



# Cisco TrustSec Platform and Capability Matrix

Cisco TrustSec uniquely builds upon your existing identity-aware infrastructure by enforcing segmentation and access control policies in a scalable manner using the capabilities detailed below:

This table lists latest IOS, IOS-XE, and NX-OS versions that support the TrustSec features. This version is aligned with TrustSec 5.2 Solution validation. Solution-Level validated versions may not always represent the latest available firmware versions on given platforms.

Platform		Capabilities				Note		
Categories	Platform Name	Security Group Tag (SGT) Classification & Mapping	SGT Exchange Protocol (SXP) Support (role / version)	Inline SGT Tagging	SGT Enforcement	Firmware Version to support "all" capabilities listed	Solution Validated Version	License
Cisco Identity Services Engine	Cisco ISE 3415 and 3495 Appliance and VMware	IP-to-SGT mapping & provisioning to switches				Cisco ISE 1.2 Patch 1	Cisco ISE 1.3 Patch1	Base License
Cisco Catalyst® 2000 Series	Cisco Catalyst 2960 Series Switches (includes 2960G, 2960PD)							
	Cisco Catalyst 2960-Plus Series Switches	802.1X MAB Web Auth IP-to-SGT VLAN-to-SGT Subnet-to-SGT	Speaker (version 4)			Cisco IOS 15.2(2)E	-	LAN Base K9
	Cisco Catalyst 2960-C Series	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Subnet-to-SGT	Speaker (version 4)			Cisco IOS 15.2(2)E	-	LAN Base K9
	Cisco Catalyst 2960-CX Series	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Subnet-to-SGT	Speaker (version 4)			Cisco IOS 15.2(3)E	-	LAN Base K9
	Cisco Catalyst 2960-S and 2960-SF Series	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Subnet-to-SGT	Speaker (version 4)			Cisco IOS 15.2(2)E	Cisco IOS 15.0(2)SE 2	LAN Base K9

Platform		Capabilities				Note		
Categories	Platform Name	Security Group Tag (SGT) Classification & Mapping	SGT Exchange Protocol (SXP) Support (role / version)	Inline SGT Tagging	SGT Enforcement	Firmware Version to support "all" capabilities listed	Solution Validated Version	License
	Cisco Catalyst 2960-X and 2960-XR Series	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Subnet-to-SGT	Speaker (version 4)			Cisco IOS 15.2(2)E	Cisco IOS 15.0(2)EX 4	LAN Base K9
Cisco Catalyst 3000 Series	Cisco Catalyst 3560-E and 3750-E Series	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT	Speaker Listener (version 2)			Cisco IOS 15.0(2)SE5	Cisco IOS 15.0(2)SE 5	IP Base K9
	Cisco Catalyst 3560-C/CG Series	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Subnet-to-SGT	Speaker Listener (version 4)			Cisco IOS 15.2(2)E	Cisco IOS 15.0(1)SE 2	IP Base K9
	Cisco Catalyst 3560-CX Series	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Subnet-to-SGT	Speaker Listener (version 4)			Cisco IOS 15.2(3)E	-	IP Base K9
	Cisco Catalyst 3560-X and 3750-X Series	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Subnet-to-SGT	Speaker Listener (version 4)	SGT over Ethernet, SGT over MACsec (with built-in ports & C3KX-SM-10G)	SGACL	Cisco IOS 15.2(2)E	Cisco IOS 15.2(3) E	IP Base K9
	Cisco Catalyst 3650 and 3850 Series	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Port-to-SGT Subnet to SGT L3IF-to-SGT	Speaker Listener (version 4)	SGT over Ethernet, SGT over MACsec	SGACL	Cisco IOS-XE 3.6.0SE	Cisco IOS-XE 3.3.4SE 3.7.0E	IP Base K9
Cisco Catalyst 4000 Series	Cisco Catalyst 4500 Supervisor Engine 6-E and 6L-E	802.1X MAB WEB AUTH IP-to-SGT	Speaker Listener (version 4)			Cisco IOS 15.1.(1)SG	Cisco IOS 15.1.(1)S G	IP Base K9
	Cisco Catalyst 4948 Series	802.1X MAB WEB AUTH IP-to-SGT	Speaker Listener (version 4)			Cisco IOS 15.1.(1)SG	-	IP Base K9

