

4G KPI رشؤم ضافخنا عاڤخأ فاشكتسأ عطق بېس ةدايز بېسب اهحالص او ASR mme-hss-user-unknown لاصتال

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ةمدقم

بېس ةدايز دن عثدحت يتل اهحالص او ةلكشم ل فاشكتسأ ةيفيك دن تسم ل اذه حضوي
يف للحتل ثودح دن "MME-hss" ل mme-hss-user-unknown يدل فورعمل ريغ لاصتال عاڤقنا
4G (ASR) (KPI) قافرا حاجن لدعمل يساسأل اءال رشؤم.

ةيساسأل تابلطتم

تابلطتم

ةيلال عيضاوم ل ا ب ةفرعم كيدل نوكت نأ Cisco ي صوت:

- 5000/5500 زارطلل ةزهجال ةفرعم
- StarOS

ةمدختسم تانوكم

ةني عم ةيدام تانوكم وجمارب تارادصا يل ع دن تسم ل اذه رصتقي ال.

ةصاخ ةيلم عم ةئي ب ي ف ةدوجوم ل ةزهجال نم دن تسم ل اذه ي ف ةدراول تامولعمل عاشن ا م ت
ت ناك اذ ا (يضا رتفا) حوسمم نيوكتب دن تسم ل اذه ي ف ةمدختسم ل ةزهجال عي مج ت ا ب
رمأ ي ال لم ت حمل ري ثا تلل كم ه ف نم دك ا ت ف ، لي غ ش ت ل دي ق ك ت ك ب ش

تارصتخم

ASR
KPI
ءاوه
AIA
ةحرق
يا يس
ما م
HSS
DPC
RFC
AVP

حاجنلا لدعم قافرا
يسيرلا اءال رشوم
ةقءاصملا تامولعم بلط
ةقءاصملا تامولعم ةباجا
تاردقلا لدابت بلط
تاردقلا لدابت ةباجا
لقننلا ةرادا ةدحو
نيلزنملا نيكرتشملا مءاخ
تانايبلا ةءلام ةقابط
تاقيلءتلا بلط
ةمسلا ةميق جوز

ةلكشملا

عطق ببس ةءايز تمت امك ،ءحاو MME في 4G ASR ضافخنا نع ءالاباب ةمدءالا رفوم ماق لاصتالا 'mme-hss-user-unknown'.

لمءالا تاسلءل يلماءالا دءالا لاصتالا عطق ببس فصبي "mme-hss-user-unknown(375)" فورعم ريء م MME HSS مدءتسم نال اءالاصتالا عطق مت يءالا

ةءيئن زمرك ةقءاصملا ل HSS ضفر نع ءالاباب هءاقتلا مت دءاولشف عءتت ماق DIAMETER_MISSING_AVP (5005) في AIA ةلاسري في

هبلع وءبء ام اءهو HSS نم "DIAMETER_MISSING_AVP (5005)" لءل رارمتساب MME تلصء ةلشافلا AIA ةلاسري:

```
INBOUND>>>> From diamproxy:52 oxy_conn_mgmt.c:3406 (Callid 4c0ea07a) 08:42:11:109
```

```
Eventid:81991(5)
```

```
Diameter message from 10.5.40.X:6000 to 10.0.231.Y:49417
```

```
Base Header Information:
```

```
Version: 0x01 (1)
Message Length: 0x000110 (272)
Command Flags: 0x40 (64) PXY
Command Code: 0x00013e (318) Authentication-Information-Answer
Application ID: 0x01000023 (16777251) 3GPP-S6a
Hop2Hop-ID: 0xad40545 (2914256197)
End2End-ID: 0x2cafadd5 (749710805)
```

```
AVP Information:
```

```
[M] Session-Id
```

```
Code: 0x0000107 (263) Session-Id
Flags: 0x40 (64) [M]
Length: 0x000069 (105)
Data: 0004-
```

```
diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNET;1276027002;2496613;5c204e8b-16502
```

```
[M] Auth-Session-State
```

```
Code: 0x0000115 (277) Auth-Session-State
Flags: 0x40 (64) [M]
Length: 0x00000c (12)
Data: NO_STATE_MAINTAINED (1)
```

```
[M] Origin-Host
```

```
Code: 0x0000108 (264) Origin-Host
Flags: 0x40 (64) [M]
Length: 0x000033 (51)
Data: hss101.epc.mnc0XY.mcc404.3gppnetwork.org
```

```
[M] Origin-Realm
```

```
Code: 0x0000128 (296) Origin-Realm
```

```

Flags:      0x40      (64) [M]
Length:     0x000029 (41)
Data: epc.mnc0XY.mcc404.3gppnetwork.org
[M] Result-Code
Code:       0x0000010c (268) Result-Code
Flags:      0x40      (64) [M]
Length:     0x00000c (12)
Data: DIAMETER_MISSING_AVP (5005) >> DIAMETER_MISSING_AVP(5005)received from HSS
[M] Failed-AVP
Code:       0x00000117 (279) Failed-AVP
Flags:      0x40      (64) [M]
Length:     0x000018 (24)
[V] [M] Visited-PLMN-Id
Code:       0x0000057f (1407) Visited-PLMN-Id
Flags:      0xc0      (192) [V] [M]
Length:     0x00000d (13)
Vendor-Id: 0x000028af (10415) 3GPP
Data: 0x00

