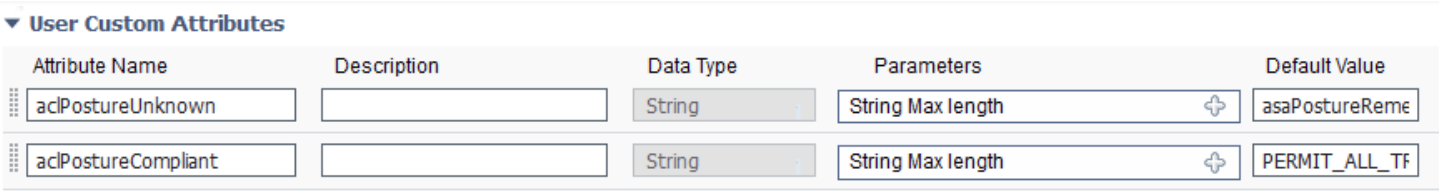
TME-recreate-attempt 2017-Oct-21

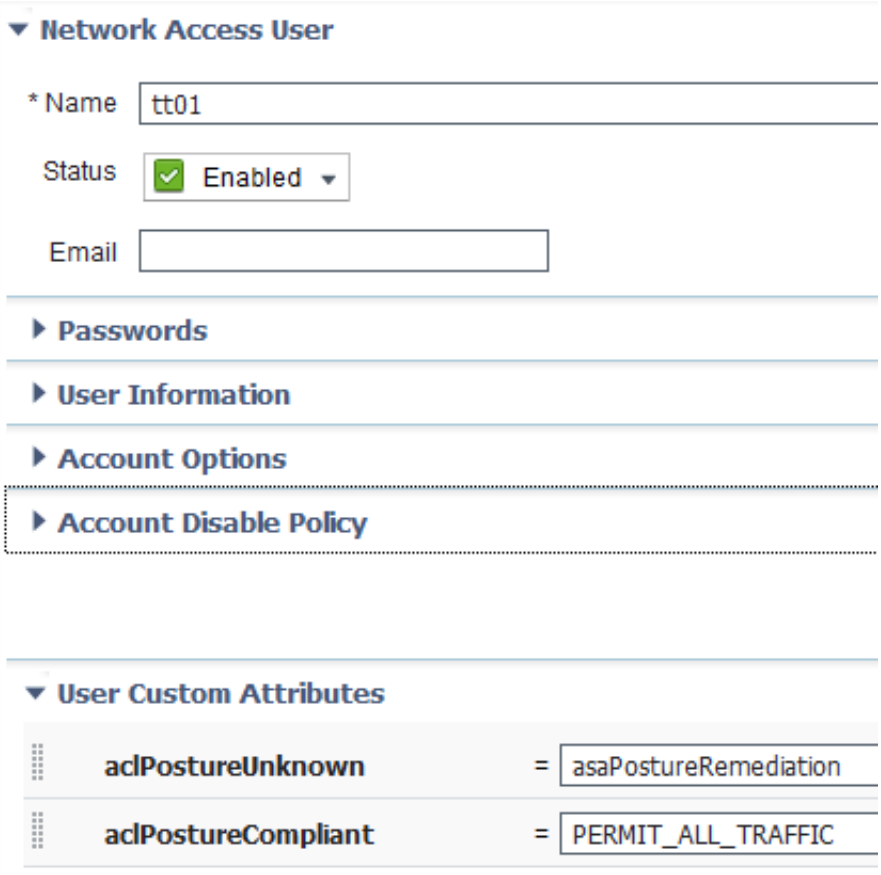
Setup Info

- ISE 2.3 Patch 1
- ASAv with ASA 9.7(1)
- AC VPN 4.3.02039
- Cisco Temporal Agent Windows 4.5.01043