Platform		Capabilities				Note		
Categories	Platform Name	Security Group Tag (SGT) Classification & Mapping	SGT Exchange Protocol (SXP) Support (role / version)	Inline SGT Tagging	SGT Enforcement	Firmware Version to support "all" capabilities listed	Solution Validated Version	License
	Cisco Catalyst 4500 Supervisor Engine 7-E and 7L-E	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Port-to-SGT Subnet to SGT L3IF-to-SGT	Speaker Listener (version 4)	Yes* (See footnote for list of supported line cards)	SGACL	Cisco IOS XE 3.5.1E	Cisco IOS XE 3.5.1E	IP Base K9
	Cisco Catalyst 4500 Supervisor Engine 8-E	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Port-to-SGT Subnet to SGT (SRC & DST) L3IF-to-SGT	Speaker Listener (version 4)	SGT over Ethernet, SGT over MACsec	SGACL	Cisco IOS XE 3.6.0E	Cisco IOS-XE 3.3.0XO	IP Base K9
	Cisco Catalyst 4500-X Series	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Port-to-SGT Subnet to SGT L3IF-to-SGT	Speaker Listener (version 4)	SGT over Ethernet, SGT over MACsec	SGACL	Cisco IOS XE 3.5.1E	Cisco IOS XE 3.5.1E	IP Base K9
Cisco Catalyst 6500 Series	Cisco Catalyst 6500 Series Supervisor Engine 32 and 720	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT (15.2) Port-to-SGT(15.2) Subnet-to-SGT(15.2)	Speaker Listener (version 4 - 15.1(2)SY3 , version 2 - 12.2(33)SX l)			Cisco IOS 15.1(2)SY3 12.2(33)SX J2	Cisco IOS 12.2(33)SX J2	IP Base K9
	Cisco Catalyst 6500 Series Supervisor Engine 2T	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Port-to-SGT Subnet-to-SGT L3IF-to-SGT	Speaker Listener (version 4)	SGT over Ethernet, SGT over MACsec (requires WS-X6900 line card)	SGACL	Cisco IOS 15.1(2)SY1	Cisco IOS 15.1(2)SY 4	IP Base K9
	Cisco Catalyst 6800 and 6800ia	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Port-to-SGT Subnet-to-SGT L3IF-to-SGT	Speaker Listener (version 4)	SGT over Ethernet, SGT over MACsec (requires WS-X6900 for Catalyst 6807)	SGACL	Cisco IOS 15.1(2)SY1	Cisco IOS 15.0(1)SY 1 (Catalyst 6880-X)	IP Base K9

Platform		Capabilities				Note		
Categories	Platform Name	Security Group Tag (SGT) Classification & Mapping	SGT Exchange Protocol (SXP) Support (role / version)	Inline SGT Tagging	SGT Enforcement	Firmware Version to support "all" capabilities listed	Solution Validated Version	License
Cisco Connected Grid Routers and Switches	Cisco 2010 Connected Grid Routers	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT	Speaker Listener (version 4)	SGT over GETVPN or IPsecVPN (No SGT over Ethernet)	SG Firewall	Cisco IOS 15.4(1)T	Cisco IOS 15.4(1)T	
	Cisco 2500 Series Connected Grid Switches	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Port-to-SGT Subnet to SGT	Speaker Listener (version 3)			Cisco IOS 15.0(2)EK1	Cisco IOS 15.0(2)EK1	
Cisco Industrial Ethernet Switches	Cisco IE 2000 Series	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Port-to-SGT Subnet to SGT	Speaker Listener (version 3)			Cisco IOS 15.2(1)EY	-	LAN Lite License does not support TrustSec
	Cisco IE 3000 Series	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Port-to-SGT Subnet to SGT	Speaker Listener (version 3)			Cisco IOS 15.2(1)EY	Cisco IOS 15.2(1)EY	LAN Lite License does not support TrustSec
	Cisco IE 4000 Series	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Port-to-SGT Subnet to SGT	Speaker Listener (version 3)			Cisco IOS 15.2(2)EA	-	LAN Lite License does not support TrustSec
Cisco Wireless Controllers	Cisco Wireless LAN Controller 5500 Series and 2500 Series; Cisco Wireless Services Module 2 (WiSM2)	802.1X MAB WEB AUTH	Speaker (version 2)  FlexConnect Central Switching Mode and Centralized mode support SXP (AirOS8.0) <u>Local Switch Mode does not support SXP</u>			Cisco AirOS 7.4.121.0 7.6.130.0	Cisco AirOS 8.0.100.0	
	Cisco Wireless LAN							