```

اهحال صإو ءاطخأل فاشك ت سا

اهحال صإو ASR KPI طاطحن اءاطخأ فاشك ت سا ال اهم ادخت سا كنك مي تام ول عم مسقلا اذه رفوي mme-hss. مدخت س ملل فور عم ال ريغ لاصت ال عطق ب بس ءداي ز ب بس ب

تازي مل. لش فال و احاج نل ويران يس عم اهت نراق مو اه عي مجت مت ي تل ال "mon sub" ع بتت متي HSS. مداخ ال ال MME مداخ نم ءاوه ال ي ف ءدوق فم AVP ءم و ءدم ال

ي تل ال ءي و جل ال ءل اسر ال يه هذ. ي عرف ال ال mon ع بتت نم ءحجان ال ال AIA و AIR ءل اسر طاق ت ال متي HSS. ال ال MME نم اه ال اسر ا متي

Monday December 24 2018

<<<<OUTBOUND From diamproxy:49 diamproxy_rlf.c:553 (Callid 62adced4) 08:42:39:580

Eventid:81990(5)

Diameter message from 10.0.231.Y:48273 to 10.5.40.X:6000

Base Header Information:

```

Version:      0x01      (1)
Message Length: 0x0001c4 (452)
Command Flags: 0xc0      (192) REQ PXY
Command Code: 0x00013e (318) Authentication-Information-Request
Application ID: 0x01000023(16777251) 3GPP-S6a
Hop2Hop-ID:   0xadbf12a (2914906410)
End2End-ID:   0x60bd9382 (1623036802)

```

AVP Information:

[M]Session-Id

```

Code:       0x00000107 (263) Session-Id
Flags:      0x40      (64) [M]
Length:     0x000069 (105)
Data: 0001-

```

diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNET;1655557844;4204805;5c204ea7-30502

[M]Auth-Session-State

```

Code:       0x00000115 (277) Auth-Session-State
Flags:      0x40      (64) [M]
Length:     0x00000c (12)
Data: NO_STATE_MAINTAINED (1)

```

[M]Origin-Host

```

Code:       0x00000108 (264) Origin-Host
Flags:      0x40      (64) [M]
Length:     0x00004f (79)