Create the User Custom Attributes



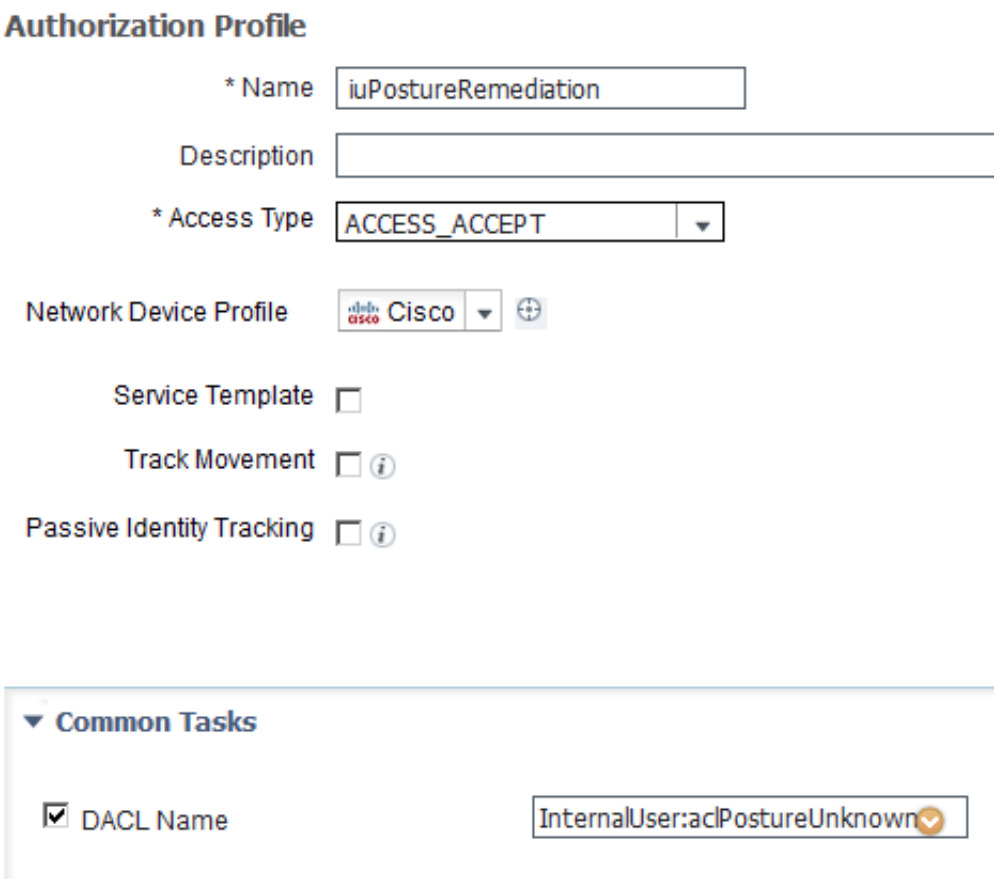
Create a NA user



Authorization Profile -- iuPostureRemediation

Access Type = ACCESS_ACCEPT

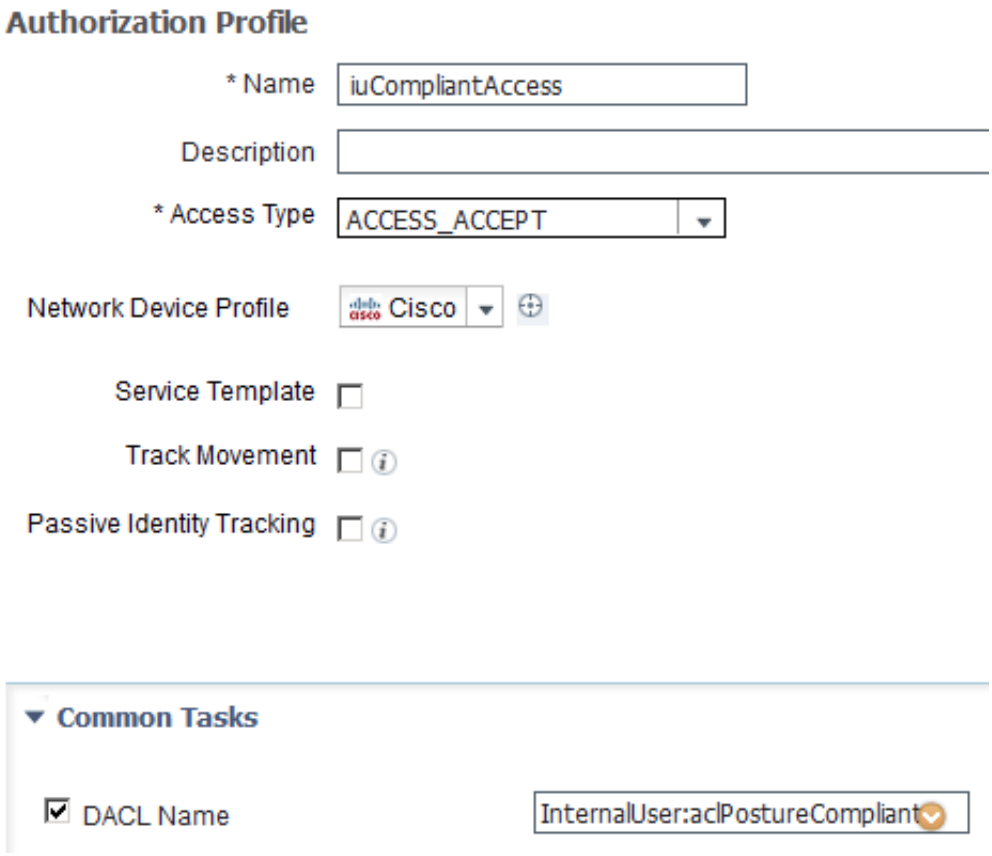
DACL = InternalUser:aclPostureUnknown



Authorization Profile -- iuCompliantAccess

