# AnyConnect LDAP-afbeelding configureren op FirePOWER Threat Defense (FTD)

## Inhoud

Inleiding Voorwaarden Vereisten Gebruikte componenten Configureren Configuratie op de FTD Verifiëren Problemen oplossen

# Inleiding

Dit document biedt een configuratievoorbeeld van Light Directory Access Protocol (LDAP)mapping voor AnyConnect-gebruikers op Firepower Threat Defense (FTD) met behulp van een beleid van Firepower Management Center (FMC) FlexConfig. Deze configuratie wordt gebruikt om specifieke gebruikers die tot een AD-groep (Active Directory) behoren, toe te staan om een VPNverbinding (Virtual Private Network) op te zetten. Gebruikers van verschillende AD groepen die niet op de kaart zijn gedefinieerd kunnen geen verbinding maken met hetzelfde profiel.

# Voorwaarden

### Vereisten

Cisco raadt u aan om kennis over deze onderwerpen te hebben:

- Configuratie AD-gebied op FMC
- Windows Active Directory
- AnyConnect (SSLVPN) configuratie op FMC
- Basiskennis van FlexConfig-objecten op FMC

### Gebruikte componenten

- FirePower Manager Center (FMC) versie 6.2.3 en 6.5.0
- FirePower Threat Defense (FTD) versie 6.2.3 en 6.5.0
- Windows Server met actieve map

# Configureren

Configuratie op de FTD

In dit voorbeeld gebruiken gebruikers die tot AD Group1 behoren een tunnel-alle configuratie en gebruikers die tot AD Group2 behoren hebben beperkte toegang tot specifieke hosts. Alle andere gebruikers die niet tot deze groepen behoren kunnen niet echt geauthentiseerd worden.

Stap 1. Configureer AnyConnect met behulp van LDAP-verificatie en stel de wijzigingen in. Een voorbeeld is te vinden in <u>deze handleiding</u>.

Stap 2. Navigeer naar Apparaten > Externe toegang > AnyConnect-beleid bewerken > Geavanceerd > Groepsbeleid.

Stap 3. Maak 3 verschillende groepsbeleidsmaatregelen:

Group1 met Split Tunneling configuratie ingesteld om al verkeer via tunnels toe te staan.
 Edit Group Policy

Name:*	Group1			
Description:				
General	AnyConnect	Advanced		
VPN Protoco	ls Pools	IPv4 Split Tunneling:	Allow all traffic over tunnel	~
Banner		IPv6 Split Tunneling:	Allow all traffic over tunnel	*
DNS/WINS		Split Tunnel Network List Type:	Standard Access List C Extended Access	List
Split Tunneli	ng	Standard Access List:	Split	v 0
		DNS Request Split Tunneling DNS Requests: Domain List:	Send DNS requests as per split tunnel policy	~
			Save	Cancel

• Group2 met Split Tunneling configuratie ingesteld op Split.

### Edit Group Policy

Name:*	Group2			
Description:				
General	AnyConnect	Advanced		
VPN Protocol	ls	IPv4 Split Tunneling:	Tunnel networks specified below	*
IP Address P Banner	0015	IPv6 Split Tunneling:	Allow all traffic over tunnel	*
DNS/WINS		Split Tunnel Network List Type:	Standard Access List      Extended Access L	ist
Split Tunneli	ng	Standard Access List:	Split	• O
		DNS Request Split Tunneling		
		DNS Requests:	Send DNS requests as per split tunnel policy	*
		Domain List:		
			Save	Cancel

• NOACCESS group voor gebruikers die niet tot een van de vorige groepen behoren. Het veld **Meld per gebruiker** wordt ingesteld op 0.

Edit Group Policy			? ×
Name:* NOACC	ESS		
Description:			
General AnyConnect	Advanced		
Traffic Filter	Access Hours:		✓ ②
Session Settings	Simultaneous Login Per User:	0	(Range 0-2147483647)
	Connection Time		
	Max Connection Time:		Minutes (Range 1-4473924)
	Alert Interval:	1	Minutes (Range 1-30)
	Idle Time		
	Idle Timeout:	30	Minutes (Range 1-35791394)
	Alert Interval:	1	Minutes (Range 1-30)
			Save Cancel

Stap 4. Pas het NOACCESS-groepsbeleid aan het verbindingsprofiel toe.

