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(NMSP)Enginer(MSE)Controller(WLC)

NMSPNMSPMSEsNMSPMSE sMSE & WLC

3850 (IOSWLC) & MSE

NMSP3850 & MSE

MSE MSE 8.0.110 (MR1)

WLC 38503.3.5SE

Infrastructure(PI) 2.2.1

NMSPSSL ()MSEWLCMSEMAC&WLCMSE CLI

[!ENTITY!] # cmdshell

cmd>INFO

com.aes.server.cli.CmdGetServerAuthInfo

AesLog50000

AesLog500

-----

```

-----
MAC 00:50:56:9c:34:89
SHA1e0afbe2e2abeed5a2f9ffc75f059da6a1bf2bfa0
SHA26ab919e20afc103d025aaf210c2a9dda151af9403ef52e80a35ae1ecb6d3c177
SSC

```

```

(5760/3850/3650)NMSP
3850MSE MAC38503.3.5 SE & SHA2IOS-XE

```

```

3850c(config)#username 0050569c3489 aaaNMSP
3850c(config)#aaa
3850c(config)#attribute
3850c(config)#aaa

```

```

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#

```

## Services>> 3850 &MSE MSE &WLC (3850) & 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).

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

Buttons: Change MSE Assignment, Reset

**Choose MSEs** dialog box:

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

Buttons: 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).

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

Buttons: Change MSE Assignment, Reset

# WLC MSEPI GUI

## 3850CLI

```
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
Attachment           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#
```

## MSE GUI

MSE v8.0([https:// <MSE\\_IP>/mseui/](https://<MSE_IP>/mseui/))

The screenshot shows the MSE GUI interface. On the left is a navigation menu with options like Dashboard, General Properties, Licensing, Home Services, Top Destinations, Advanced Parameters, Logging, Accounts, Users, Groups, Policies, Server Status, Audit Log, and Settings. The main content area displays a 'Summary' section for IP address 10.201.236.122, including fields for Target Type (RMP), RMP Status (Active), Echo Request Count (27), and Echo Response Count (27). Below this is a 'Subscribed Services' table listing services like RSSI, Info, Statistics, Attachment, and Location. At the bottom, a 'Messages' table shows a log of messages with columns for Message Type, IN/OUT, Count, Last Activity Time, and Error.

## 排除故障：

NMSP

1)

2) NTPMSE & WLC

```
3850c#set trace nmsp
3850c#show tracemnmsp
```

[06/03/15 22:28:10.762 UTC a27 10241]NMSP0

```
[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 conn sslb3f8a8d0 SSL_do_handshake
connINIT SSL
[06/03/15 22:28:10.762 UTC a2a 10241] SSL= 0x6000;= 0x10;ret= 0x1
[06/03/15 22:28:10.762 UTC a2b 10241] ret_type_string=unknown
[06/03/15 22:28:10.762 UTC a2c 10241] ret_desc_string=unknown
[06/03/15 22:28:10.762 UTC a2d 10241] SSL_state_string=before/accept
[06/03/15 22:28:10.762 UTC a2e 10241] SSL= 0x6000;= 0x2001;ret= 0x1
[06/03/15 22:28:10.762 UTC a2f 10241] ret_type_string=unknown
[06/03/15 22:28:10.762 UTC a30 10241] ret_desc_string=unknown
[06/03/15 22:28:10.762 UTC a31 10241] SSL_state_string=before/accept
[06/03/15 22:28:10.762 UTC a32 10241] SSL= 0x2111;= 0x2002;ret= 0xffffffff
[06/03/15 22:28:10.762 UTC a33 10241] ret_type_string=unknown
[06/03/15 22:28:10.762 UTC a34 10241] ret_desc_string=unknown
[06/03/15 22:28:10.762 UTC a35 10241] SSL_state_string=SSLv3Hello B
---- [06/03/15 22:28:10.762 UTC a36 10241]--conn sslb3f8a8d0WANT_READ
[06/03/15 22:28:10.762 UTC a37 10241] sslConnectionInit()INIT SSL
[06/03/15 22:28:10.768 UTC a38 10241] doSSLRecvLoop conn 0
[06/03/15 22:28:10.768 UTC a39 10241] sslConnectionInit conn sslb3f8a8d0 SSL_do_handshake
connINIT SSL
[06/03/15 22:28:10.768 UTC a3a 10241] SSL= 0x2111;= 0x2001;ret= 0x1
[06/03/15 22:28:10.768 UTC a3b 10241] ret_type_string=unknown
[06/03/15 22:28:10.768 UTC a3c 10241] ret_desc_string=unknown
[06/03/15 22:28:10.768 UTC a3d 10241] SSL_state_string=SSLv3Hello B
[06/03/15 22:28:10.768 UTC a3e 10241] SSL= 0x2130;= 0x2001;ret= 0x1
[06/03/15 22:28:10.768 UTC a3f 10241] ret_type_string=unknown
[06/03/15 22:28:10.768 UTC a40 10241] ret_desc_string=unknown
[06/03/15 22:28:10.768 UTC a41 10241] SSL_state_string=SSLv3A
[06/03/15 22:28:10.768 UTC a42 10241] SSL= 0x2140;= 0x2001;ret= 0x1
[06/03/15 22:28:10.768 UTC a43 10241] ret_type_string=unknown
[06/03/15 22:28:10.768 UTC a44 10241] ret_desc_string=unknown
[06/03/15 22:28:10.768 UTC a45 10241] SSL_state_string=SSLv3A
---- [06/03/15 22:28:10.768 UTC a46 10241] SSL= 0x2160;= 0x2001;ret= 0x1
```

