

Konfigurieren Sie die AnyConnect LDAP-Zuordnung auf Firepower Threat Defense (FTD).

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Einführung

Dieses Dokument enthält ein Konfigurationsbeispiel für die LDAP-Zuordnung (Lightweight Directory Access Protocol) für AnyConnect-Benutzer in FirePOWER Threat Defense (FTD) mithilfe einer FirePOWER Management Center (FMC)-FlexConfig-Richtlinie. Diese Konfiguration ermöglicht bestimmten Benutzern, die einer Active Directory-Gruppe (AD) angehören, eine VPN-Verbindung (Virtual Private Network) einzurichten. Benutzer aus verschiedenen AD-Gruppen, die nicht auf der Karte definiert sind, können sich nicht mit demselben Profil verbinden.

Voraussetzungen

Anforderungen

Cisco empfiehlt, dass Sie über Kenntnisse zu folgenden Themen verfügen:

- AD-Bereichskonfiguration auf FMC
- Windows Active Directory
- AnyConnect (SSLVPN)-Konfiguration auf FMC
- Grundkenntnisse der FlexConfig-Objekte auf FMC

Verwendete Komponenten

- FirePower Manager Center (FMC), Version 6.2.3 und 6.5.0
- FirePower Threat Defense (FTD), Version 6.2.3 und 6.5.0
- Windows Server mit Active Directory

Konfigurieren

Konfiguration im FTD

In diesem Beispiel verwenden Benutzer, die zu AD Group1 gehören, eine Tunnel-All-Konfiguration, und Benutzer, die zu AD Group2 gehören, haben eingeschränkten Zugriff auf bestimmte Hosts. Alle anderen Benutzer, die nicht zu diesen Gruppen gehören, können nicht authentifiziert werden.

Schritt 1: Konfigurieren Sie AnyConnect mithilfe der LDAP-Authentifizierung, und stellen Sie die Änderungen bereit. Ein Beispiel finden Sie in [diesem Leitfaden](#).

Schritt 2: Navigieren Sie zu Geräte > Remotezugriff > AnyConnect-Richtlinie bearbeiten > Erweitert > Gruppenrichtlinien.

Schritt 3: Erstellen Sie drei verschiedene Gruppenrichtlinien:

- Gruppe1 mit Split Tunneling-Konfiguration auf **Zulassen des gesamten Datenverkehrs über Tunnel**.

The screenshot shows the 'Edit Group Policy' window for 'Group1'. The 'Advanced' tab is selected, and the 'Split Tunneling' section is expanded. The configuration is as follows:

Setting	Value
Name:	Group1
Description:	
VPN Protocols	
IP Address Pools	
Banner	
DNS/WINS	
Split Tunneling	
IPv4 Split Tunneling:	Allow all traffic over tunnel
IPv6 Split Tunneling:	Allow all traffic over tunnel
Split Tunnel Network List Type:	<input checked="" type="radio"/> Standard Access List <input type="radio"/> Extended Access List
Standard Access List:	Split
DNS Request Split Tunneling	
DNS Requests:	Send DNS requests as per split tunnel policy
Domain List:	

Buttons: Save, Cancel

- Gruppe2 mit Split Tunneling-Konfiguration auf **Split**.

Edit Group Policy

? X

Name:*

Description:

General AnyConnect Advanced

VPN Protocols	IPv4 Split Tunneling:	<input type="text" value="Tunnel networks specified below"/>
IP Address Pools	IPv6 Split Tunneling:	<input type="text" value="Allow all traffic over tunnel"/>
Banner	Split Tunnel Network List Type:	<input checked="" type="radio"/> Standard Access List <input type="radio"/> Extended Access List
DNS/WINS	Standard Access List:	<input type="text" value="Split"/>
Split Tunneling	DNS Request Split Tunneling	
	DNS Requests:	<input type="text" value="Send DNS requests as per split tunnel policy"/>
	Domain List:	<input type="text"/>

Save

Cancel

- NOACCESS-Gruppe für Benutzer, die keiner der vorherigen Gruppen angehören. Das Feld **Simultane Anmeldung pro Benutzer** muss auf 0 gesetzt sein.