### Edit Connection Profile

Connection Profile: AnyConne	ct	
Group Policy:* NOACCESS Edit Group P	5 🔽 🗸 🕼 Policy	
Client Address Assignment A	AA Aliases	
IP Address for the remote clients can 'Client Address Assignment Policy' in	be assigned from local IP Address pools/DHCP Servers/AAA Servers. Cor the Advanced tab to define the assignment criteria.	figure the
Address Pools:		0-
Name	IP Address Range	
SSL	10.10.10.1-10.10.10.10	08
DHCP Servers:		0
Name	DHCP Server IP Address	
Configure device overrides in the advector of the enderties of the ende	dress pool object to avoid IP address conflicts in case of object is shared across	multiple devices
	Save	Cancel

Stap 5. Navigeer om te object > Objectbeheer in> FlexConfig > FlexConfig > Add FlexConfigobject.

Stap 6. Voeg de benodigde lidOf-waarden toe die vereist zijn voor de LDAP attribuut-map configuratie. Om de Groep DNA van de server te krijgen, kunt u de opdracht "dsquery samid-group <group-name>" gebruiken.

De implementatie moet als vroeger en type als voorkant worden ingesteld.

Tip: De namen en waarden van eigenschappen zijn Case-Sensitive. Als de mapping niet goed voorkomt, moet u er zeker van zijn dat de juiste spelling en kapitalisatie is gebruikt in de LDAP-attributenkaart voor zowel de Cisco- als de LDAP-eigenschappen en -waarden.

dit FlexConfig	g Object						?
lame:	LDAPattributeMAP						
escription:							
Copy-pastin	ng any rich text might introd	uce line breaks while ge	nerating CLI. Please verify	the CLI before deployme	ent.		
🔾 Insert 🔹	1. I.				Deployment:	Once 🖸 Typ	e: Prepend
map-value map-value	e <u>memberOf</u> "CN=g e <u>memberOf</u> "CN=g	roup1, <u>CN</u> =User	s,DC= <u>cisco</u> ,DC=c s,DC= <u>cisco</u> ,DC=c	com" Group1 com" Group2			
Variables							e
Name		Dimension	Default Value	Property (Typ	Override	Description	
			No records t	o display			
						Save	Cancel

Stap 7. Maak een andere versie FlexConfig Object met de naam AAAserverLDAPmapping. Dit object hecht de attribuut-map aan de configuratie van de aa-server aan.

De implementatiewaarden moeten worden ingesteld als ALTIJD en type als bijlage.

#### Add FlexConfig Object

Name:	AAAserverLDAPmapping						
Description:							
🔬 Copy-pastin	g any rich text might introduce	line breaks while g	enerating CLI. Please veri	fy the CLI before deploym	ient.		
🔘 Insert 💌					Deployment:	Everytime 🔉 1	Type: Append ᅌ
aaa-server	LDAP host 192.16	58.109.29					
ldap-att:	ibute-map MAP						
Vaslablas							
Variables		Dimension	Default Value	Property (True	Ourseride	Description	
Name		Dimension	Default value	Property (Typ	Override	Description	
			No records t	o display			
			No records c	o dispidy			
						Sav	/e Cancel

Stap 8. Navigeer naar Apparaten > FlexConfig > Bewerken van huidige FlexConfig. Verzeker u ervan dat de volgorde van de objecten FlexConfig in het beleid FlexConfig eerst het object dat wordt gevolgd door het object AAA-server wordt gevormd door de map Map van LFP-kenmerken.

Stap 9. Stel de configuratie op het apparaat in om deze configuratie naar het beheerde apparaat te sturen.

Om een extra waarde aan de LDAP-kaart toe te voegen, wijzigt u het bestaande FlexConfig LDAPAtributeMAP-object alleen om de nieuwe map-waarde op te nemen.

Edit FlexConfig	Object				? ×
Name:	LDAPattributeMAP				
Description:					
🛆 Copy-pastin	g any rich text might introduce line breaks while generating CLI. Please verify the CLI before deployment.				
🔾 Insert 🔹		Deployment:	Once ᅌ	Type:	Prepend ᅌ
ldap attri map-value	bute-map MAP memberOf "CN=group3, CN=Users, DC=cisco, DC=com" Group3				

### Verifiëren

Sluit aan op de FTD CLISH en geef deze opdrachten uit om ervoor te zorgen dat de gebruikers in de gedefinieerde groepen verbinding kunnen maken.