```

Data: 0001-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG

[M]Origin-Realm

```

Code:      0x00000128 (296) Origin-Realm
Flags:     0x40      (64) [M]
Length:    0x00002d (45)
Data: MME.epc.mnc0XY.mcc404.3gppnetwork.org
[M]Destination-Realm
Code:      0x0000011b (283) Destination-Realm
Flags:     0x40      (64) [M]
Length:    0x000029 (41)
Data: epc.mnc0XY.mcc404.3gppnetwork.org
[M]User-Name
Code:      0x00000001 (1) User-Name
Flags:     0x40      (64) [M]
Length:    0x000017 (23)
Data: 404XY0000011111
[V]Supported-Features
Code:      0x00000274 (628) Supported-Features
Flags:     0x80      (128) [V]
Length:    0x000038 (56)
Vendor-Id: 0x000028af (10415) 3GPP
[M]Vendor-Id
Code:      0x0000010a (266) Vendor-Id
Flags:     0x40      (64) [M]
Length:    0x00000c (12)
Data: 10415
[V]Feature-List-ID
Code:      0x00000275 (629) Feature-List-ID
Flags:     0x80      (128) [V]
Length:    0x000010 (16)
Vendor-Id: 0x000028af (10415) 3GPP
Data: 1
[V]Feature-List
Code:      0x00000276 (630) Feature-List
Flags:     0x80      (128) [V]
Length:    0x000010 (16)
Vendor-Id: 0x000028af (10415) 3GPP
Data: 469763591
[V] [M]Requested-EUTRAN-Authentication-Info
Code:      0x00000580 (1408) Requested-EUTRAN-Authentication-Info
Flags:     0xc0      (192) [V] [M]
Length:    0x00002c (44)
Vendor-Id: 0x000028af (10415) 3GPP
[V] [M] Number-Of-Requested-Vectors
Code:      0x00000582 (1410) Number-Of-Requested-Vectors
Flags:     0xc0      (192) [V] [M]
Length:    0x000010 (16)
Vendor-Id: 0x000028af (10415) 3GPP
Data: 1
[V] [M] Immediate-Response-Preferred
Code:      0x00000584 (1412) Immediate-Response-Preferred
Flags:     0xc0      (192) [V] [M]
Length:    0x000010 (16)
Vendor-Id: 0x000028af (10415) 3GPP
Data: 1
[V] [M]Visited-PLMN-Id
Code:      0x0000057f (1407) Visited-PLMN-Id
Flags:     0xc0      (192) [V] [M]
Length:    0x00000f (15)
Vendor-Id: 0x000028af (10415) 3GPP
Data: 0x04f4YX

```

يہ MME لى HSS نم اهل اس را متي يت لى AIA ة لاسر

Eventid:81991(5)

Diameter message from 10.5.40.X:6000 to 10.0.231.Y:48273

Base Header Information:

Version: 0x01 (1)
Message Length: 0x000198 (408)
Command Flags: 0x40 (64) PXY
Command Code: 0x00013e (318) Authentication-Information-Answer
Application ID: 0x01000023(16777251) 3GPP-S6a
Hop2Hop-ID: 0xadbf12a (2914906410)
End2End-ID: 0x60bd9382 (1623036802)

AVP Information:

[M]Session-Id

Code: 0x00000107 (263) Session-Id
Flags: 0x40 (64) [M]
Length: 0x000069 (105)
Data: 0001-

diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNET;1655557844;4204805;5c204ea7-30502

[M]Auth-Session-State

Code: 0x00000115 (277) Auth-Session-State
Flags: 0x40 (64) [M]
Length: 0x00000c (12)
Data: NO_STATE_MAINTAINED (1)

[M]Origin-Realm

Code: 0x00000128 (296) Origin-Realm
Flags: 0x40 (64) [M]
Length: 0x000029 (41)
Data: epc.mnc0XY.mcc404.3gppnetwork.org

[M]Origin-Host

Code: 0x00000108 (264) Origin-Host
Flags: 0x40 (64) [M]
Length: 0x000033 (51)
Data: hss304.epc.mnc0XY.mcc404.3gppnetwork.org

[V] [M]Authentication-Info

Code: 0x00000585 (1413) Authentication-Info
Flags: 0xc0 (192) [V] [M]
Length: 0x0000a0 (160)
Vendor-Id: 0x000028af (10415) 3GPP

[V] [M] EUTRAN-Vector

Code: 0x00000586 (1414) EUTRAN-Vector
Flags: 0xc0 (192) [V] [M]
Length: 0x000094 (148)
Vendor-Id: 0x000028af (10415) 3GPP

[V] [M] Item-Number

Code: 0x0000058b (1419) Item-Number
Flags: 0xc0 (192) [V] [M]
Length: 0x000010 (16)
Vendor-Id: 0x000028af (10415) 3GPP
Data: 1

[V] [M] RAND

Code: 0x000005a7 (1447) RAND
Flags: 0xc0 (192) [V] [M]
Length: 0x00001c (28)
Vendor-Id: 0x000028af (10415) 3GPP
Data: 0xc8d8ecce3d684b36ee5aa7aaadaf2658

[V] [M] XRES

Code: 0x000005a8 (1448) XRES
Flags: 0xc0 (192) [V] [M]
Length: 0x000014 (20)
Vendor-Id: 0x000028af (10415) 3GPP
Data: 0x7a74729d5a811ac9

