.
Step 2	configure terminal Example: Device# configure terminal	Enters global configuration mode.
Step 3	cts sxp mapping network-map bindings Example: Device(config)# cts sxp mapping network-map 10000	• Configures the Subnet to SGT Mapping host count constraint. The bindings argument specifies the maximum number of subnet IP hosts that can be bound to SGTs and exported to the SXP listener.

	Command or Action	Purpose
		<ul style="list-style-type: none"> <i>bindings</i>—(0 to 65,535) default is 0 (no expansions performed)
Step 4	cts role-based sgt-map <i>ipv4_address/prefix</i> sgt number Example: <pre>Device(config)# cts role-based sgt-map 10.10.10.10/29 sgt 1234</pre>	<p>(IPv4) Specifies a subnet in CIDR notation.</p> <ul style="list-style-type: none"> Use the <i>no</i> form of the command to unconfigure the Subnet to SGT mapping. The number of bindings specified in Step 2 should match or exceed the number of host addresses in the subnet (excluding network and broadcast addresses). The sgt number keyword specifies the Security Group Tag to be bound to every host address in the specified subnet. <i>ipv4_address</i>—Specifies the IPv4 network address in dotted decimal notation. <i>prefix</i>—(0 to 30) Specifies the number of bits in the network address. sgt number—(0–65,535) Specifies the Security Group Tag (SGT) number.
Step 5	cts role-based sgt-map <i>ipv6_address::prefix</i> sgt number Example: <pre>Device(config)# cts role-based sgt-map 2020::/64 sgt 1234</pre>	<p>(IPv6) Specifies a subnet in colon hexadecimal notation. Use the <i>no</i> form of the command to unconfigure the Subnet to SGT mapping.</p> <p>The number of bindings specified in Step 2 should match or exceed the number of host addresses in the subnet (excluding network and broadcast addresses). The sgt number keyword specifies the Security Group Tag to be bound to every host address in the specified subnet.</p> <ul style="list-style-type: none"> <i>ipv6_address</i>—Specifies IPv6 network address in colon hexadecimal notation. <i>prefix</i>—(0 to 128) Specifies the number of bits in the network address. sgt number—(0–65,535) Specifies the Security Group Tag (SGT) number.
Step 6	exit Example: <pre>Device(config)# exit</pre>	Exits global configuration mode and returns to privileged EXEC mode..

Configuring VLAN-to-SGT Mapping

Task Flow for Configuring VLAN-SGT Mapping on a Cisco TrustSec device.

- Create a VLAN on the device with the same VLAN_ID of the incoming VLAN.

- Create an SVI for the VLAN on the device to be the default gateway for the endpoint clients.
- Configure the device to apply an SGT to the VLAN traffic.
- Enable IP Device tracking on the device.
- Attach a device tracking policy to a VLAN.

**Note**

In a multi-switch network, SISF-based device tracking provides the capability to distribute binding table entries between switches running the feature. This assumes that binding entries are created on the switches where the host appears on an access port, and no entry is created for a host that appears over a trunk port. To achieve this in a multi-switch setup, we recommend that you configure another policy and attach it to the trunk port, as described in the *Configuring a Multi-Switch Network to Stop Creating Binding Entries from a Trunk Port* procedure, in the *Configuring SISF-Based Device Tracking* chapter of the *Security Configuration Guide*.

- Verify that VLAN-to-SGT mapping occurs on the device.

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **vlan *vlan_id***
4. **[no] shutdown**
5. **exit**
6. **interface *type slot/port***
7. **ip address *slot/port***
8. **[no] shutdown**
9. **exit**
10. **cts role-based sgt-map vlan-list *vlan_id* sgt *sgt_number***
11. **device-tracking policy *policy-name***
12. **tracking enable**
13. **exit**
14. **vlan configuration *vlan_id***
15. **device-tracking attach-policy *policy-name***
16. **end**
17. **show cts role-based sgt-map {*ipv4_netaddr* | *ipv4_netaddr/prefix* | *ipv6_netaddr* | *ipv6_netaddr/prefix* | all [*ipv4* | *ipv6*] | host { *ipv4__addr* | *ipv6_addr* } | summary [*ipv4* | *ipv6*] }**
18. **show device-tracking policy *policy-name***

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable	Enables privileged EXEC mode.