Platform		Capabilities				Note		
Categories	Platform Name	Security Group Tag (SGT) Classification & Mapping	SGT Exchange Protocol (SXP) Support (role / version)	Inline SGT Tagging	SGT Enforcement	Firmware Version to support "all" capabilities listed	Solution Validated Version	License
	Controller 7500, 8500 and vWLC							
	Cisco 5760 Wireless LAN Controller	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT Port-to-SGT Subnet-to-SGT	Speaker Listener (version 4)	SGT over Ethernet	SGACL	Cisco IOS XE 3.3.1SE	-	IP Base K9
Cisco Nexus® Data Center Switches	All except F3 Cisco Nexus 7000 line cards and chassis (except F1 Series module)	IP-to-SGT VLAN-to-SGT Port-to-SGT PortProfile-to-SGT (Known Limitation: vPC/Fabric Path are not supported with some TrustSec features**)	Speaker Listener (version 1)	SGT over Ethernet, SGT over MACsec (MACsec supported on all line cards except F1,F2, F3 40/100G line cards)	SGACL	Cisco NX-OS 6.2(8)	Cisco NX-OS 6.2(10)	SGT support in Base license 6.1 and later
	Nexus 7000 F3 line cards and chassis	IP-to-SGT PortProfile-to-SGT VLAN-to-SGT with vPC/VPC+ Port-to-SGT with vPC/VPC+	Speaker Listener (version 1)	SGT over Ethernet, SGT over MACsec (MACsec supported on CE ports)	SGACL	Cisco NX-OS 7.2(0)D1(1)		SGT support in Base license 7.2 and later
	Cisco Nexus 6000/5600 Series	Port-to-SGT	Speaker (version 1)	SGT over Ethernet	SGACL	Cisco NX-OS 7.0(1)N1(1)	Cisco NX-OS 7.0(5)N1(1) 7.1(0)N1(1a)	
	Cisco Nexus 5548P, 5548UP, and 5596UP (Note: No support for 5010 or 5020)	Port-to-SGT	Speaker (version 1)	SGT over Ethernet	SGACL	Cisco NX-OS 6.0(2)N2(5)	Cisco NX-OS 7.0(5)N1(1), 6.0(2)N2(5)	
	Cisco Nexus 1000V for VMware vSphere	IP-to-SGT PortProfile-to-SGT	Speaker (version 1)	SGT over Ethernet	SGACL	Cisco NX-OS 5.2(1)SV3(1.1) (required for SGT/SGACL Support)	Cisco NX-OS 5.2(1)SV3(1.2)	Advanced License required

Platform		Capabilities				Note		
Categories	Platform Name	Security Group Tag (SGT) Classification & Mapping	SGT Exchange Protocol (SXP) Support (role / version)	Inline SGT Tagging	SGT Enforcement	Firmware Version to support "all" capabilities listed	Solution Validated Version	License
Cisco UCS 6200 Series Fabric Interconnects	Cisco UCS 6248UP Fabric Interconnect						2.2(3c)	
Cisco Integrated Services Router (ISR) G2	Cisco 890	IP-to-SGT Subnet-to-SGT L3IF-to-SGT	Speaker Listener (version 4)	SGT over GETVPN, IPsec VPN, DMVPN	SG Firewall	Cisco IOS 15.4(3)M	Cisco IOS 15.2(2)T	ISR SEC/K9
	Cisco 1900, 2900, 3900 Series	IP-to-SGT Subnet-to-SGT L3IF-to-SGT	Speaker Listener (version 4)	SGT over Ethernet, SGT over GETVPN, IPsec VPN, DMVPN	SG Firewall	Cisco IOS 15.4(3)M	Cisco IOS 15.2(2)T	ISR SEC/K9
	Cisco ISR 4451-X	IP-to-SGT Subnet-to-SGT L3IF-to-SGT	Speaker Listener (version 4)	SGT over Ethernet, SGT over GETVPN, IPsec VPN, DMVPN	SG Firewall	Cisco IOS- XE 3.13(0)S	Cisco IOS-XE 3.11(0)S	ISR SEC/K9
	Cisco ISR G2 Series SM-X Layer 2/3 EtherSwitch Module	802.1X MAB WEB AUTH IP-to-SGT VLAN-to-SGT	Speaker Listener (version 4)	SGT over Ethernet, SGT over MACsec	SGACL	Cisco IOS 15.2(2)E	Cisco IOS 15.0(2)EJ 1	ISR SEC/K9
	Cloud Services Router 1000V Series	IP-to-SGT Subnet-to-SGT L3IF-to-SGT	Speaker Listener (version 4)	SGT over Ethernet, SGT, IPsec VPN, DMVPN	SG Firewall	Cisco IOS XE 3.11(0)S	-	ISR SEC/K9
Cisco ASR 1000 Series Aggregation Services Routers	Cisco ASR 1000 Series Router Processor 1 or 2 (RP1/RP2); ASR 1001, 1002/4/6, and 1013 Routers with Embedded Services Processor (10, 20, or 40 Gbps) and SPA Interface Processor (10/40)	IP-to-SGT Subnet-to-SGT L3IF-to-SGT	Speaker Listener (version 4)	SGT over Ethernet, SGT over GETVPN, IPsec VPN, DMVPN	SG Firewall	Cisco IOS XE 3.13(0)S	Cisco IOS-XE 3.11(0)S	ASR1000 SEC- FW