[V] [M] AUTN

Code: 0x000005a9 (1449) AUTN
Flags: 0xc0 (192) [V] [M]
Length: 0x00001c (28)

```
Vendor-Id: 0x000028af (10415) 3GPP
Data: 0xddc5adb739e6800088e9c8135c3099d4
[V] [M] KASME
Code: 0x000005aa (1450) KASME
Flags: 0xc0 (192) [V] [M]
Length: 0x00002c (44)
Vendor-Id: 0x000028af (10415) 3GPP
Data: 0xbf4c4f11f05d9c8c1e39d1066c6cdb92080760e40d0273b015cffffd4a20325fc
[M]Result-Code
Code: 0x0000010c (268) Result-Code
Flags: 0x40 (64) [M]
Length: 0x00000c (12)
Data: DIAMETER_SUCCESS (2001)
```

يعرف الـ mon عبتت نم ةلشاف الـ AIA و AIR لئاسر طاق الـ متي.

هـ HSS الـ MME نم اهـ لئاسر متي الـ ةلشاف الـ لـ:

```
<<<<OUTBOUND From diamproxy:52 diamproxy_rlf.c:553 (Callid 4c0ea07a) 08:42:11:089
Eventid:81990(5)
```

```
Diameter message from 10.0.231.Y:49417 to 10.5.40.X:6000
```

```
Base Header Information:
```

```
Version: 0x01 (1)
Message Length: 0x000150 (336)
Command Flags: 0xc0 (192) REQ PXY
Command Code: 0x00013e (318) Authentication-Information-Request
Application ID: 0x01000023 (16777251) 3GPP-S6a
Hop2Hop-ID: 0xad40545 (2914256197)
End2End-ID: 0x2cafadd5 (749710805)
```

```
AVP Information:
```

```
[M] Session-Id
```

```
Code: 0x00000107 (263) Session-Id
Flags: 0x40 (64) [M]
Length: 0x000069 (105)
Data: 0004-
```

```
diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNET;1276027002;2496613;5c204e8b-16502
```

```
[M] Auth-Session-State
```

```
Code: 0x00000115 (277) Auth-Session-State
Flags: 0x40 (64) [M]
Length: 0x00000c (12)
Data: NO_STATE_MAINTAINED (1)
```

```
[M] Origin-Host
```

```
Code: 0x00000108 (264) Origin-Host
Flags: 0x40 (64) [M]
Length: 0x00004f (79)
```

```
Data: 0004-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
```

```
[M] Origin-Realm
```

```
Code: 0x00000128 (296) Origin-Realm
Flags: 0x40 (64) [M]
Length: 0x00002d (45)
```

```
Data: MME.epc.mnc0XY.mcc404.3gppnetwork.org
```

```
[M] Destination-Realm
```

```
Code: 0x0000011b (283) Destination-Realm
Flags: 0x40 (64) [M]
Length: 0x000029 (41)
```

```
Data: epc.mnc0XY.mcc404.3gppnetwork.org
```

```
[M] User-Name
```

```
Code: 0x00000001 (1) User-Name
Flags: 0x40 (64) [M]
Length: 0x000017 (23)
```

Data: 404XY0000022222

بي: ه MME لى HSS نم اهالاسرا متي يتل AIA ةلاسرا

INBOUND>>>> From diamproxy:52 oxy_conn_mgmt.c:3406 (Callid 4c0ea07a) 08:42:11:109
Eventid:81991(5)

Diameter message from 10.5.40.X:6000 to 10.0.231.Y:49417

Base Header Information:

Version: 0x01 (1)
Message Length: 0x000110 (272)
Command Flags: 0x40 (64) PXY
Command Code: 0x00013e (318) Authentication-Information-Answer
Application ID: 0x01000023 (16777251) 3GPP-S6a
Hop2Hop-ID: 0xad40545 (2914256197)
End2End-ID: 0x2cafadd5 (749710805)

AVP Information:

[M] Session-Id

Code: 0x00000107 (263) Session-Id
Flags: 0x40 (64) [M]
Length: 0x000069 (105)
Data: 0004-

diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNET;1276027002;2496613;5c204e8b-16502

