

NMSP-problemen oplossen bij MSE en geconvergeerde access point (5760/3850/3650/4500s8e)

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Inleiding

Network Mobility Services Protocol (NMSP) beheert communicatie tussen de Mobility Services Engine (MSE) en de draadloze LAN-controller (WLC).

NMSP is een bidirectioneel protocol dat via een op verbinding georiënteerd of een connectioneloos transport kan worden uitgevoerd. Context-bewuste switches kunnen NMSP gebruiken om met een of meer MSE's te communiceren. NMSP is gebaseerd op een bidirectioneel systeem van verzoeken en reacties tussen de MSE en de toegangscontroller. Laten we nu eens zien hoe deze communicatie tussen MSE en WLC mogelijk wordt.

Hier hebben we 3850 (op IOS gebaseerde WLC) en MSE voor dit artikel gebruikt.

Probleem:

Aangelegenheden in het opzetten van NMSP - tunnel tussen 3850 en MSE.

Gebruikte apparaten:

MESE: Virtual-MSE 8.0.110 (MR.1)

WLC: 3850 3,3,5 SE

Prime-infrastructuur (PI): 2.2.1

Aangezien NMSP via SSL (Secure Socket Layer) werkt, moet u MSE-gecrediteerd worden op WLC. MSE gebruikt zijn MAC-adres en Key Hash, dus dient de WLC zich van deze twee parameters bewust te zijn. U kunt dit detail verkrijgen via MSE CLI zoals hieronder getoond

```
[root@robin ~]#-mdshell
```

```
cmd> geeft informatie over de server-auth weer
opdracht aanhalen: com.aes.server.cli.comGetServerAuthInfo
AesLog wachtrij met groot label: 50000
AesLog wachtrij met lage markering: 500
```

—
Auditinformatie over servers

—
MAC-adres: 00:50:56:90
SHA1-hoofdwas: e0afbe2e2abeed5a2f9ffc75f059da6a1bf2bfa0
SHA2-toets: 6ab919e20afc103d025aaf210c2a9dda151af9403ef52e80a35ae1ecb6d3c177
certificaattype: SSC

Nu configureren van NMSP-instellingen op een geconvergeerd access platform (5760/3850/3650). Hier hebben we 3850 gebruikt. We moeten het MSE MAC-adres als naam van de gebruiker configureren en de toets als wachtwoord doorsturen. Opmerking: De versie die op mijn 3850 draait, is 3.3.5 SE & SHA2-encryptie. Deze wordt in IOS-XE gebruikt.

Gebruikte opdrachten:

```
3850c (configuratie)#gebruikersnaam 0050569c3489 AAA attributenlijst NMSP
3850c (configuratie)#aaa attributenlijst NMSP
3850c (configuratie)#attribuut type wachtwoord
6ab919e20afc103d025aaf210c2a9dda151af9403ef52e80a35ae1ecb6d3c 177
3850c (configuratie)#aaa autorisatie-download wcm_loc_serv_cert lokaal
```

```
3850c#
3850c#conf t
Enter configuration commands, one per line. End with CNTL/Z.
3850c(config)#
3850c(config)#username 0050569c3489 aaa attribute list NMSP
3850c(config)#aaa attribute list NMSP
3850c(config-attr-list)#attribute type password 6ab919e20afc103d025aaf210c2a9d$
3850c(config-attr-list)#$zation credential-download wcm_loc_serv_cert local
3850c(config)#
3850c(config)#exit
3850c#
3850c#
3850c#sh run | i aaa
username 0050569c3489 mac aaa attribute list NMSP
aaa new-model
aaa authentication login local_webauth local
aaa authentication dot1x default group radius
aaa authorization network default group radius
aaa authorization credential-download default local
aaa authorization credential-download wcm_loc_serv_cert local
aaa accounting update periodic 15
aaa attribute list NMSP
aaa attribute list mse_0050569c3489
aaa session-id common
3850c#
```

Klik in uw Prime-infrastructuur op: Services > Mobiliteitsservices > synchrone services
Selecteer de knop 3850 en klik op "Wijzig toewijzing".
Vervolgens moet u de juiste MSE & Services selecteren die u wilt synchroniseren tussen WLC (3850) en MSE.

Services > Mobility Services > Synchronize Services

Synchronize Services

For MSE versions prior to 7.0.x, modifying the assignment for one service will also modify the assignment for the other service(s).