Platform		Capabilities				Note		
Categories	Platform Name	Security Group Tag (SGT) Classification & Mapping	SGT Exchange Protocol (SXP) Support (role / version)	Inline SGT Tagging	SGT Enforcement	Firmware Version to support "all" capabilities listed	Solution Validated Version	License
	Cisco ASR1001-X and 1002-X	IP-to-SGT Subnet-to-SGT L3IF-to-SGT	Speaker Listener (version 4)	SGT over Ethernet, SGT over GETVPN, IPsec VPN, DMVPN	SG Firewall	Cisco IOS XE 3.13. 0S	-	ASR1000 SEC-FW
Cisco ASA 5500 and 5500-X Series	Cisco ASA 5505, 5510, 5520, 5540, 5550, 5580		Speaker Listener (version 2)		SG Firewall	ASA 9.0.1, ASDM 7.1.6	Cisco ASA 9.0.1	
	Cisco ASA v	Remote Access VPN (IPSec, SSL-VPN)	Speaker Listener (version 2)	SGT over Ethernet	SG Firewall	ASA 9.3.1, ASDM 7.1.6	-	
	Cisco ASA 5512-X, 5515-X, 5525-X, 5545-X, 5555-X, 5585-X with FirePower	Remote Access VPN (IPSec, SSL-VPN)	Speaker Listener (version 2)	SGT over Ethernet	SG Firewall	ASA 9.3.1, ASDM 7.1.6	ASA9.3.1, ASDM 7.3.1	

For the secure access solution compatibility matrix, please visit <http://www.cisco.com/go/ise>.

#### Notes

- "Firmware Version to support "all" capabilities listed" represents the version to support all the capabilities listed for that platform. It does not always represent availability of a specific feature set. For example, Cisco Catalyst 3560-E and 3750-E Series supports dynamic classification as well as other static classifications such as IP-SGT and VLAN-SGT mapping features. In order to use all of those features, the switch needs to be running at least Cisco IOS 15.0(2)SE5.
- Product part numbers of supported line cards for inline SGT on the Cisco Catalyst 4500 Supervisor Engine 7-E and Supervise Engine 7L-E include the following: WS-X4712-SFP+E, WS-X4748-UPOE+E, WS-X4748-RJ45V+E, WS-X4748-RJ45-E, WS-X4640-CSP-E.
- IP to SGT, VLAN to SGT, subnet to SGT, port profile to SGT, port to SGT (also known as L2IF to SGT in some platform documentation), and L3IF to SGT use the static classification method.
- For Cisco TrustSec classification, propagation, and enforcement, an IP Base K9 license is required for Cisco Catalyst 3560, 3560-E, 3750, 3750-E, 3560-C, 3560-X, 3750-X, 4500 Sup6(L)-E, 4500 Sup7(L)-E, 6500 Sup720, and 6500 Sup2T.

- 
- \*\* Currently Nexus 7000 supports IP-SGT binding for static classification method when vPC+/FabricPath are configured.



---

**Americas Headquarters**  
Cisco Systems, Inc.  
San Jose, CA

**Asia Pacific Headquarters**  
Cisco Systems (USA) Pte. Ltd.  
Singapore

**Europe Headquarters**  
Cisco Systems International BV Amsterdam,  
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at [www.cisco.com/go/offices](http://www.cisco.com/go/offices).

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: [www.cisco.com/go/trademarks](http://www.cisco.com/go/trademarks). Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)