[M] Auth-Session-State

Code: 0x00000115 (277) Auth-Session-State
Flags: 0x40 (64) [M]
Length: 0x00000c (12)
Data: NO_STATE_MAINTAINED (1)

[M] Origin-Host

Code: 0x00000108 (264) Origin-Host
Flags: 0x40 (64) [M]
Length: 0x000033 (51)
Data: hss101.epc.mnc0XY.mcc404.3gppnetwork.org

[M] Origin-Realm

Code: 0x00000128 (296) Origin-Realm
Flags: 0x40 (64) [M]
Length: 0x000029 (41)
Data: epc.mnc0XY.mcc404.3gppnetwork.org

[M] Result-Code

Code: 0x0000010c (268) Result-Code
Flags: 0x40 (64) [M]
Length: 0x00000c (12)

Data: DIAMETER_MISSING_AVP (5005)

>>DIAMETER_MISSING_AVP(5005)received from

HSS

[M] Failed-AVP

Code: 0x00000117 (279) Failed-AVP
Flags: 0x40 (64) [M]
Length: 0x000018 (24)

[V] [M] Visited-PLMN-Id

Code: 0x0000057f (1407) Visited-PLMN-Id
Flags: 0xc0 (192) [V] [M]
Length: 0x00000d (13)
Vendor-Id: 0x000028af (10415) 3GPP
Data: 0x00

0004- "DIAMETER_MISSING_AVP (5005)" ل اطلال مالالتسا متي بي عرفل mon عبتتل اقفو
طوق 2 مقرر DPC ةق اطبب طبترمل، DIAMPROXY.

```
[local]SGSN-MME-03# show diameter peers full endpoint DRA1 | grep -i -E "CPU|LOCAL HOST"  
Monday December 24 11:34:47 IST 2018  
Local Hostname: 0001-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG  
CPU: 8/1 Task: diamproxy-49  
Local Hostname: 0002-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
```

```

CPU: 9/1 Task: diamproxy-50
Local Hostname: 0003-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
CPU: 3/1 Task: diamproxy-51
Local Hostname: 0004-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
CPU: 2/1 Task: diamproxy-52
Local Hostname: 0005-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
CPU: 4/1 Task: diamproxy-53
Local Hostname: 0006-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
CPU: 7/1 Task: diamproxy-54
Local Hostname: 0001-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
CPU: 8/1 Task: diamproxy-49
Local Hostname: 0002-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
CPU: 9/1 Task: diamproxy-50
Local Hostname: 0003-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
CPU: 3/1 Task: diamproxy-51
Local Hostname: 0004-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
CPU: 2/1 Task: diamproxy-52
Local Hostname: 0005-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
CPU: 4/1 Task: diamproxy-53
Local Hostname: 0006-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
CPU: 7/1 Task: diamproxy-54

```

[local]SGSN-MME-03#

يذلل SESSMGR لي ثمل 'mme-hss-user-unknown' لاصلت ال عطق ب بس ةدايز تمت هنأ ودبي
طقف 2 ةقاطب نرتقي

***** show task resources *****

cpu	facility	task	cputime	memory	files	sessions			
		instused	allc	usedalloc	used	allc	used	allc	S status
2/1	sessmgr	749	3.07%	100%	355.0M	900.0M	173500	881	12000 I good
2/1	sessmgr	762	2.86%	100%	353.3M	900.0M	171500	881	12000 I good

<additional outputs suppressed>

Disconnect reason for smgr-instance 749:

```

[local]SGSN-MME-03# show session disconnect-reasons smgr-instance 749|grep -i hss-us
Monday December 24 13:45:17 IST 2018
mme-hss-user-unknown 788 8.97597
[local]SGSN-MME-03# show session disconnect-reasons smgr-instance 749|grep -i hss-us
Monday December 24 13:45:19 IST 2018
mme-hss-user-unknown 790 8.99158

```

Disconnect reason for smgr-instance 762:

```

[local]SGSN-MME-03# show session disconnect-reasons smgr-instance 762|grep -i hss-us
Monday December 24 13:45:26 IST 2018
mme-hss-user-unknown 743 8.16125
[local]SGSN-MME-03# show session disconnect-reasons smgr-instance 762|grep -i hss-us
Monday December 24 13:45:31 IST 2018
mme-hss-user-unknown 744 8.16147
[local]SGSN-MME-03# show session disconnect-reasons smgr-instance 762|grep -i hss-us
Monday December 24 13:45:32 IST 2018
mme-hss-user-unknown 749 8.20732
[local]SGSN-MME-03# show session disconnect-reasons smgr-instance 762|grep -i hss-us
Monday December 24 13:45:34 IST 2018
mme-hss-user-unknown 750 8.20659