Network Designs

Controllers

Event Groups

Wired Switches

Third Party Elements

Service Advertisements

Name	IP Address	Version	Service	MSE	Sync Status	Message
3850c.rhambly.com	10.201.234.36	03.03.05SE	-	-	-	Auto assignment was overridden for MSE(s) [robin]. Please assign the controller to these MSE(s) to remove the override.
nms-bugs						

Change MSE Assignment Reset

Total Entries 2

Choose MSEs

Name	IP Address	CAS	wIPS	MSAP
robin	10.201.236.122	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Synchronize Cancel

Synchronization is taking place. Please wait.

Services > Mobility Services > Synchronize Services

Synchronize Services

For MSE versions prior to 7.0.x, modifying the assignment for one service will also modify the assignment for the other service(s).

Network Designs

Controllers

Event Groups

Wired Switches

Third Party Elements

Service Advertisements

Name	IP Address	Version	Service	MSE	Sync Status	Message
3850c.rhambly.com	10.201.234.36	03.03.05SE	CAS	robin [NMSP Status]		-
nms-bugs	172.16.174.13	7.0.252.0	-	-	-	-

Change MSE Assignment Reset

Total Entries 2

Verifiëren:

Na voltooiing van de gesynchroniseerde services kunt u dit verifiëren bij WLC, MSE of PI GUI.

Via 3850 CLI:

```
3850c#
3850c#show nmsp status
MSE IP Address Tx Echo Resp Rx Echo Req Tx Data Rx Data
-----
10.201.236.122 9 9 48 14
```

```
3850c#show nmsp subscription de
3850c#show nmsp subscription detail
Mobility Services Subscribed by 10.201.236.122:
Service Subservice
-----
RSSI Mobile Station, Tags
Info Mobile Station
Statistics Mobile Station, Tags
Attachement Wired Station
Location Subscription

3850c#
```

```

3850c#show nmsp subscription summary
Mobility Services Subscribed
-----

Server IP          Services
-----
10.201.236.122    RSSI, Info, Statistics, Attachment, Wired Location

3850c#

```

Via MSE GUI

Ga voor MSE v8.0 of hoger naar: (https://<MSE_IP>/mseui/)

The screenshot shows the Cisco MSE GUI interface. The left sidebar contains navigation options like Dashboard, General Properties, Licensing, Active Sessions, Trap Destinations, Advanced Parameters, Logging, ACCOUNTS, Users, Groups, STATUS, Server Events, Audit Logs, and NMSP Status (highlighted). The main content area displays the NMSP Status for IP 10.201.234.36. It includes a Summary section with fields for IP Address, Target Type, NMSP Status, Echo Request/Response Counts, Last Activity Time, and Last Echo Request/Response Messages. Below this is a Subscribed Services table listing services like RSSI, Attachment, Information, Location, and Statistics, each with associated sub-services. At the bottom, there is a Messages table with columns for Message Type, IN/OUT, Count, Last Activity Time, and Bytes.

Message Type	IN / OUT	Count	Last Activity Time	Bytes
INFORMATION_REQUEST	OUT	2	Jun-06-2015 14:53:13 PM	38
STATISTICS_REQUEST	OUT	4	Jun-06-2015 14:53:13 PM	76
STATISTICS_RESPONSE	IN	4	Jun-06-2015 14:53:13 PM	66
SERVICE_SUBSCRIBE_REQUEST	OUT	1	Jun-06-2015 14:52:59 PM	77
SERVICE_SUBSCRIBE_RESPONSE	IN	1	Jun-06-2015 14:52:59 PM	18
LOCATION_RESPONSE	IN	2	Jun-06-2015 14:53:13 PM	70

Problemen oplossen:

Als NMSP nog steeds inactief is:

- 1) Controleer de hoofdwas en voer, als de kleding niet goed uitkomt, de hash handmatig in zoals boven aangegeven
- 2) NTP-tijdsync moet er zijn tussen MSE en WLC

Debugs:

Foutenscenario:

Geen bevestiging hash-toets:

```

3850c#set sporen nmsp verbindingniveau debug
3850c#show-meldingen nmsp