[06/03/15 22:28:10.768 UTC a47 10241] ret\_type\_string=unknown  
[06/03/15 22:28:10.768 UTC a48 10241] ret\_desc\_string=unknown  
[06/03/15 22:28:10.768 UTC a49 10241] SSL\_state\_string=SSLv3A  
[06/03/15 22:28:10.768 UTC a4a 10241] SSL= 0x2100;= 0x2001;ret= 0x1  
[06/03/15 22:28:10.768 UTC a4b 10241] ret\_type\_string=unknown  
[06/03/15 22:28:10.768 UTC a4c 10241] ret\_desc\_string=unknown  
[06/03/15 22:28:10.768 UTC a4d 10241] SSL\_state\_string=SSLv3  
[06/03/15 22:28:10.768 UTC a4e 10241] SSL= 0x2180;= 0x2002;ret= 0xffffffff  
[06/03/15 22:28:10.768 UTC a4f 10241] ret\_type\_string=unknown  
[06/03/15 22:28:10.768 UTC a50 10241] ret\_desc\_string=unknown  
[06/03/15 22:28:10.768 UTC a51 10241] SSL\_state\_string=SSLv3A  
[06/03/15 22:28:10.768 UTC a52 10241]--conn sslb3f8a8d0WANT\_READ  
[06/03/15 22:28:11.068 UTC a53 10241] doSSLRecvLoop conn 0  
[06/03/15 22:28:11.068 UTC a54 10241] **sslConnectionInit conn sslb3f8a8d0  
SSL\_do\_handshake connINIT SSL**  
[06/03/15 22:28:11.069 UTC a55 10241]conn sslb3f8a8d0authlist  
---- [06/03/15 22:28:11.070 conn sslb3f8a8d0 UTC a56 10241] Authlist  
[06/03/15 22:28:12.070 UTC a57 10241]AuthList  
[06/03/15 22:28:12.070 UTC a58 10241] SSL= 0x2182;= 0x4008;ret= 0x22e  
ret\_type\_string=fatal [06/03/15 22:28:12.070UTC a59 10241]  
[06/03/15 22:28:12.070 UTC a5a 10241] **ret\_desc\_string=certificate**  
[06/03/15 22:28:12.070 UTC a5b 10241] SSL\_state\_string=SSLv3C  
[06/03/15 22:28:12.070 UTC a5c 10241] SSL= 0x2182;= 0x2002;ret= 0xffffffff  
[06/03/15 22:28:12.070 UTC a5d 10241] ret\_type\_string=unknown  
[06/03/15 22:28:12.070 UTC a5e 10241] ret\_desc\_string=unknown  
[06/03/15 22:28:12.070 UTC a5f 10241] SSL\_state\_string=SSLv3C  
[06/03/15 22:28:12.070 UTC a60 10241]--**conn ssl b3f8a8d0 ssl\_err 1error=  
error:140890B2:SSL routines:SSL3\_GET\_CLIENT\_CERTIFICATE:no  
Nmsp conn ssl b3f8a8d0**[06/03/15 22:28:12.070 UTC a61 10241] **conn id 0**