```

ةقاطب مادختساب HSS ري ظنل 'الب' ةم و ةدمال درومال تافرعم تناك، كلذ نم رثكأ ققحتل دنع
2 مقر DPC

[local]SGSN-MME-03# show diameter peers full peer-host dra01.epc.mnc0XY.mcc404.3gppnetwork.org

Context: s6a Endpoint: HSS_DRA01

Peer Hostname: dra01.epc.mnc0xy.mcc404.3gppnetwork.org
Local Hostname: 0004-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
Peer Realm: epc.mnc0XY.mcc404.3gppnetwork.org
Local Realm: MME.epc.mnc0XY.mcc404.3gppnetwork.org
Peer Address: 10.5.40.X:6000
State: OPEN [SCTP]
CPU: 2/1 Task: sessmgr-4
Messages Out/Queued: H0.L0/H0.L0
Supported Vendor IDs: None >> **Supported Vendor IDs: none instead of 10415**
Admin Status: Enable
DPR Disconnect: N/A
Peer Backoff Timer running:N/A

Peer Hostname: dra01.epc.mnc0xy.mcc404.3gppnetwork.org
Local Hostname: 0004-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
Peer Realm: epc.mnc0XY.mcc404.3gppnetwork.org
Local Realm: MME.epc.mnc0XY.mcc404.3gppnetwork.org
Peer Address: 10.5.40.X:6000
State: OPEN [SCTP]
CPU: 2/2 Task: sessmgr-8
Messages Out/Queued: H0.L0/H0.L0
Supported Vendor IDs: None >> **Supported Vendor IDs: none instead of 10415**
Admin Status: Enable
DPR Disconnect: N/A
Peer Backoff Timer running:N/A

Peer Hostname: dra01.epc.mnc0xy.mcc404.3gppnetwork.org
Local Hostname: 0004-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
Peer Realm: epc.mnc0XY.mcc404.3gppnetwork.org
Local Realm: MME.epc.mnc0XY.mcc404.3gppnetwork.org
Peer Address: 10.5.40.X:6000
State: OPEN [SCTP]
CPU: 2/0 Task: sessmgr-15
Messages Out/Queued: H0.L0/H0.L0
Supported Vendor IDs: None >> **Supported Vendor IDs: none instead of 10415**
Admin Status: Enable
DPR Disconnect: N/A
Peer Backoff Timer running:N/A

Peer Hostname: dra01.epc.mnc0xy.mcc404.3gppnetwork.org
Local Hostname: 0004-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
Peer Realm: epc.mnc0XY.mcc404.3gppnetwork.org
Local Realm: MME.epc.mnc0XY.mcc404.3gppnetwork.org
Peer Address: 10.5.40.X:6000
State: OPEN [SCTP]
CPU: 2/0 Task: sessmgr-20
Messages Out/Queued: H0.L0/H0.L0
Supported Vendor IDs: None >> **Supported Vendor IDs: none instead of 10415**
Admin Status: Enable
DPR Disconnect: N/A
Peer Backoff Timer running:N/A

Peer Hostname: dra01.epc.mnc0xy.mcc404.3gppnetwork.org
Local Hostname: 0004-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
Peer Realm: epc.mnc0XY.mcc404.3gppnetwork.org
Local Realm: MME.epc.mnc0XY.mcc404.3gppnetwork.org
Peer Address: 10.5.40.X:6000
State: OPEN [SCTP]

CPU: 2/1

Task: sessmgr-27

Messages Out/Queued: H0.L0/H0.L0

Supported Vendor IDs: None

>> **Supported Vendor IDs: none instead of**

10415

Admin Status: Enable

DPR Disconnect: N/A

Peer Backoff Timer running:N/A

الحل

2، مقرر DPC قاطب مادختساب اهيلع ضوافتلا متي ال AVP "موعدملا دروملا تافرع" نأ ودبي طقف قاطبلا كليل لشفلا عطلالم متي يلاتلابو.

