Configurer TrustSec SXP entre ISE et ASAv

Contenu

Introduction Conditions préalables Conditions requises **Components Used** Diagramme du réseau Adresses IP Configuration initiale Périphérique réseau ISE Enregistrer ASA comme périphérique réseau Générer un PAC hors bande (OOB) (Protected Access Credential) et télécharger Configuration du serveur ASDM AAA Créer un groupe de serveurs AAA Ajouter un serveur au groupe de serveurs Importer un PAC téléchargé à partir de ISE Actualiser les données de l'environnement Vérification Journaux en direct ISE Groupes de sécurité ISE PAC ASDM Groupes de données et de sécurité de l'environnement ASDM Configuration ASDM SXP Activer SXP Définir l'adresse IP source SXP par défaut et le mot de passe SXP par défaut Aiouter un homologue SXP Configuration ISE SXP Paramètre de mot de passe SXP global Ajouter un périphérique SXP Vérification SXP Vérification ISE SXP Mappages ISE SXP Vérification ASDM SXP ASDM a appris les mappages IP SXP vers SGT Capture de paquets sur ISE

Introduction

Ce document décrit comment configurer une connexion SXP (Security Group Exchange Protocol) entre ISE (Identity Services Engine) et ASAv (Virtual Adaptive Security Appliance).

SXP est le SGT (Security Group Tag) Exchange Protocol utilisé par TrustSec pour propager les

mappages IP/SGT aux périphériques TrustSec. SXP a été développé pour permettre aux réseaux, y compris les périphériques tiers ou les périphériques Cisco existants qui ne prennent pas en charge le marquage en ligne SGT, d'avoir des fonctionnalités TrustSec. SXP est un protocole d'appairage, un périphérique agit en tant que haut-parleur et l'autre en tant qu'écouteur. Le hautparleur SXP est responsable de l'envoi des liaisons IP-SGT et l'écouteur est responsable de la collecte de ces liaisons. La connexion SXP utilise le port TCP 64999 comme protocole de transport sous-jacent et MD5 pour l'intégrité/l'authenticité des messages.

SXP a été publié en tant que brouillon IETF à l'adresse suivante :

https://datatracker.ietf.org/doc/draft-smith-kandula-sxp/

Conditions préalables

Conditions requises

Matrice de compatibilité TrustSec :

http://www.cisco.com/c/en/us/solutions/enterprise-networks/trustsec/solution-overview-listing.html

Components Used

ISE 2.3

ASAv 9.8.1

ASDM 7.8.1.150

Diagramme du réseau



Adresses IP

ISE: 14.36.143.223

ASAv: 14.36.143.30

Configuration initiale

Périphérique réseau ISE

Enregistrer ASA comme périphérique réseau

WorkCenters > TrutSec > Components > Network Devices > Add

Network Devices List > New Network Devices	work Device	
* Name Description	ASAv	
IP Address + * I	P: 14.36.143.30	/ 32

2				
	RADIUS UDP Settings			
		Protocol	RADIUS	2277-11-00 (Y - 2)
		* Shared Secret	Cisc0123	Hide
		CoA Port	1700	Set To Default

 Device Authentication Settings 		
Use Device ID for TrustSec Identification		
Device Id	ASAv	
* Password	Cisc0123	Hide
 Download environment data even Download peer authorization policy even 		Days *
 Download peer authorization policy every Reauthentication every 		Days T
* Download SGACL lists every	/ 1	Days
Other TrustSec devices to trust this device	e 🗸	

Générer un PAC hors bande (OOB) (Protected Access Credential) et télécharger

 Out Of Band (OOB) TrustSec PAC 	
Issue Date	
Expiration Date	
Issued By	
	Generate PAC

Generate PAC			~
The Identity field specifies the use If the Identity string entered here	ername or machine name preser does not match that username,	ited as the "inner username , authentication will fail.	" by the EAP-FAST protocol.
* Identity	ASAv		
* Encryption Key	•••••		
* PAC Time to Live	6	Months 🝷	
Expiration Date	29 Jan 2018 22:47:42 GMT		
			Generate PAC Cancel
	Opening AS	Av.pac	
You have chosen	to open:		
ASAv.pac			
which is: Binary	File		
from: https://14	4.36.143.223		
Would you like to	save this file?		
		Cancel	Save File