	Command or Action	Purpose
	Example: Device# enable	<ul style="list-style-type: none"> • Enter your password if prompted.
Step 2	configure terminal Example: Device# configure terminal	Enters global configuration mode.
Step 3	vlan <i>vlan_id</i> Example: Device(config)# vlan 100	Creates VLAN 100 on the TrustSec-capable gateway device and enters VLAN configuration mode.
Step 4	[no] shutdown Example: Device(config-vlan)# no shutdown	Provisions VLAN 100.
Step 5	exit Example: Device(config-vlan)# exit	Exits VLAN configuration mode and returns to global configuration mode.
Step 6	interface <i>type slot/port</i> Example: Device(config)# interface vlan 100	Specifies the interface type and enters interface configuration mode.
Step 7	ip address <i>slot/port</i> Example: Device(config-if)# ip address 10.1.1.2 255.0.0.0	Configures Switched Virtual Interface (SVI) for VLAN 100.
Step 8	[no] shutdown Example: Device(config-if)# no shutdown	Enables the SVI.
Step 9	exit Example: Device(config-if)# exit	Exits interface configuration mode and returns to global configuration mode.
Step 10	cts role-based sgt-map vlan-list <i>vlan_id</i> sgt <i>sgt_number</i> Example: Device(config)# cts role-based sgt-map vlan-list 100 sgt 10	Assigns the specified SGT to the specified VLAN.
Step 11	device-tracking policy <i>policy-name</i> Example: Device(config)# device-tracking policy policy1	Specifies the policy and enters device-tracking policy configuration mode.

	Command or Action	Purpose
Step 12	tracking enable Example: Device(config-device-tracking)# tracking enable	Overrides the default device tracking settings for the policy attribute.
Step 13	exit Example: Device(config-device-tracking)# exit	Exits device-tracking policy configuration mode and returns to global configuration mode.
Step 14	vlan configuration <i>vlan_id</i> Example: Device(config)# vlan configuration 100	Specifies the VLAN to which the device tracking policy will be attached, and enters the VLAN configuration mode.
Step 15	device-tracking attach-policy <i>policy-name</i> Example: Device(config-vlan-config)# device-tracking attach-policy policy1	Attaches a device tracking policy to the specified VLAN.
Step 16	end Example: Device(config-vlan-config)# end	Exits VLAN configuration mode and returns to privileged EXEC mode.
Step 17	show cts role-based sgt-map {<i>ipv4_netaddr</i> <i>ipv4_netaddr/prefix</i> <i>ipv6_netaddr</i> <i>ipv6_netaddr/prefix</i> all [<i>ipv4</i> <i>ipv6</i>] host { <i>ipv4_addr</i> <i>ipv6_addr</i> } summary [<i>ipv4</i> <i>ipv6</i>]} Example: Device# show cts role-based sgt-map all	(Optional) Displays the VLAN-to-SGT mappings.
Step 18	show device-tracking policy <i>policy-name</i> Example: Device# show device-tracking policy policy1	(Optional) Displays the current policy attributes.

Configuring L3IF-to-SGT Mapping

SUMMARY STEPS

1. enable
2. configure terminal
3. cts role-based sgt-map interface *type slot/port* [*security-group name* | *sgt number*]
4. exit
5. show cts role-based sgt-map all

DETAILED STEPS

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

Emulating the Hardware Keystore

In cases where a hardware keystore is not present or is unusable, you can configure the switch to use a software emulation of the keystore. To configure the use of a software keystore, perform this task:

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **cts keystore emulate**
4. **exit**
5. **show keystore**

DETAILED STEPS

	Command or Action	Purpose
Step 1	enable	Enables privileged EXEC mode.

	Command or Action	Purpose
	Example: Device# enable	<ul style="list-style-type: none"> Enter your password if prompted.
Step 2	configure terminal Example: Device# configure terminal	Enters global configuration mode.
Step 3	cts keystore emulate Example: Device(config)# cts keystore emulate	Configures the switch to use a software emulation of the keystore instead of the hardware keystore.
Step 4	exit Example: Device(config)# exit	Exits configuration mode.
Step 5	show keystore Example: Device# show keystore	Displays the status and contents of the keystore. The stored secrets are not displayed.