Edit Group Policy

? X

Name:™

Description:

General AnyConnect **Advanced**

Traffic Filter

Session Settings

Access Hours:

Simultaneous Login Per User: (Range 0-2147483647)

Connection Time

Max Connection Time: Minutes (Range 1-4473924)

Alert Interval: Minutes (Range 1-30)

Idle Time

Idle Timeout: Minutes (Range 1-35791394)

Alert Interval: Minutes (Range 1-30)

Save

Cancel

Schritt 4: Weisen Sie dem Verbindungsprofil die NOACCESS-Gruppenrichtlinie zu.

Edit Connection Profile ? X



Connection Profile:* AnyConnect

Group Policy:* NOACCESS v
[Edit Group Policy](#)

Client Address Assignment AAA Aliases

IP Address for the remote clients can be assigned from local IP Address pools/DHCP Servers/AAA Servers. Configure the 'Client Address Assignment Policy' in the Advanced tab to define the assignment criteria.

Address Pools: +

Name	IP Address Range	
SSL	10.10.10.1-10.10.10.10	 

DHCP Servers: +

Name	DHCP Server IP Address
------	------------------------

Configure device overrides in the address pool object to avoid IP address conflicts in case of object is shared across multiple devices

Save Cancel

Schritt 5: Navigieren Sie zu Objekt > Objektmanagement > FlexConfig > FlexConfig Object > Add FlexConfig Object.

Schritt 6: Fügen Sie die erforderlichen memberOf-Werte hinzu, die für die LDAP-Attributzuordnungskonfiguration erforderlich sind. Um die Gruppen-DN vom Server abzurufen, können Sie den Befehl "dsquery samid-group <group-name>" verwenden.

Die Bereitstellung muss als *einmal* festgelegt werden und als *Prepend* eingeben.


Tipp: Attributnamen und -werte sind Groß- und Kleinschreibung untergeordnet. Wenn die Zuordnung nicht ordnungsgemäß erfolgt, stellen Sie sicher, dass in der LDAP-Attributzuordnung die richtige Schreibweise und Groß- und Kleinschreibung für die Namen und Werte der Cisco und LDAP-Attribute verwendet wurde.



Edit FlexConfig Object

? x

Name:

Description:

 Copy-pasting any rich text might introduce line breaks while generating CLI. Please verify the CLI before deployment.

 Insert 

Deployment: Type:

```
ldap attribute-map MAP
map-name memberOf Group-Policy
map-value memberOf "CN=group1,CN=Users,DC=cisco,DC=com" Group1
map-value memberOf "CN=group2,CN=Users,DC=cisco,DC=com" Group2
```

Variables

Name	Dimension	Default Value	Property (Typ...	Override	Description
No records to display					

Schritt 7: Andere erstellen FlexConfig-Objekt mit dem Namen AAAserverLDAPmapping. Dieses Objekt fügt die Attributzuordnung der AAA-Serverkonfiguration zu.

Die Bereitstellungswerte müssen als *Everytime* festgelegt werden und als *Append* eingeben.

Add FlexConfig Object

Name:

Description:

Copy-pasting any rich text might introduce line breaks while generating CLI. Please verify the CLI before deployment.

Deployment: Type:

```
aaa-server LDAP host 192.168.109.29
ldap-attribute-map MAP
```

Name	Dimension	Default Value	Property (Typ...	Override	Description
No records to display					

Save Cancel

Schritt 8: Navigieren Sie zu Geräte > FlexConfig > Edit current FlexConfig. Stellen Sie sicher, dass die Reihenfolge der FlexConfig-Objekte in der FlexConfig-Richtlinie zuerst das LDAP-Attribut Map FlexConfig-Objekt gefolgt vom AAA-Server-Objekt ist.

Schritt 9: Stellen Sie die Konfiguration auf dem Gerät bereit, um diese Konfiguration an das verwaltete Gerät zu senden.

Um einen zusätzlichen Eintrag in der LDAP-Zuordnung hinzuzufügen, ändern Sie das vorhandene FlexConfig LDAPAttributeMAP-Objekt, sodass NUR der neue Zuordnungswert enthalten ist.

Edit FlexConfig Object

Name:

Description:

Copy-pasting any rich text might introduce line breaks while generating CLI. Please verify the CLI before deployment.