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

Session Type: AnyConnect

```
Index : 25
Public IP : 192.168.109.80
           : ciscol
Username
Assigned IP : 10.10.10.1
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)noneSSL-Tunnel: (1)SHA384DTLS-Tunnel: (1)SHA1Bytes Tx: 15820Bytes Rx: 160
           : 15820
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 : 0000000000190005bbcd125
Security Grp : none
                                    Tunnel Zone : 0
```

> show vpn-sessiondb anyconnect

Session Type: AnyConnect

Public IP : 107 Username : cisco2 Assigned IP : 11.11.11.1 : 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 : 0h:00m:14s Duration Inactivity : 0h:00m:00s VLAN Mapping : N/A VLAN : none Audt Sess ID : 00000000001a0005bbcd17c Security Grp : none Tunnel Zone : 0

### Problemen oplossen

#### Debugs:

U kunt deze debug-opdrachten gebruiken om de LDAP-transactie te controleren.

> system support diagnostic-cli
debug ldap 250
debug aaa common 250
Dit zijn voorbeelden van succesvolle uitvoer voor elke debug opdracht.

#### 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=cisco1]
       Scope = [SUBTREE]
[49] User DN = [CN=cisco1, 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
      objectClass: value = organizationalPerson
[49]
[49] objectClass: value = user
[49]
      cn: value = ciscol
[49]
      givenName: value = ciscol
      distinguishedName: value = CN=cisco1,CN=Users,DC=cisco,DC=com
[49]
[49]
      instanceType: value = 4
[49]
       whenCreated: value = 20181009153032.0Z
[49]
       whenChanged: value = 20181009154032.0Z
[49]
       displayName: value = cisco1
      uSNCreated: value = 856333
[49]
     memberOf: value = CN=group1,CN=Users,DC=cisco,DC=com
[49]
[49]
               mapped to Group-Policy: value = Group1
               mapped to LDAP-Class: value = Group1
[49]
[49]
      uSNChanged: value = 856372
       name: value = ciscol
[49]
[49]
      objectGUID: value = .K.'..3N....Q...
[49]
      userAccountControl: value = 66048
[49]
      badPwdCount: value = 1
[49]
      codePage: value = 0
       countryCode: value = 0
[49]
      badPasswordTime: value = 131835752510299209
[49]
[49]
       lastLogoff: value = 0
      lastLogon: value = 131835733331105504
[49]
      pwdLastSet: value = 131835726324409149
[49]
[49]
      primaryGroupID: value = 513
[49]
      objectSid: value = .....E1.E.G..9..@s...
      adminCount: value = 1
[49]
[49]
       accountExpires: value = 9223372036854775807
       logonCount: value = 0
[49]
      sAMAccountName: value = ciscol
[49]
[49]
      sAMAccountType: value = 805306368
[49]
      userPrincipalName: value = ciscol@cisco.com
[49]
       objectCategory: value = CN=Person, CN=Schema, CN=Configuration, DC=cisco, DC=com
       dSCorePropagationData: value = 20181009153316.0Z
[49]
       dSCorePropagationData: value = 16010101000000.0Z
[49]
       lastLogonTimestamp: value = 131835732321783732
[49]
[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: ciscol
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 ciscol
Class attribute created from LDAP-Class attribute
[31] AAA FSM: In AAA_Callback
user attributes:
 1
     User-Name(1)
                     6
                           "cisco1"
      User-Password(2) 13 (hidden)
 2
 3
      Group-Policy(4121)
                           6 "Group1"
      AAA-AVP-Table(4243) 1639 "g[06][00][00]$[00][00][00]x[01][00][00][8F][01][00][00]"
 4
 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)</pre>
     Filter-Id(11) 8
                            ....
 1
      Session-Timeout(27)
 2
                            4
                                  0
      Idle-Timeout(28) 4 30
 3
     Simultaneous-Logins(4098) 4
 4
                                        3
 5
     Primary-DNS(4101) 4 IP: 0.0.0.0
                            4 IP: 0.0.0.0
 6
     Secondary-DNS(4102)
 7
                           4 IP: 0.0.0.0
     Primary-WINS(4103)
      Secondary-WINS(4104)
                             4 IP: 0.0.0.0
 8
 9
      Tunnelling-Protocol(4107)
                                  4
                                       96
      Banner(4111) 0 0x00002aaad49daa38
10
                                               ** Unresolved Attribute **
      Split-Tunnel-Inclusion-List(4123) 8
                                               ....
11
      Default-Domain-Name(4124) 0 0x00002aaad49daa41 ** Unresolved Attribute **
12
      Secondary-Domain-Name-List(4125) 0 0x00002aaad49daa42 ** Unresolved Attribute
13
* *
14
      Split-Tunneling-Policy(4151)
                                  4
                                           0
      Group-giaddr(4157) 4 IP: 0.0.0.0
15
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
      WebVPN SVC Rekey method(4207)
                                      4
20
                                           0
                                    4
                                         0
21
      WebVPN SVC Compression(4208)
      WebVPN SVC Firewall Rule(4211)
                                      17
                                          "public#,private#,"
22
23
      WebVPN SVC DTLS Compression(4213)
                                          4
                                             0
      WebVPN SVC DTLS enable(4219) 4
                                         1
24
25
      WebVPN SVC MTU(4221) 4 1406
                          4 "dart"
26
      CVC-Modules(4223)
      CVC-Profile(4224) 11
                               "FTD03#user,"
27
      CVC-Ask(4227) 4 2
 28
```