```

[06/03/15 22:28:10.762 UTC a27 10241] **Toegewezen nieuwe NMSP-verbinding 0**

[06/03/15 22:28:10.762 UTC a28 10241] sslConnectionInit: SSL_new() conn ssl b3f8a8d0
[06/03/15 22:28:10.762 UTC a29 10241] sslConnectionInit: SSL_do_handshake voor conn ssl b3f8a8d0, met de volgende betekenis: INIT, SSL-status: HANDSHAIING
[06/03/15 22:28:10.762 UTC a2a 10241] SSL-staat = 0x6000; waarbij = 0x10; reg = 0x1
[06/03/15 22:28:10.762 UTC a2b 10241] ret_type_string=onbekend
[06/03/15 22:28:10.762 UTC a2c 10241] ret_desc_string=onbekend
[06/03/15 22:28:10.762 UTC a2d 10241] SSL_state_string=voor/accepteer initialisatie
[06/03/15 22:28:10.762 UTC a2e 10241] SSL-staat = 0x6000; waarbij = 0x2001; reg = 0x1
[06/03/15 22:28:10.762 UTC a2f 10241] ret_type_string=onbekend
[06/03/15 22:28:10.762 UTC a30 10241] ret_desc_string=onbekend
[06/03/15 22:28:10.762 UTC a31 10241] SSL_state_string=vóór/accepteer initialisatie
[06/03/15 22:28:10.762 UTC a32 10241] SSL-staat = 0x2111; waarbij = 0x2002; ref = 0xffffffff
[06/03/15 22:28:10.762 UTC a33 10241] ret_type_string=onbekend
[06/03/15 22:28:10.762 UTC a34 10241] ret_desc_string=onbekend
[06/03/15 22:28:10.762 UTC a35 10241] SSL_state_string=SSLv3 lees client hallo B
—Meer—?????????? ????????[06/03/15 22:28:10.762 UTC a36 10241] — Geeft WANT_READ terug voor conn ssl b3f8a8d0
[06/03/15 22:28:10.762 UTC a37 10241] sslConnectionInit() succes met verbindingstaat: INIT, SSL-status: HANDSHAIING
[06/03/15 22:28:10.768 UTC a38 10241] doSSLRecvLoop: **Handshake is niet voltooid voor conn 0**
[06/03/15 22:28:10.768 UTC a39 10241] sslConnectionInit: SSL_do_handshake voor conn ssl b3f8a8d0, met de volgende betekenis: INIT, SSL-status: HANDSHAIING
[06/03/15 22:28:10.768 UTC a3a 10241] SSL staat = 0x2111; waarbij = 0x2001; reg = 0x1
[06/03/15 22:28:10.768 UTC a3b 10241] ret_type_string=onbekend
[06/03/15 22:28:10.768 UTC a3c 10241] ret_desc_string=onbekend
[06/03/15 22:28:10.768 UTC a3d 10241] SSL_state_string=SSLv3 lees client hallo B
[06/03/15 22:28:10.768 UTC a3e 10241] SSL-staat = 0x2130; waarbij = 0x2001; reg = 0x1
[06/03/15 22:28:10.768 UTC a3f 10241] ret_type_string=onbekend
[06/03/15 22:28:10.768 UTC a40 10241] ret_desc_string=onbekend
[06/03/15 22:28:10.768 UTC a41 10241] SSL_state_string=SSLv3 schrijfservr hallo A
[06/03/15 22:28:10.768 UTC a42 10241] SSL-staat = 0x2140; waarbij = 0x2001; reg = 0x1
[06/03/15 22:28:10.768 UTC a43 10241] ret_type_string=onbekend
[06/03/15 22:28:10.768 UTC a44 10241] ret_desc_string=onbekend
[06/03/15 22:28:10.768 UTC a45 10241] SSL_state_string=SSLv3 schrijfcertificaat A
—Meer—?????????? ????????[06/03/15 22:28:10.768 UTC a46 10241] SSL staat = 0x2160; waarbij = 0x2001; reg = 0x1
[06/03/15 22:28:10.768 UTC a47 10241] ret_type_string=onbekend
[06/03/15 22:28:10.768 UTC a48 10241] ret_desc_string=onbekend
[06/03/15 22:28:10.768 UTC a49 10241] SSL_state_string=SSLv3 schrijfcertificaatverzoek A
[06/03/15 22:28:10.768 UTC a4a 10241] SSL-staat = 0x2100; waarbij = 0x2001; reg = 0x1
[06/03/15 22:28:10.768 UTC a4b 10241] ret_type_string=onbekend
[06/03/15 22:28:10.768 UTC a4c 10241] ret_desc_string=onbekend
[06/03/15 22:28:10.768 UTC a4d 10241] SSL_state_string=SSLv3 vloedgegevens
[06/03/15 22:28:10.768 UTC a4e 10241] SSL-staat = 0x2180; waarbij = 0x2002; ref = 0xffffffff
[06/03/15 22:28:10.768 UTC a4f 10241] ret_type_string=onbekend
[06/03/15 22:28:10.768 UTC a50 10241] ret_desc_string=onbekend
[06/03/15 22:28:10.768 UTC a51 10241] SSL_state_string=SSLv3 gelezen client certificaat A
[06/03/15 22:28:10.768 UTC a52 10241] — Geeft WANT_READ terug voor conn ssl b3f8a8d0
[06/03/15 22:28:11.068 UTC a53 10241] doSSLRecvLoop: Handshake is niet voltooid voor conn 0
[06/03/15 22:28:11.068 UTC a54 10241] **sslConnectionInit: SSL_do_handshake voor conn ssl b3f8a8d0, met de volgende betekenis: INIT, SSL-status: HANDSHAIING**
[06/03/15 22:28:11.069 UTC a55 10241] Geldigheidscertificaat, afgegeven voor conn ssl