Access Type = ACCESS_ACCEPT

DACL = InternalUser:aclPostureCompliant



Authorization Policy for VPN

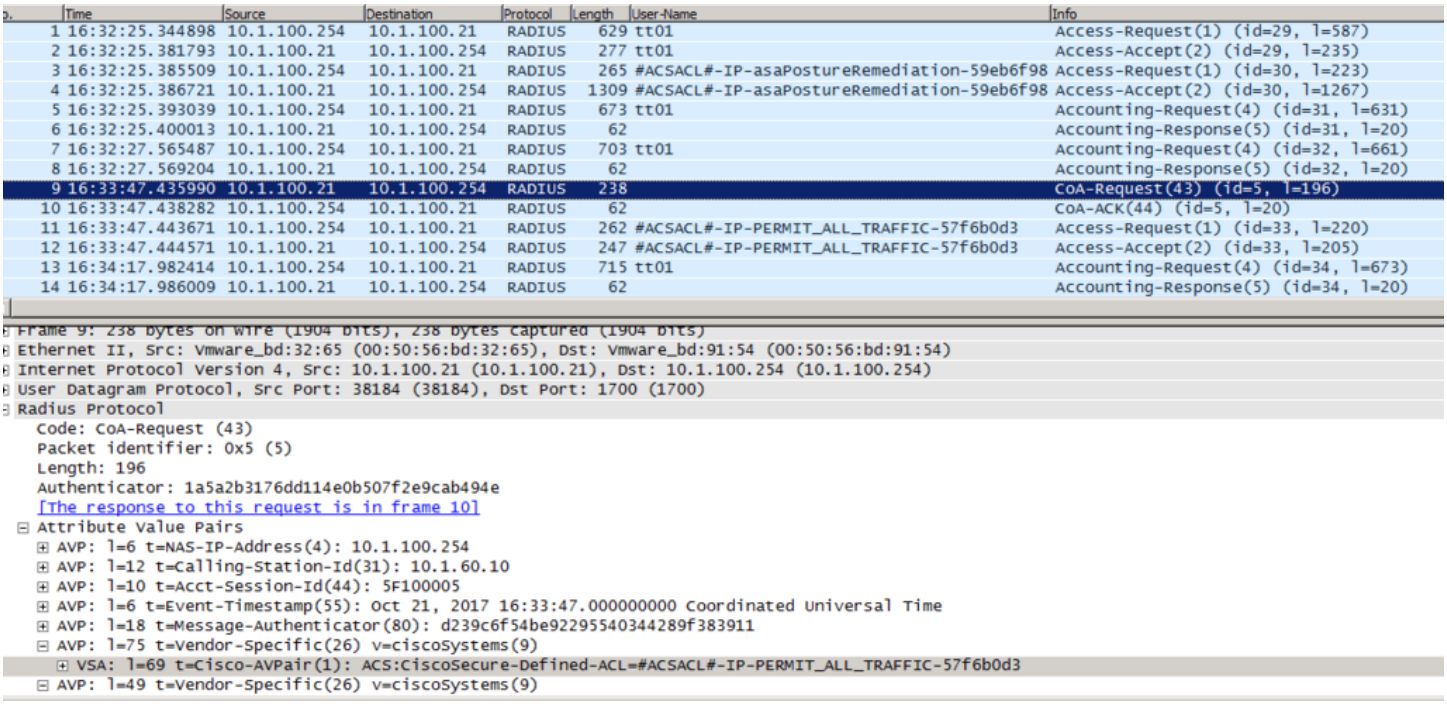
Status	Rule Name	Conditions	Profiles
✓	Compliant Access	Session·PostureStatus EQUALS Compliant	iuCompliantAccess
✓	Default		iuPostureRemediation