Configuration du serveur ASDM AAA

Créer un groupe de serveurs AAA

Server Group Setup			
Server Group Name:	None Se	elec ᅌ	Manage
Refresh Environmer	nt Data	Import P/	AC

Groupes de serveurs AAA > Ajouter

erver Group	Protocol	Accounting Mode	Reactivation Mode	Dead Time	Max Failed Attempts	Realm Id	Add
OCAL	LOCAL						
							Edit
							Dalat

- Groupe de serveurs AAA : <Nom du groupe>
- Activer l'autorisation dynamique

Protocol: RADIUS © Realmid: 1 Accounting Mode: Simultaneous Single Reactivation Mode: Depletion Timed Dead Time: 10 minutes Max Failed Attempts: 3 Enable interim accounting update Update Interval: 24 Hours Enable Active Directory Agent mode ISE Policy Enforcement SE Policy Enforcement 1700 Use authorization Port: 1700 Dynamic Authorization Port: 1700 Specify whether a downloadable ACL received from RADIUS should be merged with a Cisco AV-Pair ACL. O Do not merge Place the downloadable ACL after Cisco AV-Pair ACL Help Cancel OK	AAA Server Group:	14.36.143.223
Realm-id: 1 Accounting Mode: Simultaneous Single Reactivation Mode: Depletion Timed Dead Time: 10 minutes Max Failed Attempts: 3 Enable interim accounting update Update Interval: 24 Hours Enable Active Directory Agent mode ISE Policy Enforcement ✓ Enable dynamic authorization Dynamic Authorization Port: 1700 Use authorization only mode (no common password configuration required) \$\$ VPN3K Compatibility Option \$\$ Specify whether a downloadable ACL received from RADIUS should be merged with a Cisco AV-Pair ACL. \$\$ Do not merge Place the downloadable ACL after Cisco AV-Pair ACL Help Cancel OK	Protocol:	RADIUS
Accounting Mode: Simultaneous Single Reactivation Mode: Depletion Timed Dead Time: 10 minutes Max Failed Attempts: 3 Enable interim accounting update Update Interval: 24 Hours Enable Active Directory Agent mode ISE Policy Enforcement Enable dynamic authorization Dynamic Authorization Port: 1700 Use authorization only mode (no common password configuration required) VPN3K Compatibility Option Specify whether a downloadable ACL received from RADIUS should be merged with a Cisco AV-Pair ACL. Do not merge Place the downloadable ACL after Cisco AV-Pair ACL Help Cancel OK	Peolee id:	
Accounting Mode: Simultaneous Single Reactivation Mode: Depletion Timed Dead Time: 10 minutes Max Failed Attempts: 3 Enable interim accounting update Update Interval: 24 Hours Enable Active Directory Agent mode ISE Policy Enforcement Enable dynamic authorization Dynamic Authorization Port: 1700 Use authorization only mode (no common password configuration required) VPN3K Compatibility Option \Rightarrow Specify whether a downloadable ACL received from RADIUS should be merged with a Cisco AV-Pair ACL. Do not merge Place the downloadable ACL after Cisco AV-Pair ACL Help Cancel OK	Realm-Id:	1
Reactivation Mode: Depletion Timed Dead Time: 10 minutes Max Failed Attempts: 3 Enable interim accounting update Update Interval: 24 Update Interval: 24 Hours Enable Active Directory Agent mode ISE Policy Enforcement ISE Policy Enforcement 1700 Use authorization Port: 1700 Use authorization only mode (no common password configuration required) VPN3K Compatibility Option \$ Specify whether a downloadable ACL received from RADIUS should be merged with a Cisco AV-Pair ACL. Do not merge Place the downloadable ACL after Cisco AV-Pair ACL Place the downloadable ACL before Cisco AV-Pair ACL Help Cancel OK	Accounting Mode:	O Simultaneous O Single
Dead Time: 10 minutes Max Failed Attempts: 3 Enable interim accounting update Update Interval: 24 Hours Enable Active Directory Agent mode ISE Policy Enforcement Enable dynamic authorization Dynamic Authorization Port: 1700 Use authorization only mode (no common password configuration required) VPN3K Compatibility Option * Specify whether a downloadable ACL received from RADIUS should be merged with a Cisco AV-Pair ACL. Do not merge Place the downloadable ACL after Cisco AV-Pair ACL Help Cancel OK	Reactivation Mode:	O Depletion 🕜 Timed