b3f8a8d0, oproepend tot auteur.

—Meer—????????????????????[06/03/15 22:28:11.070 UTC a56 10241] Auteur niet geauthentificeerd voor conn ssl b3f8a8d0
[06/03/15 22:28:12.070 UTC a57 10241] Peer niet gevalideerd tegen de AuthList
[06/03/15 22:28:12.070 UTC a58 10241] SSL-staat = 0x2182; waarbij = 0x4008; restant = 0x22e
[06/03/15 22:28:12.070 UTC a59 10241] ret_type_string=fatal
[06/03/15 22:28:12.070 UTC a5a 10241] **ret_desc_string=certificaat onbekend**
[06/03/15 22:28:12.070 UTC a5b 10241] SSL_state_string=SSLv3 gelezen client certificaat C
[06/03/15 22:28:12.070 UTC a5c 10241] SSL staat = 0x2182; waarbij = 0x2002; ref = 0xffffffff
[06/03/15 22:28:12.070 UTC a5d 10241] ret_type_string=onbekend
[06/03/15 22:28:12.070 UTC a5e 10241] ret_desc_string=onbekend
[06/03/15 22:28:12.070 UTC a5f 10241] SSL_state_string=SSLv3 gelezen client certificaat C
[06/03/15 22:28:12.070 UTC a60 10241] — **handdruk mislukt voor conn ssl b3f8a8d0, ssl_err 1 error = error:140890B2:Get SSL routines:SSL3_SSL_CLIENT_CERTIFICAAT:geen certificaat teruggegeven**
[06/03/15 22:28:12.070 UTC a61 10241] **bevrijding van Nmsp conn ssl b3f8a8d0, conn id 0**

Successscenario:

[06/06/15 17:47:53.600 UTC 4f2 10205] Doorsturen van NMSP_APP_MEAS_NOTIFY_MSG naar LocServer 0
[06/06/15 17:56:34.305 UTC 4f3 10205] **Toegewezen nieuwe NMSP-verbinding 0**
—Meer—????????????????????[06/06/15 17:56:34.306 UTC 4f4 10205] sslConnectionInit: SSL_new() conn ssl 590a6048
[06/06/15 17:56:34.306 UTC 4f5 10205] sslConnectionInit: SSL_do_handshake voor conn ssl 590a6048, toestand: INIT, SSL-status: HANDSHAIING
[06/06/15 17:56:34.306 UTC 4f6 10205] SSL-staat = 0x6000; waarbij = 0x10; reg = 0x1
[06/06/15 17:56:34.306 UTC 4f7 10205] ret_type_string=onbekend
[06/06/15 17:56:34.306 UTC 4f8 10205] ret_desc_string=onbekend
[06/06/15 17:56:34.307 UTC 4f9 10205] SSL_state_string=vóór/accepteer initialisatie
[06/06/15 17:56:34.307 UTC 4fa 10205] SSL-staat = 0x6000; waarbij = 0x2001; reg = 0x1
[06/06/15 17:56:34.307 UTC 4fb 10205] ret_type_string=onbekend
[06/06/15 17:56:34.307 UTC 4fc 10205] ret_desc_string=onbekend
[06/06/15 17:56:34.307 UTC 4fd-205] SSL_state_string=vóór/accepteer initialisatie
[06/06/15 17:56:34.307 UTC 4fe 10205] SSL staat = 0x2111; waarbij = 0x2002; ref = 0xffffffff
[06/06/15 17:56:34.307 UTC 4ff 10205] ret_type_string=onbekend
[06/06/15 17:56:34.307 UTC 500 10205] ret_desc_string=onbekend
[06/06/15 17:56:34.307 UTC 501 10205] SSL_state_string=SSLv3 lees "hallo van client" B
[06/06/15 17:56:34.307 UTC 502 10205] — Geeft WANT_READ terug voor conn ssl 590a6048
[06/06/15 17:56:34.307 UTC 503 10205] sslConnectionInit() succes met verbindingstaat: INIT, SSL-status: HANDSHAIING
—Meer—????????????????????[06/06/15 17:56:34.309 UTC 504 10205] doSSLRecvLoop: Handshake is niet voltooid voor conn 0
[06/06/15 17:56:34.309 UTC 505 10205] **sslConnectionInit: SSL_do_handshake voor conn ssl 590a6048, toestand: INIT, SSL-status: HANDSHAIING**
[06/06/15 17:56:34.309 UTC 506 10205] SSL-staat = 0x2111; waarbij = 0x2001; reg = 0x1
[06/06/15 17:56:34.309 UTC 507 10205] ret_type_string=onbekend
[06/06/15 17:56:34.309 UTC 508 10205] ret_desc_string=onbekend
[06/06/15 17:56:34.309 UTC 509 10205] SSL_state_string=SSLv3 lees client hallo B
[06/06/15 17:56:34.309 UTC 50a 10205] SSL-staat = 0x2130; waarbij = 0x2001; reg = 0x1
[06/06/15 17:56:34.309 UTC 50b 10205] ret_type_string=onbekend
[06/06/15 17:56:34.309 UTC 50c 10205] ret_desc_string=onbekend
[06/06/15 17:56:34.309 UTC 50d 10205] SSL_state_string=SSLv3 schrijfservar hallo A