Deployment: Type:

```
ldap attribute-map MAP
map-value memberOf "CN=group3,CN=Users,DC=cisco,DC=com" Group3
```

Überprüfen

Stellen Sie eine Verbindung zur FTD-CLISH her, und geben Sie diese Befehle aus, um sicherzustellen, dass die Benutzer in den definierten Gruppen eine Verbindung herstellen können.

```
> show vpn-sessiondb anyconnect
```

```
Session Type: AnyConnect
```

```
Username      : cisco1                Index      : 25
Assigned IP   : 10.10.10.1             Public IP   : 192.168.109.80
Protocol      : AnyConnect-Parent SSL-Tunnel DTLS-Tunnel
License       : AnyConnect Premium
Encryption    : AnyConnect-Parent: (1)none SSL-Tunnel: (1)AES-GCM-256 DTLS-Tunnel: (1)AES256
Hashing       : AnyConnect-Parent: (1)none SSL-Tunnel: (1)SHA384 DTLS-Tunnel: (1)SHA1
Bytes Tx      : 15820                  Bytes Rx   : 160
Group Policy  : Group1                 Tunnel Group : AnyConnect
Login Time    : 16:02:45 UTC Tue Oct 9 2018
Duration      : 0h:00m:38s
Inactivity    : 0h:00m:00s
VLAN Mapping  : N/A                   VLAN        : none
Audt Sess ID  : 00000000000190005bbcd125
Security Grp  : none                   Tunnel Zone : 0
```

```
> show vpn-sessiondb anyconnect
```

```
Session Type: AnyConnect
```

```
Username      : cisco2                Index      : 26
Assigned IP   : 11.11.11.1             Public IP   : 192.168.109.80
Protocol      : AnyConnect-Parent SSL-Tunnel DTLS-Tunnel
License       : AnyConnect Premium
Encryption    : AnyConnect-Parent: (1)none SSL-Tunnel: (1)AES-GCM-256 DTLS-Tunnel: (1)AES256
Hashing       : AnyConnect-Parent: (1)none SSL-Tunnel: (1)SHA384 DTLS-Tunnel: (1)SHA1
Bytes Tx      : 15820                  Bytes Rx   : 442
Group Policy  : Group2                 Tunnel Group : AnyConnect
Login Time    : 16:04:12 UTC Tue Oct 9 2018
Duration      : 0h:00m:14s
Inactivity    : 0h:00m:00s
VLAN Mapping  : N/A                   VLAN        : none
Audt Sess ID  : 000000000001a0005bbcd17c
Security Grp  : none                   Tunnel Zone : 0
```

Fehlerbehebung

Debugger:

Um die LDAP-Transaktion zu überprüfen, können Sie diese Debugbefehle verwenden.

```
> system support diagnostic-cli
debug ldap 250
debug aaa common 250
```