NMSP\_APP\_MEAS\_NOTIFY\_MSG[06/06/15 17:47:53.600 UTC 4f2 10205]Locserver 0  
[06/06/15 17:56:34.305 UTC 4f3 10205]**NMSP0**  
---- [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 conn ssl590a6048 SSL\_do\_handshake  
connINIT SSL  
[06/06/15 17:56:34.306 UTC 4f6 10205] SSL= 0x6000;= 0x10;ret= 0x1  
[06/06/15 17:56:34.306 UTC 4f7 10205] ret\_type\_string=unknown  
[06/06/15 17:56:34.306 UTC 4f8 10205] ret\_desc\_string=unknown  
[06/06/15 17:56:34.307 UTC 4f9 10205] SSL\_state\_string=before/accept  
[06/06/15 17:56:34.307 UTC 4fa 10205] SSL= 0x6000;= 0x2001;ret= 0x1  
[06/06/15 17:56:34.307 UTC 4fb 10205] ret\_type\_string=unknown  
[06/06/15 17:56:34.307 UTC 4fc 10205] ret\_desc\_string=unknown  
[06/06/15 17:56:34.307 UTC 4fd 10205] SSL\_state\_string=before/accept  
[06/06/15 17:56:34.307 UTC 4fe 10205] SSL= 0x2111;= 0x2002;ret= 0xffffffff  
[06/06/15 17:56:34.307 UTC 4ff 10205] ret\_type\_string=unknown  
[06/06/15 17:56:34.307 UTC 500 10205] ret\_desc\_string=unknown  
[06/06/15 17:56:34.307 UTC 501 10205] SSL\_state\_string=SSLv3Hello B  
[06/06/15 17:56:34.307 UTC 502 10205]--conn ssl590a6048WANT\_READ  
[06/06/15 17:56:34.307 UTC 503 10205] sslConnectionInit()INIT SSL  
---- [06/06/15 17:56:34.309 UTC 504 10205] doSSLRecvLoop conn 0