[06/06/15 17:56:34.310 UTC 50e 10205] SSL-staat = 0x2140; waarbij = 0x2001; reg = 0x1
[06/06/15 17:56:34.310 UTC 50f 10205] ret_type_string=onbekend
[06/06/15 17:56:34.310 UTC 510 10205] ret_desc_string=onbekend
[06/06/15 17:56:34.310 UTC 511 10205] SSL_state_string=SSLv3 schrijfcertificaat A
[06/06/15 17:56:34.310 UTC 512 10205] SSL-staat = 0x2160; waarbij = 0x2001; reg = 0x1
[06/06/15 17:56:34.310 UTC 513 10205] ret_type_string=onbekend
—Meer—?????????? ???????[06/06/15 17:56:34.310 UTC 514 10205]
ret_desc_string=onbekend
[06/06/15 17:56:34.310 UTC 515 10205] SSL_state_string=SSLv3 schrijfcertificaatverzoek A
[06/06/15 17:56:34.310 UTC 516 10205] SSL-staat = 0x2100; waarbij = 0x2001; reg = 0x1
[06/06/15 17:56:34.310 UTC 517 10205] ret_type_string=onbekend
[06/06/15 17:56:34.310 UTC 518 10205] ret_desc_string=onbekend
[06/06/15 17:56:34.310 UTC 519 10205] SSL_state_string=SSLv3 vloedgegevens
[06/06/15 17:56:34.310 UTC 51a 10205] SSL-staat = 0x2180; waarbij = 0x2002; ref = 0xffffffff
[06/06/15 17:56:34.310 UTC 51b 10205] ret_type_string=onbekend
[06/06/15 17:56:34.310 UTC 51c 10205] ret_desc_string=onbekend
[06/06/15 17:56:34.310 UTC 51d 10205] SSL_state_string=SSLv3 lees client certificaat A
[06/06/15 17:56:34.310 UTC 51e 10205] — Geeft WANT_READ terug voor conn ssl 590a6048
[06/06/15 17:56:34.610 UTC 51f 10205] doSSLRecvLoop: Handshake is niet voltooid voor conn 0
**[06/06/15 17:56:34.610 UTC 520 10205] sslConnectionInit: SSL_do_handshake voor conn
ssl 590a6048, toestand: INIT, SSL-status: HANDSHAKING**
**[06/06/15 17:56:34.616 UTC 521 10205] Geldigheidscertificaat Gedaan te bnp 590a6048, met
vermelding van de autielijst.**
**[06/06/15 17:56:34.622 UTC 522 10205] Goedgekeurde echtheidscontrole voor conn ssl
590a6048**
**?????????????? ???????[06/06/15 17:56:35.616 UTC 523 10205] Peer gevalideerd tegen de
AuthList**
[06/06/15 17:56:35.616 UTC 524 10205] SSL-staat = 0x2180; waarbij = 0x2001; reg = 0x1
[06/06/15 17:56:35.616 UTC 525 10205] ret_type_string=onbekend
[06/06/15 17:56:35.616 UTC 526 10205] ret_desc_string=onbekend
[06/06/15 17:56:35.616 UTC 527 10205] SSL_state_string=SSLv3 lees client certificaat A
[06/06/15 17:56:35.633 UTC 528 10205] SSL-staat = 0x2190; waarbij = 0x2001; reg = 0x1
[06/06/15 17:56:35.633 UTC 529 10205] ret_type_string=onbekend
[06/06/15 17:56:35.633 UTC 52a 10205] ret_desc_string=onbekend
[06/06/15 17:56:35.633 UTC 52b 10205] SSL_state_string=SSLv3 lees client-sleuteluitwisseling A
[06/06/15 17:56:35.635 UTC 52c 10205] SSL-staat = 0x21a0; waarbij = 0x2001; reg = 0x1
[06/06/15 17:56:35.636 UTC 52d 10205] ret_type_string=onbekend
[06/06/15 17:56:35.636 UTC 52e 10205] ret_desc_string=onbekend
[06/06/15 17:56:35.636 UTC 52f 10205] SSL_state_string=SSLv3 lees certificaat verify A
[06/06/15 17:56:35.636 UTC 530 10205] SSL-staat = 0x21c0; waarbij = 0x2001; reg = 0x1
[06/06/15 17:56:35.636 UTC 531 10205] ret_type_string=onbekend
[06/06/15 17:56:35.636 UTC 532 10205] ret_desc_string=onbekend
—Meer—???????????? ???????[06/06/15 17:56:35.636 UTC 533 10205]
SSL_state_string=SSLv3 gelezen als voltooid A3
[06/06/15 17:56:35.636 UTC 534 10205] SSL-staat = 0x21d0; waarbij = 0x2001; reg = 0x1
[06/06/15 17:56:35.636 UTC 535 10205] ret_type_string=onbekend
[06/06/15 17:56:35.636 UTC 536 10205] ret_desc_string=onbekend
[06/06/15 17:56:35.636 UTC 537 10205] SSL_state_string=SSLv3 schrijfkartteken A
[06/06/15 17:56:35.636 UTC 538 10205] SSL-staat = 0x21e0; waarbij = 0x2001; reg = 0x1
[06/06/15 17:56:35.636 UTC 539 10205] ret_type_string=onbekend
[06/06/15 17:56:35.636 UTC 53a 10205] ret_desc_string=onbekend
[06/06/15 17:56:35.636 UTC 53b 10205] SSL_state_string=SSLv3 schrijven voltooid A.
[06/06/15 17:56:35.637 UTC 53c 10205] SSL-staat = 0x2100; waarbij = 0x2001; reg = 0x1

[06/06/15 17:56:35.637 UTC 53d 10205] ret_type_string=onbekend
[06/06/15 17:56:35.637 UTC 53e 10205] ret_desc_string=onbekend
[06/06/15 17:56:35.637 UTC 53f 10205] SSL_state_string=SSLv3 vloedgegevens
[06/06/15 17:56:35.637 UTC 540 10205] SSL-staat = 0x3; waarbij = 0x20; reg = 0x1
[06/06/15 17:56:35.637 UTC 541 10205] ret_type_string=onbekend
[06/06/15 17:56:35.637 UTC 542 10205] ret_desc_string=onbekend
[06/06/15 17:56:35.637 UTC 543 10205] SSL_state_string=SSL onderhandeling voltooid
[06/06/15 17:56:35.637 UTC 544 10205] SSL-staat = 0x3; waarbij = 0x2002; reg = 0x1
—Meer—?????????? ??????????[06/06/15 17:56:35.637 UTC 545 10205]
ret_type_string=onbekend
[06/06/15 17:56:35.637 UTC 546 10205] ret_desc_string=onbekend
[06/06/15 17:56:35.637 UTC 547 10205] SSL_state_string=SSL onderhandeling voltooid
**[06/06/15 17:56:35.637 UTC 548 10205] SSL_do_handshake() geslaagd voor conn ssl
590a6048**
[06/06/15 17:56:35.637 UTC 549 10205] NMSP verbinding succes! voor conn. 0