RADIUS Live Logs

	Status	Identity	Endpoint ID	Authorization Profiles	IP Address
04:33:47.444 PM	✓	#ACSACL#-IP-PERMIT_ALL_TRAFFIC-57f6b0d3			
04:33:47.438 PM	✓		10.1.60.10	iuCompliantAccess	
04:33:45.420 PM	●	tt01	00:50:56:BD:FC:15	iuPostureRemediation	10.1.100.201
04:32:25.386 PM	✓	#ACSACL#-IP-asaPostureRemediation-59eb6f98			
04:32:25.381 PM	✓	tt01	00:50:56:BD:FC:15	iuPostureRemediation	

TCPDUMP between ISE and ASAv

Note that the CoA-Request after posture compliant includes the DACL name.



No.	Time	Source	Destination	Protocol	Length	User-Name	Info
1	16:32:25.344898	10.1.100.254	10.1.100.21	RADIUS	629	tt01	Access-Request(1) (id=29, l=587)
2	16:32:25.381793	10.1.100.21	10.1.100.254	RADIUS	277	tt01	Access-Accept(2) (id=29, l=235)
3	16:32:25.385509	10.1.100.254	10.1.100.21	RADIUS	265	#ACSACL#-IP-asaPostureRemediation-59eb6f98	Access-Request(1) (id=30, l=223)
4	16:32:25.386721	10.1.100.21	10.1.100.254	RADIUS	1309	#ACSACL#-IP-asaPostureRemediation-59eb6f98	Access-Accept(2) (id=30, l=1267)
5	16:32:25.393039	10.1.100.254	10.1.100.21	RADIUS	673	tt01	Accounting-Request(4) (id=31, l=631)
6	16:32:25.400013	10.1.100.21	10.1.100.254	RADIUS	62		Accounting-Response(5) (id=31, l=20)
7	16:32:27.565487	10.1.100.254	10.1.100.21	RADIUS	703	tt01	Accounting-Request(4) (id=32, l=661)
8	16:32:27.569204	10.1.100.21	10.1.100.254	RADIUS	62		Accounting-Response(5) (id=32, l=20)
9	16:33:47.435990	10.1.100.21	10.1.100.254	RADIUS	238		CoA-Request(43) (id=5, l=196)
10	16:33:47.438282	10.1.100.254	10.1.100.21	RADIUS	62		CoA-ACK(44) (id=5, l=20)
11	16:33:47.443671	10.1.100.254	10.1.100.21	RADIUS	262	#ACSACL#-IP-PERMIT_ALL_TRAFFIC-57f6b0d3	Access-Request(1) (id=33, l=220)
12	16:33:47.444571	10.1.100.21	10.1.100.254	RADIUS	247	#ACSACL#-IP-PERMIT_ALL_TRAFFIC-57f6b0d3	Access-Accept(2) (id=33, l=205)
13	16:34:17.982414	10.1.100.254	10.1.100.21	RADIUS	715	tt01	Accounting-Request(4) (id=34, l=673)
14	16:34:17.986009	10.1.100.21	10.1.100.254	RADIUS	62		Accounting-Response(5) (id=34, l=20)

ASAv Console Logging

ASAv# show vpn-sessiondb detail anyconnect

INFO: There are presently no active sessions

ASAv# %ASA-6-113004: AAA user authentication Successful : server = 10.1.100.21 : user = tt01

%ASA-6-113009: AAA retrieved default group policy (ANYCONNECT-ISE) for user = tt01

%ASA-6-113008: AAA transaction status ACCEPT : user = tt01

%ASA-6-113039: Group <ANYCONNECT-ISE> User <tt01> IP <10.1.60.10> AnyConnect parent session started.

