

"show sub summary" دادعأ حرش

تايوتحمل

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[VoLTE كرتشمل ةيضارتفال او ةصصخمل تالمال ددع](#)

[بقلل س فن نوم س اوقت ي نذل ن ييضارتفال او ن ي صصخمل ن ي ل مال باسح](#)

[ع ي م ج ل باق م ن ي ييضارتفال / ن ي صصخمل ن ي ل مال باسح ق ب ط ن ت ي ت ل ا ت ال ه و م ل ا ن م ج ي ز م ن ي ك ر ت ش م ل ا](#)

قمدقمل

اهن ع غالب إلامت ي ت ل ا ن ي ك ر ت ش م ل ا دادعأ ي ف ق اس ت ا مدع ه ن ا و د ب ي ا م د ن ت س م ل ا اذ ه ف ص ي "show subsummary" ن م ك ر ت ش م ل ا ع ا و ن ا ة ف ا ك د د ع ف ي ض ي ا م ة د ا ع . "show subsummary" ر م ا ل ا م ا د خ ت س ا ب ن م ل ك د و ج و ي د و ي ن ا ن ك م ي ، ك ل ذ ع م و . ي ل ع ا ل ا ي ف "ن ي ك ر ت ش م ل ا ي ل م ا ج ا" د د ع ي ل ا "show subsummary" ت ا د ا د ع ت ي ل ا ة ن ي ع م ت ا ل ه و م م ا د خ ت س ا و ن ي ك ر ت ش م ل ل ن ي ي ي ي ا ر ت ف ا ل ا و ن ي ص ص خ م ل ن ي ل م ا ج ا ل "ن ي ك ر ت ش م ل ا ع و م ج م" ل ع ق و ت م و ه ا م ق ب ا ط ت ا ل ي ت ل ا ة ف ل ت خ م ل ن ي ك ر ت ش م ل ا ع ا و ن ا

قلمأل ربع حرش

VoLTE كرتشمل ةيضارتفال او ةصصخمل تالمال ددع

ة ط ق ن م س ا ل ر ي ص ق ت و ص ص خ م ل م ا ج ا ن ه ، (VoLTE) ل ي و ط ل ا ي د م ل ا ر ب ع ت و ص ل ا ر و ط ت ة ل ا ج ي ف VoLTE ت ا م ل ا ك م ع ي م ج د ا د ع ا ل ا ر و ر و ض د ع ي ي ذ ل ا (IMS) IP ة د د ع ت م ل ا ط ا ئ س و ل ا م ا ط ن ق ي ب ط ت ك ر ت ش م ل ل ك ل "ن ي ك ر ت ش م ل ا ي ل م ا ج ا" ل ق ل ل د ج ا و ر ا د ق م ب "ن ي ي ع ر ف ل ا ن ي ب ت ت ك م ل ا ت ا د ا ي ز ر ا ه ظ ا" ل ك ن ا ة ق ي ق ح ط ا ق ت ل ا ن ك م ي ا ل ، ن ك ل و . ن ا ل م ا ج ه ي د ل ك ر ت ش م ل ل ك ن ا ن م م غ ر ل ا ي ل ع ، د ي ر ف P G W - د د ع ن ا ا ن ه ظ ح ا ل ، ل ا ث م ل ا ل ي ب س ي ل ع . C L I ل ة ي ع ر ف ل ا م ا س ق ا ل ا ي ف ن ا ل م ا ج ه ي د ل ك ر ت ش م ل ة ص ا خ ل ل و ص و ل ا ة ط ق ن ل ن ي ي ي ا ر ت ف ا ل ا و ن ي ص ص خ م ل ا I M S ي ل م ا ج ن م ل ك د د ع ل ث م ي P G W - G T P - I P v 6 م ت ي و . ا ه س ف ن A P N ل I M S ي ل م ا ج ن م ا ل ك ن ا ة ق ي ق ح ط ق ف ي ل م ا ج ا ل د د ع ل ر ه ظ ي ا م ن ي ب ، I M S ب ن ك ل و ، ل ع ف ل ا ب د ا ر ف ا ل ا ه ي ل م ا ج د ر س ي ي ذ ل ا ط ق ف P G W ل ه و م ل ا ة ط س ا و ب ا ض ي ا ك ل ذ ن م د ك ا ت ل ل ق ل ا ر ب ع A P N ل ك ل ة د ح ا و ة ر م ك ر ت ش م ل ا ب ا س ح ب ط ق ف م و ق ي ، ط ق ف P G W ر ي غ ر ا د ص ا ل ل ث م ي ل م ا ج ا ل .