Max Failed Attempts: 3 Enable interim accounting update Update Interval: 24 Hours Enable Active Directory Agent mode ISE Policy Enforcement Enable dynamic authorization Dynamic Authorization Port: 1700 Use authorization only mode (no common password configuration required) VPN3K Compatibility Option \Rightarrow Specify whether a downloadable ACL received from RADIUS should be merged with a Cisco AV-Pair ACL. Do not merge Place the downloadable ACL after Cisco AV-Pair ACL Help Cancel OK	Dead Time:	10 minutes
 Enable interim accounting update Update Interval: 24 Hours Enable Active Directory Agent mode ISE Policy Enforcement Enable dynamic authorization Dynamic Authorization Port: 1700 Use authorization only mode (no common password configuration required) VPN3K Compatibility Option * Specify whether a downloadable ACL received from RADIUS should be merged with a Cisco AV-Pair ACL. Do not merge Place the downloadable ACL after Cisco AV-Pair ACL Help Cancel OK 	Max Failed Attempts:	3
 Update Interval: 24 Hours Enable Active Directory Agent mode ISE Policy Enforcement Enable dynamic authorization Dynamic Authorization Port: 1700 Use authorization only mode (no common password configuration required) VPN3K Compatibility Option Specify whether a downloadable ACL received from RADIUS should be merged with a Cisco AV-Pair ACL. Do not merge Place the downloadable ACL after Cisco AV-Pair ACL Place the downloadable ACL before Cisco AV-Pair ACL Help Cancel OK 	Enable interim acc	ounting update
 Enable Active Directory Agent mode ISE Policy Enforcement Isable dynamic authorization Dynamic Authorization Port: 1700 Use authorization only mode (no common password configuration required) VPN3K Compatibility Option	Update Interva	il: 24 Hours
ISE Policy Enforcement C Enable dynamic authorization Dynamic Authorization Port: 1700 Use authorization only mode (no common password configuration required) VPN3K Compatibility Option Specify whether a downloadable ACL received from RADIUS should be merged with a Cisco AV-Pair ACL. Place the downloadable ACL after Cisco AV-Pair ACL Help Cancel OK	Enable Active Dire	ctory Agent mode
 Enable dynamic authorization Dynamic Authorization Port: 1700 Use authorization only mode (no common password configuration required) VPN3K Compatibility Option	ISE Policy Enforcemen	t
Dynamic Authorization Port: 1700 Use authorization only mode (no common password configuration required) VPN3K Compatibility Option Specify whether a downloadable ACL received from RADIUS should be merged with a Cisco AV-Pair ACL. Do not merge Place the downloadable ACL after Cisco AV-Pair ACL Place the downloadable ACL before Cisco AV-Pair ACL Help Cancel OK	🗹 Enable dynamic au	uthorization
 Use authorization only mode (no common password configuration required) VPN3K Compatibility Option	Dynamic Authoriz	ation Port: 1700
VPN3K Compatibility Option \$ Specify whether a downloadable ACL received from RADIUS should be merged with a Cisco AV-Pair ACL. • • Do not merge • • Place the downloadable ACL after Cisco AV-Pair ACL • Place the downloadable ACL before Cisco AV-Pair ACL • Help Cancel	Use authorization	only mode (no common password configuration required)
VPN3K Compatibility Option \$ Specify whether a downloadable ACL received from RADIUS should be merged with a Cisco AV-Pair ACL. • Do not merge • Place the downloadable ACL after Cisco AV-Pair ACL • Place the downloadable ACL before Cisco AV-Pair ACL Help Cancel OK		
Specify whether a downloadable ACL received from RADIUS should be merged with a Cisco AV-Pair ACL. O Do not merge Place the downloadable ACL after Cisco AV-Pair ACL Place the downloadable ACL before Cisco AV-Pair ACL Help Cancel OK	VPN3K Compatibility	Option 🎓
 Do not merge Place the downloadable ACL after Cisco AV-Pair ACL Place the downloadable ACL before Cisco AV-Pair ACL Help Cancel 	Specify whether a do merged with a Cisco	wnloadable ACL received from RADIUS should be AV-Pair ACL.
 Place the downloadable ACL after Cisco AV-Pair ACL Place the downloadable ACL before Cisco AV-Pair ACL Help Cancel 	🗿 Do not merge	
Place the downloadable ACL before Cisco AV-Pair ACL Help Cancel OK	O Place the downlo	adable ACL after Cisco AV-Pair ACL
Help Cancel OK	O Place the downlo	adable ACL before Cisco AV-Pair ACL
Help Cancel OK		
		Help Cancel OK