Dies sind Beispiele für die erfolgreiche Ausgabe für jeden Debugbefehl.

```
firepower# debug ldap 250
debug ldap enabled at level 250
firepower#
[49] Session Start
[49] New request Session, context 0x00002aaad332f100, reqType = Authentication
[49] Fiber started
[49] Creating LDAP context with uri=ldap://192.168.109.29:389
```



```
[49] Connect to LDAP server: ldap://192.168.109.29:389, status = Successful
[49] supportedLDAPVersion: value = 3
[49] supportedLDAPVersion: value = 2
[49] LDAP server 192.168.109.29 is Active directory
[49] Binding as AdminFTD
[49] Performing Simple authentication for AdminFTD to 192.168.109.29
[49] LDAP Search:
      Base DN = [DC=cisco,DC=com]
      Filter  = [samaccountname=ciscol]
      Scope   = [SUBTREE]
[49] User DN = [CN=ciscol,CN=Users,DC=cisco,DC=com]
[49] Talking to Active Directory server 192.168.109.29
[49] Reading password policy for ciscol, dn:CN=ciscol,CN=Users,DC=cisco,DC=com
[49] Read bad password count 1
[49] Binding as ciscol
[49] Performing Simple authentication for ciscol to 192.168.109.29
[49] Processing LDAP response for user ciscol
[49] Message (ciscol):
[49] Authentication successful for ciscol to 192.168.109.29
[49] Retrieved User Attributes:
[49]   objectClass: value = top
[49]   objectClass: value = person
[49]   objectClass: value = organizationalPerson
[49]   objectClass: value = user
[49]   cn: value = ciscol
[49]   givenName: value = ciscol
[49]   distinguishedName: value = CN=ciscol,CN=Users,DC=cisco,DC=com
[49]   instanceType: value = 4
[49]   whenCreated: value = 20181009153032.0Z
[49]   whenChanged: value = 20181009154032.0Z
[49]   displayName: value = ciscol
[49]   uSNCreated: value = 856333
[49] memberOf: value = CN=group1,CN=Users,DC=cisco,DC=com
[49] mapped to Group-Policy: value = Group1
[49] mapped to LDAP-Class: value = Group1
[49]   uSNChanged: value = 856372
[49]   name: value = ciscol
[49]   objectGUID: value = .K.'..3N...Q...
[49]   userAccountControl: value = 66048
[49]   badPwdCount: value = 1
[49]   codePage: value = 0
[49]   countryCode: value = 0
[49]   badPasswordTime: value = 131835752510299209
[49]   lastLogoff: value = 0
[49]   lastLogon: value = 131835733331105504
[49]   pwdLastSet: value = 131835726324409149
[49]   primaryGroupID: value = 513
[49]   objectSid: value = .....E1.E.G..9..@s...
[49]   adminCount: value = 1
[49]   accountExpires: value = 9223372036854775807
[49]   logonCount: value = 0
[49]   sAMAccountName: value = ciscol
[49]   sAMAccountType: value = 805306368
[49]   userPrincipalName: value = ciscol@cisco.com
[49]   objectCategory: value = CN=Person,CN=Schema,CN=Configuration,DC=cisco,DC=com
[49]   dSCorePropagationData: value = 20181009153316.0Z
[49]   dSCorePropagationData: value = 16010101000000.0Z
[49]   lastLogonTimestamp: value = 131835732321783732
[49] Fiber exit Tx=551 bytes Rx=2628 bytes, status=1
[49] Session End
```

```
firepower# debug aaa common 250
```

```
debug aaa common enabled at level 250
```

```
firepower# AAA API: In aaa_open
AAA session opened: handle = 31
AAA API: In aaa_process_async
aaa_process_async: sending AAA_MSG_PROCESS
AAA task: aaa_process_msg(0x00002b4ad7423b20) received message type 0
[31] AAA FSM: In AAA_StartAAATransaction
[31] AAA FSM: In AAA_InitTransaction

Initiating authentication to primary server (Svr Grp: LDAP-29)
-----
[31] AAA FSM: In AAA_BindServer
[31] AAA_BindServer: Using server: 192.168.109.29
[31] AAA FSM: In AAA_SendMsg
User: cisco1
Resp:
callback_aaa_task: status = 1, msg =
[31] AAA FSM: In aaa_backend_callback
aaa_backend_callback: Handle = 31, pAcb = 0x00002aaad352bc80
AAA task: aaa_process_msg(0x00002b4ad7423b20) received message type 1
[31] AAA FSM: In AAA_ProcSvrResp

Back End response:
-----
Authentication Status: 1 (ACCEPT)

[31] AAA FSM: In AAA_NextFunction
AAA_NextFunction: i_fsm_state = IFSM_PRIM_AUTHENTICATE, auth_status = ACCEPT
AAA_NextFunction: authen svr = LDAP-29, author svr = <none>, user pol = Group1, tunn pol =
NOACCESS
AAA_NextFunction: New i_fsm_state = IFSM_USER_GRP_POLICY,
[31] AAA FSM: In AAA_InitTransaction
aaai_policy_name_to_server_id(Group1)
Got server ID 0 for group policy DB

Initiating user group policy lookup (Svr Grp: GROUP_POLICY_DB)
-----
[31] AAA FSM: In AAA_BindServer
[31] AAA_BindServer: Using server: <Internal Server>
[31] AAA FSM: In AAA_SendMsg
User: Group1
Resp:
grp_policy_ioctl(0x00002b4ad31fd460, 114698, 0x00002b4ad7423430)
grp_policy_ioctl: Looking up Group1
callback_aaa_task: status = 1, msg =
[31] AAA FSM: In aaa_backend_callback
aaa_backend_callback: Handle = 31, pAcb = 0x00002aaad352bc80
AAA task: aaa_process_msg(0x00002b4ad7423b20) received message type 1
[31] AAA FSM: In AAA_ProcSvrResp

Back End response:
-----
User Group Policy Status: 1 (ACCEPT)

[31] AAA FSM: In AAA_NextFunction
AAA_NextFunction: i_fsm_state = IFSM_USER_GRP_POLICY, auth_status = ACCEPT
AAA_NextFunction: New i_fsm_state = IFSM_TUNN_GRP_POLICY,
[31] AAA FSM: In AAA_InitTransaction
aaai_policy_name_to_server_id(NOACCESS)
Got server ID 0 for group policy DB

Initiating tunnel group policy lookup (Svr Grp: GROUP_POLICY_DB)
-----
[31] AAA FSM: In AAA_BindServer
[31] AAA_BindServer: Using server: <Internal Server>
```

```

[31] AAA FSM: In AAA_SendMsg
User: NOACCESS
Resp:
grp_policy_ioctl(0x00002b4ad31fd460, 114698, 0x00002b4ad7423430)
grp_policy_ioctl: Looking up NOACCESS
callback_aaa_task: status = 1, msg =
[31] AAA FSM: In aaa_backend_callback
aaa_backend_callback: Handle = 31, pAcb = 0x00002aaad352bc80
AAA task: aaa_process_msg(0x00002b4ad7423b20) received message type 1
[31] AAA FSM: In AAA_ProcSvrResp