%ASA-6-113004: AAA user accounting Successful : server = 10.1.100.21 : user = tt01

%ASA-6-113004: AAA user accounting Successful : server = 10.1.100.21 : user = tt01

ASAv# show vpn-sessiondb detail anyconnect

Session Type: AnyConnect Detailed

Username : tt01 Index : 8

Assigned IP : 10.1.100.201 Public IP : 10.1.60.10

Protocol : AnyConnect-Parent SSL-Tunnel DTLS-Tunnel

License : AnyConnect Premium

Encryption : AnyConnect-Parent: (1)none SSL-Tunnel: (1)AES128 DTLS-Tunnel: (1)AES128

Hashing : AnyConnect-Parent: (1)none SSL-Tunnel: (1)SHA1 DTLS-Tunnel: (1)SHA1

Bytes Tx : 33561 Bytes Rx : 26122

Pkts Tx : 153 Pkts Rx : 206

Pkts Tx Drop : 0 Pkts Rx Drop : 0

Group Policy : ANYCONNECT-ISE Tunnel Group : ANYCONNECT-ISE

Login Time : 16:32:25 UTC Sat Oct 21 2017

Duration : 0h:00m:16s

Inactivity : 0h:00m:00s

VLAN Mapping : N/A VLAN : none

Audt Sess ID : 0a0164fe0000800059eb7699

Security Grp : none

AnyConnect-Parent Tunnels: 1

SSL-Tunnel Tunnels: 1

DTLS-Tunnel Tunnels: 1

AnyConnect-Parent:

<--- More --->

Tunnel ID : 8.1

Public IP : 10.1.60.10

Encryption : none Hashing : none

TCP Src Port : 49648 TCP Dst Port : 443

Auth Mode : userPassword

Idle Time Out: 30 Minutes Idle TO Left : 29 Minutes

Client OS : win

Client OS Ver: 6.1.7601 Service Pack 1

Client Type : AnyConnect

Client Ver : Cisco AnyConnect VPN Agent for Windows 4.3.02039

Bytes Tx : 7859 Bytes Rx : 0

Pkts Tx : 6 Pkts Rx : 0

Pkts Tx Drop : 0 Pkts Rx Drop : 0

SSL-Tunnel:

Tunnel ID : 8.2

Assigned IP : 10.1.100.201 Public IP : 10.1.60.10

Encryption : AES128 Hashing : SHA1

Ciphersuite : AES128-SHA

Encapsulation: TLSv1.2 TCP Src Port : 49651

TCP Dst Port : 443 Auth Mode : userPassword

Idle Time Out: 30 Minutes Idle TO Left : 29 Minutes

Client OS : Windows

<--- More --->

Client Type : SSL VPN Client

Client Ver : Cisco AnyConnect VPN Agent for Windows 4.3.02039

Bytes Tx : 7859 Bytes Rx : 0

Pkts Tx : 6 Pkts Rx : 0

Pkts Tx Drop : 0 Pkts Rx Drop : 0

Filter Name : #ACSACL#-IP-asaPostureRemediation-59eb6f98

DTLS-Tunnel:

Tunnel ID : 8.3

Assigned IP : 10.1.100.201 Public IP : 10.1.60.10

Encryption : AES128 Hashing : SHA1

Ciphersuite : AES128-SHA

Encapsulation: DTLSv1.0 UDP Src Port : 51480

UDP Dst Port : 443 Auth Mode : userPassword

Idle Time Out: 30 Minutes Idle TO Left : 30 Minutes

Client OS : Windows

Client Type : DTLS VPN Client

Client Ver : Cisco AnyConnect VPN Agent for Windows 4.3.02039

Bytes Tx : 18003 Bytes Rx : 27932

Pkts Tx : 145 Pkts Rx : 222

Pkts Tx Drop : 0 Pkts Rx Drop : 0

Filter Name : #ACSACL#-IP-asaPostureRemediation-59eb6f98

ASAv# %ASA-6-113004: AAA user authorization Successful : server = 10.1.100.21 : user = tt01

%ASA-6-113009: AAA retrieved default group policy (ANYCONNECT-ISE) for user = tt01

%ASA-6-113008: AAA transaction status ACCEPT : user = tt01

%ASA-6-109100: Received CoA update from 10.1.100.21 for user 'tt01', with session ID 0a0164fe0000800059eb7699, changing authorization attributes.