Ajouter un serveur au groupe de serveurs

Serveurs du groupe sélectionné > Ajouter

Servers in the Selected Group		
Server Name or IP Address Interface Timeou	t	Add
		Edit
		Delete
		Move Up
		Move Down
		Test
 Nom du serveur ou adresse IP : Port d'authentification du serveur Port de comptabilité du serveur : Clé secrète du serveur : Cisco012 Mot de passe commun : Cisco012 	Adresse IP ISE> : 1812 1813 23 23	
Server Group: 14	.36.143.223	
Interface Name:	outside ᅌ	
Conver Name or ID Address:	4 26 142 222	
Server Name of IP Address: 14	4.36.143.223	-
Timeout:	10 seconds	
RADIUS Parameters		
Server Authentication Port:	1812	
Server Accounting Port:	1813	
Retry Interval:	10 seconds	
Server Secret Key:	•••••	
Common Password:	•••••	
ACL Netmask Convert:	Standard 📀	
Microsoft CHAPv2 Capable:		
SDI Messages		
Message Table		*

Importer un PAC téléchargé à partir de ISE

Configuration > Firewall > Identity by TrustSec > Server Group Setup > Import PAC...

Server Group Setup				
Server Group Name:	14.36.14	3.223		Manage
Refresh Environmer	nt Data	Imp	ort PAC	

• Mot de passe : Cisco0123

9 鱼	Import PAC	
Filename:	/Users/depillsb/Downloads/ASAv(1).pac	Browse
Password:	•••••	
Confirm Password:	••••••	



Actualiser les données de l'environnement

Configuration > Firewall > Identity by TrustSec > Server Group Setup > Refresh Environment Data

Server Group Setup				
Server Group Name:	14.36.14	3.223	٢	Manage
Refresh Environmer	nt Data	Imp	ort PA	C

Vérification

Journaux en direct ISE

Opérations > RADIUS > Journaux en direct

0	ASAv	#CTSREQUEST#	
a	ASAv	#CTSREQUEST#	NetworkDeviceAuthorization >> NDAC

Authentication Details

Source Timestamp	2017-07-30 00:05:53.432
Received Timestamp	2017-07-30 00:05:53.433
Policy Server	ISE23
Event	5233 TrustSec Data Download Succeeded
Username	#CTSREQUEST#
Network Device	ASAv
Device Type	All Device Types
Location	All Locations
NAS IPv4 Address	14.36.143.30
NAS Port Type	Virtual
Security Group	TrustSec_Devices
Response Time	33 milliseconds
	cts-environment-data=ASAv

CiscoAVPair	cts-environment-version=1, cts-device-capability=env-data-fragment, cts-pac-opaque=****, coa-push=true
-------------	---