[06/06/15 17:56:34.309 UTC 505 10205] **sslConnectionInit conn ssl590a6048**

**SSL\_do\_handshake connINIT SSL**

[06/06/15 17:56:34.309 UTC 506 10205] SSL= 0x2111;= 0x2001;ret= 0x1

[06/06/15 17:56:34.309 UTC 507 10205] ret\_type\_string=unknown

[06/06/15 17:56:34.309 UTC 508 10205] ret\_desc\_string=unknown

[06/06/15 17:56:34.309 UTC 509 10205] SSL\_state\_string=SSLv3Hello B

[06/06/15 17:56:34.309 UTC 50a 10205] SSL= 0x2130;= 0x2001;ret= 0x1

[06/06/15 17:56:34.309 UTC 50b 10205] ret\_type\_string=unknown

[06/06/15 17:56:34.309 UTC 50c 10205] ret\_desc\_string=unknown

[06/06/15 17:56:34.309 UTC 50d 10205] SSL\_state\_string=SSLv3A

[06/06/15 17:56:34.310 UTC 50e 10205] SSL= 0x2140;= 0x2001;ret= 0x1

[06/06/15 17:56:34.310 UTC 50f 10205] ret\_type\_string=unknown

[06/06/15 17:56:34.310 UTC 510 10205] ret\_desc\_string=unknown

[06/06/15 17:56:34.310 UTC 511 10205] SSL\_state\_string=SSLv3A

[06/06/15 17:56:34.310 UTC 512 10205] SSL= 0x2160;= 0x2001;ret= 0x1

[06/06/15 17:56:34.310 UTC 513 10205] ret\_type\_string=unknown

---- [06/06/15 17:56:34.310 UTC 514 10205] ret\_desc\_string=unknown

[06/06/15 17:56:34.310 UTC 515 10205] SSL\_state\_string=SSLv3A

[06/06/15 17:56:34.310 UTC 516 10205] SSL= 0x2100;= 0x2001;ret= 0x1

[06/06/15 17:56:34.310 UTC 517 10205] ret\_type\_string=unknown

[06/06/15 17:56:34.310 UTC 518 10205] ret\_desc\_string=unknown

[06/06/15 17:56:34.310 UTC 519 10205] SSL\_state\_string=SSLv3

[06/06/15 17:56:34.310 UTC 51a 10205] SSL= 0x2180;= 0x2002;ret= 0xffffffff

[06/06/15 17:56:34.310 UTC 51b 10205] ret\_type\_string=unknown

[06/06/15 17:56:34.310 UTC 51c 10205] ret\_desc\_string=unknown

[06/06/15 17:56:34.310 UTC 51d 10205] SSL\_state\_string=SSLv3A

[06/06/15 17:56:34.310 UTC 51e 10205]--conn ssl590a6048WANT\_READ

[06/06/15 17:56:34.610 UTC 51f 10205] doSSLRecvLoop conn 0

[06/06/15 17:56:34.610 UTC 520 10205] **sslConnectionInit conn ssl590a6048**

**SSL\_do\_handshake connINIT SSL**

[06/06/15 17:56:34.616 UTC 521 10205]conn ssl590a6048authlist

[06/06/15 17:56:34.622 UTC 522 10205] Authlistconn ssl 590a6048

[06/06/15 17:56:35.616 UTC 523 10205]AuthList

[06/06/15 17:56:35.616 UTC 524 10205] SSL= 0x2180;= 0x2001;ret= 0x1

[06/06/15 17:56:35.616 UTC 525 10205] ret\_type\_string=unknown

[06/06/15 17:56:35.616 UTC 526 10205] ret\_desc\_string=unknown

[06/06/15 17:56:35.616 UTC 527 10205] SSL\_state\_string=SSLv3A

[06/06/15 17:56:35.633 UTC 528 10205] SSL= 0x2190;= 0x2001;ret= 0x1

[06/06/15 17:56:35.633 UTC 529 10205] ret\_type\_string=unknown

[06/06/15 17:56:35.633 UTC 52a 10205] ret\_desc\_string=unknown

[06/06/15 17:56:35.633 UTC 52b 10205] SSL\_state\_string=SSLv3A

[06/06/15 17:56:35.635 UTC 52c 10205] SSL= 0x21a0;= 0x2001;ret= 0x1

[06/06/15 17:56:35.636 UTC 52d 10205] ret\_type\_string=unknown

[06/06/15 17:56:35.636 UTC 52e 10205] ret\_desc\_string=unknown

[06/06/15 17:56:35.636 UTC 52f 10205] SSL\_state\_string=SSLv3certificate verify A

[06/06/15 17:56:35.636 UTC 530 10205] SSL= 0x21c0;= 0x2001;ret= 0x1

[06/06/15 17:56:35.636 UTC 531 10205] ret\_type\_string=unknown

[06/06/15 17:56:35.636 UTC 532 10205] ret\_desc\_string=unknown

---- 533 10205] SSL\_state\_string=SSLv3[06/06/15 17:56:35.636 UTCA

[06/06/15 17:56:35.636 UTC 534 10205] SSL= 0x21d0;= 0x2001;ret= 0x1

[06/06/15 17:56:35.636 UTC 535 10205] ret\_type\_string=unknown

[06/06/15 17:56:35.636 UTC 536 10205] ret\_desc\_string=unknown

[06/06/15 17:56:35.636 UTC 537 10205] SSL\_state\_string=SSLv3spec A

[06/06/15 17:56:35.636 UTC 538 10205] SSL= 0x21e0;= 0x2001;ret= 0x1  
[06/06/15 17:56:35.636 UTC 539 10205] ret\_type\_string=unknown  
[06/06/15 17:56:35.636 UTC 53a 10205] ret\_desc\_string=unknown  
[06/06/15 17:56:35.636 UTC 53b 10205] SSL\_state\_string=SSLv3A  
[06/06/15 17:56:35.637 UTC 53c 10205] SSL= 0x2100;= 0x2001;ret= 0x1  
[06/06/15 17:56:35.637 UTC 53d 10205] ret\_type\_string=unknown  
[06/06/15 17:56:35.637 UTC 53e 10205] ret\_desc\_string=unknown  
[06/06/15 17:56:35.637 UTC 53f 10205] SSL\_state\_string=SSLv3  
[06/06/15 17:56:35.637 UTC 540 10205] SSL= 0x3;= 0x20;ret= 0x1  
[06/06/15 17:56:35.637 UTC 541 10205] ret\_type\_string=unknown  
[06/06/15 17:56:35.637 UTC 542 10205] ret\_desc\_string=unknown  
[06/06/15 17:56:35.637 UTC 543 10205] SSL\_state\_string=SSL  
[06/06/15 17:56:35.637 UTC 544 10205] SSL= 0x3;= 0x2002;ret= 0x1  
---- [06/06/15 17:56:35.637 UTC 545 10205] ret\_type\_string=unknown  
[06/06/15 17:56:35.637 UTC 546 10205] ret\_desc\_string=unknown  
[06/06/15 17:56:35.637 UTC 547 10205] SSL\_state\_string=SSL  
**[06/06/15 17:56:35.637 UTC 548 10205]conn sslSSL\_do\_handshake() 590a6048**  
**[06/06/15 17:56:35.637 UTC 549 10205] NMSP!conn 0**