ASAv# show vpn-sessiondb detail anyconnect

Session Type: AnyConnect Detailed

Username : tt01 Index : 8
Assigned IP : 10.1.100.201 Public IP : 10.1.60.10
Protocol : AnyConnect-Parent SSL-Tunnel DTLS-Tunnel
License : AnyConnect Premium
Encryption : AnyConnect-Parent: (1)none SSL-Tunnel: (1)AES128 DTLS-Tunnel: (1)AES128
Hashing : AnyConnect-Parent: (1)none SSL-Tunnel: (1)SHA1 DTLS-Tunnel: (1)SHA1
Bytes Tx : 14468755 Bytes Rx : 511821
Pkts Tx : 10703 Pkts Rx : 11158
Pkts Tx Drop : 0 Pkts Rx Drop : 0
Group Policy : ANYCONNECT-ISE Tunnel Group : ANYCONNECT-ISE
Login Time : 16:32:25 UTC Sat Oct 21 2017
Duration : 0h:01m:35s
Inactivity : 0h:00m:00s
VLAN Mapping : N/A VLAN : none
Audt Sess ID : 0a0164fe0000800059eb7699
Security Grp : none
AnyConnect-Parent Tunnels: 1
SSL-Tunnel Tunnels: 1
DTLS-Tunnel Tunnels: 1

AnyConnect-Parent:
<--- More --->

Tunnel ID : 8.1
Public IP : 10.1.60.10
Encryption : none Hashing : none
TCP Src Port : 49648 TCP Dst Port : 443
Auth Mode : userPassword
Idle Time Out: 30 Minutes Idle TO Left : 28 Minutes
Client OS : win
Client OS Ver: 6.1.7601 Service Pack 1
Client Type : AnyConnect
Client Ver : Cisco AnyConnect VPN Agent for Windows 4.3.02039
Bytes Tx : 7859 Bytes Rx : 0
Pkts Tx : 6 Pkts Rx : 0
Pkts Tx Drop : 0 Pkts Rx Drop : 0

SSL-Tunnel:

Tunnel ID : 8.2

Assigned IP : 10.1.100.201 Public IP : 10.1.60.10

Encryption : AES128 Hashing : SHA1

Ciphersuite : AES128-SHA

Encapsulation: TLSv1.2 TCP Src Port : 49651

TCP Dst Port : 443 Auth Mode : userPassword

Idle Time Out: 30 Minutes Idle TO Left : 28 Minutes

Client OS : Windows

<--- More --->

Client Type : SSL VPN Client

Client Ver : Cisco AnyConnect VPN Agent for Windows 4.3.02039

Bytes Tx : 7859 Bytes Rx : 0

Pkts Tx : 6 Pkts Rx : 0

Pkts Tx Drop : 0 Pkts Rx Drop : 0

Filter Name : #ACSACL#-IP-PERMIT_ALL_TRAFFIC-57f6b0d3

DTLS-Tunnel:

Tunnel ID : 8.3

Assigned IP : 10.1.100.201 Public IP : 10.1.60.10

Encryption : AES128 Hashing : SHA1

Ciphersuite : AES128-SHA

Encapsulation: DTLSv1.0 UDP Src Port : 51480

UDP Dst Port : 443 Auth Mode : userPassword

Idle Time Out: 30 Minutes Idle TO Left : 29 Minutes

Client OS : Windows

Client Type : DTLS VPN Client

Client Ver : Cisco AnyConnect VPN Agent for Windows 4.3.02039

Bytes Tx : 14453037 Bytes Rx : 511821

Pkts Tx : 10691 Pkts Rx : 11158

Pkts Tx Drop : 0 Pkts Rx Drop : 0

Filter Name : #ACSACL#-IP-PERMIT_ALL_TRAFFIC-57f6b0d3

ASAv# %ASA-4-113019: Group = ANYCONNECT-ISE, Username = tt01, IP = 10.1.60.10, Session disconnected. Session Type: SSL, Duration: 0h:01m:52s, Bytes xmt: 28921792, Bytes rcv: 1023642, Reason: User Requested

%ASA-6-113004: AAA user accounting Successful : server = 10.1.100.21 : user = tt01

ASAv# show vpn-sessiondb detail anyconnect

INFO: There are presently no active sessions