Result	
State	ReauthSession:0e248fdff2I7TiOfK10NeCx1yRhjPAO8_ssZ9U9VVy/o3dfT_tk
Class	CACS:0e248fdff2l7TiOfK10NeCx1yRhjPAO8_ssZ9U9VVy/o3dfT_tk:ISE23 /290687604/9
cisco-av-pair	cts:server-list=CTSServerList1-0001
cisco-av-pair	cts:security-group-tag=0002-02
cisco-av-pair	cts:environment-data-expiry=86400
cisco-av-pair	cts:security-group-table=0001-18

CiscoAVPair

cts-security-group-table=0001, cts-pac-opaque=****, coa-push=true

Result		-	-		- 1	4-
	۰.	e	э	u	11	L

State	ReauthSession:0e248fdfc4PVaU72zvhHwsT3F4qpdgq4rMsifPkqEcQiG4O_YZw
Class	CACS:0e248fdfc4PVaU72zvhHwsT3F4qpdgq4rMsifPkqEcQiG4O_YZw:ISE23/29 0687604/10
cisco-av-pair	cts:security-group-table=0001-18
cisco-av-pair	cts:security-group-info=0-0-00-Unknown
cisco-av-pair	cts:security-group-info=ffff-1-00-ANY
cisco-av-pair	cts:security-group-info=9-0-00-Auditors
cisco-av-pair	cts:security-group-info=f-0-00-BYOD
cisco-av-pair	cts:security-group-info=5-0-00-Contractors
cisco-av-pair	cts:security-group-info=8-0-00-Developers
cisco-av-pair	cts:security-group-info=c-0-00-Development_Servers
cisco-av-pair	cts:security-group-info=4-0-00-Employees
cisco-av-pair	cts:security-group-info=6-2-00-Guests
cisco-av-pair	cts:security-group-info=3-0-00-Network_Services
cisco-av-pair	cts:security-group-info=e-0-00-PCI_Servers
cisco-av-pair	cts:security-group-info=a-0-00-Point_of_Sale_Systems
cisco-av-pair	cts:security-group-info=b-0-00-Production_Servers
cisco-av-pair	cts:security-group-info=7-0-00-Production_Users
cisco-av-pair	cts:security-group-info=ff-0-00-Quarantined_Systems
cisco-av-pair	cts:security-group-info=d-0-00-Test_Servers
cisco-av-pair	cts:security-group-info=2-2-00-TrustSec_Devices
cisco-av-pair	cts:security-group-info=10-0-00-Tester

Groupes de sécurité ISE

Centres de travail > TrustSec > Composants > Groupes de sécurité

Securi For Polic	i ty Gr cy Expo	roups ort go to Administration > \$	System > Backup	& Restore > Policy	Export Page	
⊘ Ed	Sit.	+ Add 🗵 Import	Export -	🝵 Trash 🔻	O Push	
	Icon	Name JL	5	SGT (Dec / Hex)	D	escription
0	•	Auditors		9/0009		Auditor Security Group
0	•	BYOD		15/000F		BYOD Security Group
0	•	Contractors		5/0005		Contractor Security Group
0	•	Developers		8/0008		Developer Security Group
0	•	Development_Serv	rers	12/000C		Development Servers Security Group
0	•	Employees		4/0004		Employee Security Group
0	•	Guests		6/0006		Guest Security Group
0	•	Network_Services		3/0003		Network Services Security Group
0	•	PCI_Servers		14/000E		PCI Servers Security Group
0		Point_of_Sale_Sys	tems	10/000A		Point of Sale Security Group
0	•	Production_Server	s	11/000B		Production Servers Security Group
0	•	Production_Users		7/0007		Production User Security Group
0	•	Quarantined_Syste	ms	255/00FF		Quarantine Security Group
0	•	Tester		16/0010		
0	•	Test_Servers		13/000D		Test Servers Security Group
0	Δ.	TrustSec_Devices		2/0002		TrustSec Devices Security Group

PAC ASDM

Surveillance > Propriétés > Identité par TrustSec > PAC

PAC Information:

Valid until: Jan 30 2018 05:46:44 AID: 6f5719523570b8d229f23073404e2d37 I-ID: ASAv A-ID-Info: ISE 2.2p1 PAC-type: Cisco Trustsec

PAC Opaque:

000200b000030001000400106f5719523570b8d229f23073404e2d3700060094000301 00359249c4dd61484890f29bbe81859edb00000013597a55c100093a803f883e4ddafa d162ae02fac03da08f9424cb323fa8aaeae44c6d6d7db3659516132f71b25aa5be3f38 9b76fdbc1216d1d14e689ebb36d7344a5166247e950bbf62a370ea8fc941fa1d6c4ce5 9f438e787052db75a4e45ff2f0ab8488dfdd887a02119cc0c4174fc234f33d9ee9f9d4 dad759e9c8

Groupes de données et de sécurité de l'environnement ASDM

Surveillance > Propriétés > Identité par TrustSec > Données d'environnement

Environment Data:

Status:	Active
Last download attempt:	Successful
Environment Data Lifetime:	86400 secs
Last update time:	21:07:01 UTC Jul 29 2017
Env-data expires in:	0:21:39:07 (dd:hr:mm:sec)
Env-data refreshes in:	0:21:29:07 (dd:hr:mm:sec)

Security Group Table:

Valid until: Total entries: 21:07:01 UTC Jul 30 2017

18

Name	Tag	Туре
ANY	65535	unicast
Auditors	9	unicast
BYOD	15	unicast
Contractors	5	unicast
Developers	8	unicast
Development_Servers	12	unicast
Employees	4	unicast
Guests	6	unicast
Network_Services	3	unicast
PCI_Servers	14	unicast
Point_of_Sale_Systems	10	unicast
Production_Servers	11	unicast
Production_Users	7	unicast
Quarantined_Systems	255	unicast
Test_Servers	13	unicast
Tester	16	unicast
TrustSec_Devices	2	unicast
Unknown	0	unicast

Configuration ASDM SXP

Activer SXP

Enable SGT Exchange Protocol (SXP)

Définir l'adresse IP source SXP par défaut et le mot de passe SXP par défaut

Configuration > Firewall > Identity by TrustSec > Connection peer



Ajouter un homologue SXP

Configuration > Firewall > Identity by TrustSec > Connection peer > Add



Adresse IP de l'homologue : <Adresse IP ISE>



Configuration ISE SXP

Paramètre de mot de passe SXP global

WorkCenters > TrustSec > Settings > SXP Settings

Mot de passe global : Cisco0123

SXP Settings	
Publish SXP bindings on F	PxGrid
Add radius mappings into	SXP IP SGT mapping table
Global Password	
Global Password	
	This global password will be overriden by the device specific password

Ajouter un périphérique SXP

WorkCenters > TrustSec > SXP > SXP Devices > Add

- Add Single Device	
Input fields marked with an a	sterisk (*) are required.
name	ASAv
IP Address *	14.36.143.30
Peer Role *	LISTENER
Connected PSNs *	×ISE23
SXP Domain *	default
Status *	Enabled *
Password Type *	DEFAULT
Password	
Version *	V4 *
Advanced Settings	
	Cancel Save

Vérification SXP

Vérification ISE SXP

WorkCenters > TrustSec > SXP > Périphériques SXP

SXP Devices 0 Selected Rows/Page 1 1 0 / 1 Go 1 Total Rows										
SF	Refresh 🕇	Add 🏛 Trash 🕶 🤇	S Edit Assign	SXP Domain					Ŧ	Filter - 🗘 -
	Name	IP Address	Status	Peer Role	Pass	Negoti	SX	Connected To	Duration [d	SXP Domain
0	ASAv	14.36.143.30	ON	LISTENER	DEFAULT	V3	V4	ISE23	00:00:00:02	default