Verifying SGT Mapping

Verifying Subnet-to-SGT Mapping Configuration

To display Subnet-to-SGT Mapping configuration information, use one of the following show commands:

Command	Purpose
show cts sxp connections	Displays the SXP speaker and listener connections with their operational status.
show cts sxp sgt-map	Displays the IP to SGT bindings exported to the SXP listeners.
show running-config	Verifies that the subnet-to-SGT configurations commands are in the running configuration file.

Verifying VLAN-to-SGT Mapping

To display VLAN-to-SGT configuration information, use the following show commands:

Table 1:

Command	Purpose
<code>show ip device tracking</code>	Displays the status of IP Device Tracking which identifies the IP addresses of active hosts on a VLAN.
<code>show cts role-based sgt-map</code>	Displays IP address-to-SGT bindings.

Verifying L3IF-to-SGT Mapping

To display L3IF-to-SGT configuration information, use the following show command:

Command	Purpose
<code>show cts role-based sgt-map all</code>	Displays all IP address-to-SGT bindings..

Configuration Examples for SGT Mapping

Example: Configuring a Device SGT Manually

```
Device# configure terminal
Device(config)# cts sgt 1234
Device(config)# exit
```

Example: Configuration for Subnet-to-SGT Mapping

The following example shows how to configure IPv4 Subnet-to-SGT Mapping between devices running SXPv3 (Device1 and Device2):

1. Configure SXP speaker/listener peering between devices.

```
Device1# configure terminal
Device1(config)# cts sxp enable
Device1(config)# cts sxp default source-ip 1.1.1.1
Device1(config)# cts sxp default password 1syzygy1
Device1(config)# cts sxp connection peer 2.2.2.2 password default mode local speaker
```

2. Configure Device2 as SXP listener of Device1.

```
Device2(config)# cts sxp enable
Device2(config)# cts sxp default source-ip 2.2.2.2
Device2(config)# cts sxp default password 1syzygy1
Device2(config)# cts sxp connection peer 1.1.1.1 password default mode local listener
```

3. On Device2, verify that the SXP connection is operating:

Example: Configuration for VLAN-to-SGT Mapping for a Single Host Over an Access Link

```
Device2# show cts sxp connections brief | include 1.1.1.1
1.1.1.1          2.2.2.2          On          3:22:23:18
(dd:hr:mm:sec)
```

4. Configure the subnetworks to be expanded on Device1.

```
Device1(config)# cts sxp mapping network-map 10000
Device1(config)# cts role-based sgt-map 10.10.10.0/30 sgt 101
Device1(config)# cts role-based sgt-map 11.11.11.0/29 sgt 11111
Device1(config)# cts role-based sgt-map 192.168.1.0/28 sgt 65000
```

5. On Device2, verify the subnet-to-SGT expansion from Device1. There should be two expansions for the 10.10.10.0/30 subnetwork, six expansions for the 11.11.11.0/29 subnetwork, and 14 expansions for the 192.168.1.0/28 subnetwork.

```
Device2# show cts sxp sgt-map brief | include 101|11111|65000
IPv4,SGT: <10.10.10.1 , 101>
IPv4,SGT: <10.10.10.2 , 101>
IPv4,SGT: <11.11.11.1 , 11111>
IPv4,SGT: <11.11.11.2 , 11111>
IPv4,SGT: <11.11.11.3 , 11111>
IPv4,SGT: <11.11.11.4 , 11111>
IPv4,SGT: <11.11.11.5 , 11111>
IPv4,SGT: <11.11.11.6 , 11111>
IPv4,SGT: <192.168.1.1 , 65000>
IPv4,SGT: <192.168.1.2 , 65000>
IPv4,SGT: <192.168.1.3 , 65000>
IPv4,SGT: <192.168.1.4 , 65000>
IPv4,SGT: <192.168.1.5 , 65000>
IPv4,SGT: <192.168.1.6 , 65000>
IPv4,SGT: <192.168.1.7 , 65000>
IPv4,SGT: <192.168.1.8 , 65000>
IPv4,SGT: <192.168.1.9 , 65000>
IPv4,SGT: <192.168.1.10 , 65000>
IPv4,SGT: <192.168.1.11 , 65000>
IPv4,SGT: <192.168.1.12 , 65000>
IPv4,SGT: <192.168.1.13 , 65000>
IPv4,SGT: <192.168.1.14 , 65000>
```