```
29
      CVC-Ask-Timeout(4228) 4
                              0
      VLAN ID(4236) 4
30
                         0
31
     WebVPN Idle timeout alert interval(4244)
                                         4 1
     WebVPN Session timeout alert interval(4245) 4 1
32
33
     List of address pools to assign addresses from(4313) 3
                                                         "SSL"
     SVC ignore DF bit(4326) 4 0
34
      Configure the behaviour of DNS queries by the client when Split tunneling is
35
enabled(4328) 4 0
                           Primary-IPv6-DNS(4329)
36
Client Bypass Protocol(4331) 4 0
   IPv6-Split-Tunneling-Policy(4332)
                                    4
                                         0
39
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
     Idle-Timeout(28) 4 30
 3
    Simultaneous-Logins(4098) 4
 4
                                   0
 5
     Primary-DNS(4101) 4 IP: 0.0.0.0
                        4 IP: 0.0.0.0
 6
     Secondary-DNS(4102)
 7
                        4 IP: 0.0.0.0
     Primary-WINS(4103)
     Secondary-WINS(4104) 4 IP: 0.0.0.0
 8
 9
     Tunnelling-Protocol(4107)
                              4
                                  96
     Banner(4111) 0 0x00002aaad2580328 ** Unresolved Attribute **
10
                        8 "NOACCESS"
11
      Group-Policy(4121)
12
      Split-Tunnel-Inclusion-List(4123) 8
                                         . . .
      Default-Domain-Name(4124) 0 0x00002aaad2580331 ** Unresolved Attribute **
13
      Secondary-Domain-Name-List(4125) 0 0x00002aaad2580332 ** Unresolved Attribute
14
* *
15
     Split-Tunneling-Policy(4151)
                                 4 0
      Group-giaddr(4157) 4 IP: 0.0.0.0
16
17
      WebVPN SVC Keepalive interval(4203) 4
                                           20
      WebVPN SVC Client DPD period(4204)
18
                                       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
                                4 0
2.2
     WebVPN SVC Compression(4208)
     WebVPN SVC Firewall Rule(4211)
                                 17 "public#,private#,"
23
                                     4
     WebVPN SVC DTLS Compression(4213)
24
                                         0
25
      WebVPN SVC DTLS enable(4219) 4
                                      1

        WebVPN SVC MTU(4221)
        4
        1406

        CVC-Modules(4223)
        4
        "dart"

        CVC-Profile(4224)
        11
        "FTD03#u

26
27
28
                            "FTD03#user,"
     CVC-Ask(4227) 4 2
29
30
     CVC-Ask-Timeout(4228)
                          4 0
     VLAN ID(4236) 4 0
31
32
      WebVPN Idle timeout alert interval(4244)
                                           4
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
   Primary-IPv6-DNS(4329)
                           36
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 0x0000000000000 AAA API: In aaa\_close Checking simultaneous login restriction (max allowance=3) for user ciscol AAA task: aaa\_process\_msg(0x00002b4ad7423b20) received message type 2 In aaai\_close\_session (31) AAA API: In aaa\_send\_acct\_start