Mappages ISE SXP

WorkCenters > TrustSec > SXP > Tous les mappages SXP

C Refresh Add SXP Dom	nain filter Manage SXP Dom	ain filters			
IP Address	SGT	Learned From	Learned By	SXP Domain	PSNs Involved
10.122.158.253/32	Guests (6/0006)	14.36.143.223	Local	default	ISE23
10.122.160.93/32	Guests (6/0006)	14.36.143.223	Local	default	ISE23
10.122.165.49/32	Employees (4/0004)	14.36.143.223	Local	default	ISE23
10.122.165.58/32	Guests (6/0006)	14.36.143.223	Local	default	ISE23
14.0.69.220/32	Guests (6/0006)	14.36.143.223	Local	default	ISE23
14.36.143.99/32	Employees (4/0004)	14.36.143.223	Local	default	ISE23
14.36.143.105/32	TrustSec_Devices (2/0002)	14.36.143.223	Local	default	ISE23
14.36.147.70/32	Employees (4/0004)	14.36.143.223	Local	default	ISE23
172.18.250.123/32	Employees (4/0004)	14.36.143.223	Local	default	ISE23
192.168.1.0/24	Contractors (5/0005)	14.36.143.223	Local	default	ISE23

Vérification ASDM SXP

Surveillance > Propriétés > Identité par TrustSec > Connexions SXP

SGT Exchange Protocol (S	(P) Conn	ections:							
SXP: Highest version: Default password: Default local IP: Reconcile period: Retry open period: Retry open timer: Total number of SXP Total number of SXP	Enable 3 Set 14.36. 120 se 120 se Not Ru connect	d 143.30 ccs ccs inning ions: 1 ions sl	l nown: 1						
Peer Connection Status:									
Filter: Peer IP Address	0							Filter	Clear
Peer Source	Status	Version	Role	Instance #	Password	Reconcile Timer	Delete Hold-down Time	r Last Changed	
14.36.143.223 14.36.143.	30 On	3	Listener	1	Default	Not Running	Not Running	0:00:22:56 (dd:	hr:mm:se

ASDM a appris les mappages IP SXP vers SGT

Surveillance > Propriétés > Identité par TrustSec > Mappages IP

Security Group IP Mapping Table: Total number of Security Group IP Mappings: 10					
Tota	l number of Secu	rity Group IP Mapp	pings shown: 10		
Filte	r: TAG	0			
Tag	Name	IP Address			
4	4 Employees 14.36.143.99				
6	Guests	10.122.158.253			
6	Guests	10.122.160.93			
4	Employees	14.36.147.70			
2	TrustSec_Devices	14.36.143.105			
4	Employees	172.18.250.123			
4	Employees	10.122.165.49			
6	Guests	14.0.69.220			
6	Guests	10.122.165.58			
5	Contractors	192.168.1.0/24			

Capture de paquets sur ISE

2060	0.00000	14.36.143.223	14.36.143.30	TCP	86 25982 → 64999 [SYN] Seq=0 Win=29200 Len=0 MD5 MSS=1460 SACK_PERM=1 WS=1
2061	0.000782	14.36.143.30	14.36.143.223	TCP	78 64999 → 25982 [SYN, ACK] Seq=0 Ack=1 Win=32768 Len=0 MSS=1460 MD5
2062	0.000039	14.36.143.223	14.36.143.30	TCP	74 25982 → 64999 [ACK] Seq=1 Ack=1 Win=29200 Len=0 MD5
2074	0.039078	14.36.143.223	14.36.143.30	SMPP	102 SMPP Bind_receiver
2075	0.000522	14.36.143.30	14.36.143.223	TCP	74 64999 → 25982 [ACK] Seq=1 Ack=29 Win=32768 Len=0 MD5
2076	0.000212	14.36.143.30	14.36.143.223	SMPP	90 SMPP Bind_transmitter
2077	0.000024	14.36.143.223	14.36.143.30	TCP	74 25982 → 64999 [ACK] Seq=29 Ack=17 Win=29200 Len=0 MD5
2085	0.008444	14.36.143.223	14.36.143.30	SMPP	311 SMPP Query_sm
2086	0.000529	14.36.143.30	14.36.143.223	TCP	74 64999 → 25982 [ACK] Seq=17 Ack=266 Win=32768 Len=0 MD5