3588 RFC راي عمل اقفو،

ل سرمل نأ بريظنلا مالعل CEA و CER لئاسري ف اذه مادختسا متي - vendor-id موعدملا AVP اذه AVP في ددحملا دروملا عطس اوب ددحملا دروملاب ةصاخلا AVPs (نم ةيعرف ةعومجم) معدي ةفرعمل رمألا اذه مادختسا نكمي، vendor-id موعدملا AVP عم كارتشالاب - دروملا فرعمل AVP بريظنلا لئالاسرا نكمي يتلا دروملاب ةصاخلا تامسلا.

رفوم يلع هذه ارجالا عطخ حارتقا متي، ليمعمل او بريظنلا رطقلا نيب تاردقلا لدابت لجأ نم ةمدخل.

مقرر ةيطايتحال DPC قاطب مادختساب 2 مقرر DPC قاطب ليحرت في لمعل عطخ لثمتت 10.

```
[local]SGSN-MME-03# card migrate from 2 to 10
```

```
Are you sure? [Yes|No]: yes
```

10. ةزهجال DPC قاطب مادختساب 2 DPC Card قاطب ليحرت ارجاب ةمدخل رفوم ماق.

مداخل بريظن عم 10 ةقاطب لل ةبسانم ةموعدملا (10415) دروملا تافرع تدب، ليحرتلا طاشن اضيأ قفاوم ASR ل (KPI) يساسألا اءال رشؤم نأ ودبي وينعمل.

```
[local]SGSN-MME-03# show diameter peers full peer-host dra01.epc.mnc0XY.mcc404.3gppnetwork.org
```

```
-----  
Context: s6a Endpoint: HSS_DRA01  
-----
```

```
Peer Hostname: dra01.epc.mnc0xy.mcc404.3gppnetwork.org
```

```
Local Hostname: 0004-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
```

```
Peer Realm: epc.mnc0XY.mcc404.3gppnetwork.org
```

```
Local Realm: MME.epc.mnc0XY.mcc404.3gppnetwork.org
```

```
Peer Address: 10.5.40.X:6000
```

```
State: OPEN [SCTP]
```

```
CPU: 10/1
```

```
Task: sessmgr-4
```

```
Messages Out/Queued: H0.L0/H0.L0
```

Supported Vendor IDs: 10415

>> **Supported Vendor IDs: 10415**

Admin Status: Enable

DPR Disconnect: N/A

Peer Backoff Timer running:N/A

```
-----  
Peer Hostname: dra01.epc.mnc0xy.mcc404.3gppnetwork.org
```

```
Local Hostname: 0004-diamproxy.MMEC001.MMEGI32000.MME.EPC.MNC0XY.MCC404.3GPPNETWORK.ORG
```

```
Peer Realm: epc.mnc0XY.mcc404.3gppnetwork.org
```

```
Local Realm: MME.epc.mnc0XY.mcc404.3gppnetwork.org
```

```
Peer Address: 10.5.40.X:6000
```

```
State: OPEN [SCTP]
```

```
CPU: 10/0
```

```
Task: sessmgr-15
```

```
Messages Out/Queued: H0.L0/H0.L0
```

Supported Vendor IDs: 10415

>> **Supported Vendor IDs: 10415**

Admin Status: Enable

ةمچرتل هذه ل و ح

ةلأل تاي نقتل ن م ة و مچ م ادخت ساب دن تسمل اذ ه Cisco ت مچرت
ملاعلاء ان ا عي مچ ي ف ن ي م دخت سمل ل معد ي و تح م مي دقت ل ة ي رش ب ل و
امك ة ق ي قد ن و ك ت ن ل ة ي ل ا ة مچرت ل ض ف ا ن ا ة ظ حال م ي ج ر ي . ة ص ا خ ل ا م ه ت غ ل ب
Cisco ي ل خ ت . ف ر ت ح م مچرت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ا ل ا ة مچرت ل ا ع م ل ا ح ل ا و ه
ي ل ا م ا د ع و ج ر ل ا ب ي ص و ت و ت ا مچرت ل ا ه ذ ه ة ق د ن ع ا ه ت ي ل و ئ س م Cisco
Systems (رف و ت م ط بار ل ا) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا دن تسمل ا