```

Back End response:

```

-----
Tunnel Group Policy Status: 1 (ACCEPT)

```

```

[31] AAA FSM: In AAA_NextFunction
AAA_NextFunction: i_fsm_state = IFSM_TUNN_GRP_POLICY, auth_status = ACCEPT
dACL processing skipped: no ATTR_FILTER_ID found
AAA_NextFunction: New i_fsm_state = IFSM_DONE,
[31] AAA FSM: In AAA_ProcessFinal
Checking simultaneous login restriction (max allowance=3) for user cisco1
Class attribute created from LDAP-Class attribute
[31] AAA FSM: In AAA_Callback

```

user attributes:

```

 1  User-Name(1)          6  "cisco1"
 2  User-Password(2)     13  (hidden)
 3  Group-Policy(4121)   6  "Group1"
 4  AAA-AVP-Table(4243) 1639 "g[06][00][00]${00}[00][00]x[01][00][00][8F][01][00][00]"
 5  DAP class attribute required(20510) 4  1
 6  LDAP-Class(20520)    7  "Group1[00]"

```

User Access-Lists:

```

user_acl[0] = NULL
user_acl[1] = NULL

```

user policy attributes:

<--- Group-Policy Configuration (Group1)

```

 1  Filter-Id(11)        8  ""
 2  Session-Timeout(27)  4  0
 3  Idle-Timeout(28)    4  30
 4  Simultaneous-Logins(4098) 4  3
 5  Primary-DNS(4101)    4  IP: 0.0.0.0
 6  Secondary-DNS(4102)  4  IP: 0.0.0.0
 7  Primary-WINS(4103)  4  IP: 0.0.0.0
 8  Secondary-WINS(4104) 4  IP: 0.0.0.0
 9  Tunnelling-Protocol(4107) 4  96
10  Banner(4111)         0  0x00002aaad49daa38  ** Unresolved Attribute **
11  Split-Tunnel-Inclusion-List(4123) 8  ""
12  Default-Domain-Name(4124) 0  0x00002aaad49daa41  ** Unresolved Attribute **
13  Secondary-Domain-Name-List(4125) 0  0x00002aaad49daa42  ** Unresolved Attribute **
**
14  Split-Tunneling-Policy(4151) 4  0
15  Group-giaddr(4157)  4  IP: 0.0.0.0
16  WebVPN SVC Keepalive interval(4203) 4  20
17  WebVPN SVC Client DPD period(4204) 4  30
18  WebVPN SVC Gateway DPD period(4205) 4  30
19  WebVPN SVC Rekey period(4206) 4  0
20  WebVPN SVC Rekey method(4207) 4  0
21  WebVPN SVC Compression(4208) 4  0
22  WebVPN SVC Firewall Rule(4211) 17  "public#,private#,"
23  WebVPN SVC DTLS Compression(4213) 4  0
24  WebVPN SVC DTLS enable(4219) 4  1
25  WebVPN SVC MTU(4221) 4  1406
26  CVC-Modules(4223) 4  "dart"
27  CVC-Profile(4224) 11  "FTD03#user,"
28  CVC-Ask(4227) 4  2