6. Verify the expansion count on Device1:

```
Device1# show cts sxp sgt-map
IP-SGT Mappings expanded:22
There are no IP-SGT Mappings
```

7. Save the configurations on Device1 and Device2 and exit global configuration mode.

```
Device1(config)# copy running-config startup-config
Device1(config)# exit
Device2(config)# copy running-config startup-config
Device2(config)# exit
```

Example: Configuration for VLAN-to-SGT Mapping for a Single Host Over an Access Link

In the following example, a single host connects to VLAN 100 on an access device. A switched virtual interface on the TrustSec device is the default gateway for the VLAN 100 endpoint (IP Address 10.1.1.1). The TrustSec device imposes Security Group Tag (SGT) 10 on packets from VLAN 100.

1. Create VLAN 100 on an access device.

```
access_device# configure terminal
access_device(config)# vlan 100
access_device(config-vlan)# no shutdown
access_device(config-vlan)# exit
access_device(config)#
```

2. Configure the interface to the TrustSec device as an access link. Configurations for the endpoint access port are omitted in this example.

```
access_device(config)# interface gigabitEthernet 6/3
access_device(config-if)# switchport
access_device(config-if)# switchport mode access
access_device(config-if)# switchport access vlan 100
```

3. Create VLAN 100 on the TrustSec device.

```
TS_device(config)# vlan 100
TS_device(config-vlan)# no shutdown
TS_device(config-vlan)# end
TS_device#
```

4. Create an SVI as the gateway for incoming VLAN 100.

```
TS_device(config)# interface vlan 100
TS_device(config-if)# ip address 10.1.1.2 255.0.0.0
TS_device(config-if)# no shutdown
TS_device(config-if)# end
TS_device(config)#
```

5. Assign Security Group Tag (SGT) 10 to hosts on VLAN 100.

```
TS_device(config)# cts role-based sgt-map vlan 100 sgt 10
```

6. Enable IP Device Tracking on the TrustSec device. Verify that it is operating.

```
TS_device(config)# ip device tracking
TS_device# show ip device tracking all
```

```
IP Device Tracking = Enabled
IP Device Tracking Probe Count = 3
IP Device Tracking Probe Interval = 100
```

```
-----
IP Address      MAC Address    Vlan    Interface    STATE
-----
Total number interfaces enabled: 1
Vlan100
```

7. (Optional) PING the default gateway from an endpoint (in this example, host IP Address 10.1.1.1). Verify that SGT 10 is being mapped to VLAN 100 hosts.

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

```
Active IP-SGT Bindings Information
```

```
IP Address      SGT      Source
=====
10.1.1.1        10       VLAN
```

```
IP-SGT Active Bindings Summary
```

```
=====
Total number of VLAN bindings = 1
```

Example: Configuration for L3IF-to-SGT Mapping on an Ingress Port

```
Total number of CLI bindings = 0
Total number of active bindings = 1
```

Example: Configuration for L3IF-to-SGT Mapping on an Ingress Port

In the following example a Layer 3 interface of a device linecard is configured to tag all ingress traffic with SGT 3. Prefixes of attached subnets are already known.

1. Configure the interface.

```
Device# configure terminal
Device(config)# interface gigabitEthernet 6/3 sgt 3
Device(config)# exit
```

2. Verify that the ingress traffic to the 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
```

Example: Emulating the Hardware Keystore

This example shows how to configure and verify the use of a software keystore:

```
Device# configure terminal
Device(config)# cts keystore emulate
Device(config)# exit
Device# show keystore
No hardware keystore present, using software emulation.
Keystore contains the following records (S=Simple Secret, P=PAC, R=RSA):
Index   Type   Name
-----
0       S      CTS-password
1       P      ECF05BB8DFAD854E8376DEA4EF6171CF
```

Feature History for Security Group Tag Mapping

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 Everest 16.6.1	Security Group Tag Mapping	Subnet to SGT mapping binds an SGT to all host addresses of a specified subnet. Once this mapping is implemented, Cisco TrustSec imposes the SGT on any incoming packet that has a source IP address which belongs to the specified subnet.

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>.