```

```

29 CVC-Ask-Timeout(4228)      4    0
30 VLAN ID(4236)             4    0
31 WebVPN Idle timeout alert interval(4244)      4    1
32 WebVPN Session timeout alert interval(4245)   4    1
33 List of address pools to assign addresses from(4313) 3    "SSL"
34 SVC ignore DF bit(4326)    4    0
35 Configure the behaviour of DNS queries by the client when Split tunneling is
enabled(4328)                4    0
36 Primary-IPv6-DNS(4329)     16   00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 37
Secondary-IPv6-DNS(4330)     16   00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 38
Client Bypass Protocol(4331)  4    0
39 IPv6-Split-Tunneling-Policy(4332)            4    0

```

User Policy Access-Lists:

```

user_acl[0] = NULL
user_acl[1] = NULL

```

tunnel policy attributes:

<--- Default Group-Policy

attributes (NOACCESS)

```

1 Filter-Id(11)              8    ""
2 Session-Timeout(27)        4    0
3 Idle-Timeout(28)           4    30
4 Simultaneous-Logins(4098)   4    0
5 Primary-DNS(4101)           4    IP: 0.0.0.0
6 Secondary-DNS(4102)         4    IP: 0.0.0.0
7 Primary-WINS(4103)          4    IP: 0.0.0.0
8 Secondary-WINS(4104)        4    IP: 0.0.0.0
9 Tunnelling-Protocol(4107)   4    96
10 Banner(4111)               0    0x00002aaad2580328  ** Unresolved Attribute **
11 Group-Policy(4121)          8    "NOACCESS"
12 Split-Tunnel-Inclusion-List(4123) 8    ""
13 Default-Domain-Name(4124)    0    0x00002aaad2580331  ** Unresolved Attribute **
14 Secondary-Domain-Name-List(4125) 0    0x00002aaad2580332  ** Unresolved Attribute
**
15 Split-Tunneling-Policy(4151)  4    0
16 Group-giaddr(4157)          4    IP: 0.0.0.0
17 WebVPN SVC Keepalive interval(4203)      4    20
18 WebVPN SVC Client DPD period(4204)       4    30
19 WebVPN SVC Gateway DPD period(4205)      4    30
20 WebVPN SVC Rekey period(4206)            4    0
21 WebVPN SVC Rekey method(4207)           4    0
22 WebVPN SVC Compression(4208)            4    0
23 WebVPN SVC Firewall Rule(4211)          17   "public#,private#,"
24 WebVPN SVC DTLS Compression(4213)        4    0
25 WebVPN SVC DTLS enable(4219)            4    1
26 WebVPN SVC MTU(4221)                    4    1406
27 CVC-Modules(4223)                      4    "dart"
28 CVC-Profile(4224)                       11   "FTD03#user,"
29 CVC-Ask(4227)                            4    2
30 CVC-Ask-Timeout(4228)                    4    0
31 VLAN ID(4236)                            4    0
32 WebVPN Idle timeout alert interval(4244)  4    1
33 WebVPN Session timeout alert interval(4245) 4    1
34 SVC ignore DF bit(4326)                  4    0
35 Configure the behaviour of DNS queries by the client when Split tunneling is
enabled(4328)                4    0
36 Primary-IPv6-DNS(4329)     16   00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 37
Secondary-IPv6-DNS(4330)     16   00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 38
Client Bypass Protocol(4331)  4    0
39 IPv6-Split-Tunneling-Policy(4332)            4    0

```

Tunnel Policy Access-Lists:

```

user_acl[0] = NULL
user_acl[1] = NULL

```

Auth Status = ACCEPT

aaai_internal_cb: handle is 31, pAcb is 0x00002aaad352bc80, pAcb->tq.tqh_first is
0x0000000000000000

AAA API: In aaa_close

Checking simultaneous login restriction (max allowance=3) for user cisco1

AAA task: aaa_process_msg(0x00002b4ad7423b20) received message type 2

In aaai_close_session (31)

AAA API: In aaa_send_acct_start