ن م ض ت ت ي ت ل ا (PGW) م ز ح ل ا ت ا ن ا ي ب ة ك ب ش ة ر ا ب ع ت ا ع ا د ت س ا ع ا و ن ا ن م ق ل ث م ا ل ا ه ذ ه ذ خ ا م ت ي (eHRPD) ة ن س ح م ل ا ل د ع م ل ا ة ي ل ا ع م ز ح ل ا ت ا ن ا ي ب و L T E ن م ا ل ك

= ن ي ص ص خ م ل ا ن ي ل م ا ج ا ل ا ي ل م ا ج ا - (PGW-PMIP-IPv6 (eHRPD) + PGW-GTP-IPv6 (LTE) ن ا ظ ح ا ل ة ي ع ر ف ل ا ت ا د ح و ل ا ي ل م ا ج ا

```
[local]PGW> show sub summ apn ims
Sunday August 23 03:58:07 UTC 2015
```

Total Subscribers:	1851827		
Active:	1851827	Dormant:	0
hsgw-ipv4-ipv6:	0	pgw-pmip-ipv6:	285069
pgw-pmip-ipv4:	0	pgw-pmip-ipv4-ipv6:	0
pgw-gtp-ipv6:	1567307	pgw-gtp-ipv4:	0

```
[local]PGW> show sub pgw-only summ apn ims
Sunday August 23 03:58:08 UTC 2015
```

```
Total Subscribers      : 1851820
Total Home              : 1851816      Total Visitors          : 4
Total Roamers           : 0            Total S6b Assume Positive : 0
Total Bearers           : 1567308
Total Default Bearers   : 1566761      Total Dedicated Bearers  : 547

Total PDNs by RAT-Type
EUTRAN                  : 1566761      UTRAN                   : 0
GERAN                   : 0            WLAN                     : 0
OTHER                   : 285059

pmip-pdn-type-ipv4     : 0
pmip-pdn-type-ipv6     : 285059
pmip-pdn-type-ipv4-ipv6 : 0
gtp-pdn-type-ipv4     : 0
gtp-pdn-type-ipv6     : 1567308
```

لهؤم ي نودب "show sub" ي عرف ال عامتجالا لىلع اضيأ أدبملا اذه قبطن ي.

$$65 + 1567327 + 285074 + 235124 + 1653 = 3430145 - 547 \text{ (ةصصخملا تالومجالا نم)} = 3429598 \\ \approx 3429614$$

```
[local]PGW> show sub summ
Sunday August 23 03:58:07 UTC 2015
```

```
Total Subscribers:      3429614
Active:                  3429614      Dormant:                  0
LAPI Devices:           0
pdsn-simple-ipv4:       0            pdsn-simple-ipv6:       0
pdsn-mobile-ip:         0            ha-mobile-ipv6:         0
hsgw-ipv6:              0            hsgw-ipv4:              0
hsgw-ipv4-ipv6:        0            pgw-pmip-ipv6:         285074
pgw-pmip-ipv4:          65           pgw-pmip-ipv4-ipv6:    235124
pgw-gtp-ipv6:           1567327      pgw-gtp-ipv4:           1653
pgw-gtp-ipv4-ipv6:     1340902      sgw-gtp-ipv6:           0
```

نيذلا طوقف تنرتنإل ربع توصلال ي كرتشم لبق نم الهؤم نوكت ام دنع احوضو رثكأ اذهو نأ ةلجالا هذه يف ظحال .صصخملا لمجالا ربع 1 = QCI مادختساب توصلال تانايب نوررم ي ني لمجالا نم الك بسح ي هنا ثيح ، ني كرتشم لىل امجا فعض اب ي رقت لداعي PGW-GTP-IPv6 VOLTE يف كرتشم لك ل ني يضارتفال او ني صصخملا

```
[local]PGW> show sub summ apn ims qci 1
Sunday August 23 04:34:57 UTC 2015
```

```
Total Subscribers:      302
Active:                  302            Dormant:                  0
LAPI Devices:           0
pdsn-simple-ipv4:       0            pdsn-simple-ipv6:       0
pdsn-mobile-ip:         0            ha-mobile-ipv6:         0
hsgw-ipv6:              0            hsgw-ipv4:              0
hsgw-ipv4-ipv6:        0            pgw-pmip-ipv6:         0
pgw-pmip-ipv4:          0            pgw-pmip-ipv4-ipv6:    0
pgw-gtp-ipv6:           605           pgw-gtp-ipv4:           0
```

```
[local]PGW> show sub pgw-only summ apn ims qci 1
```

Sunday August 23 04:34:58 UTC 2015

Total Subscribers	: 302		
Total Home	: 302	Total Visitors	: 0
Total Roamers	: 0	Total S6b Assume Positive	: 0
Total Bearers	: 605		
Total Default Bearers	: 302	Total Dedicated Bearers	: 303

Total PDNs by RAT-Type			
EUTRAN	: 302	UTRAN	: 0
GERAN	: 0	WLAN	: 0
OTHER	: 0		

pmip-pdn-type-ipv4	: 0
pmip-pdn-type-ipv6	: 0
pmip-pdn-type-ipv4-ipv6	: 0
gtp-pdn-type-ipv4	: 0
gtp-pdn-type-ipv6	: 605

بقولل س فن نوم س ا ق ت ي ن ي ذ ل ا ن ي ض ا ر ت ف ا ل ا و ن ي ص ص خ م ل ن ي ل ا م ح ل ا ب ا س ح

د ح ا و ل ا ي ع د ت س م ل ا ل ث م ي . ب ل ل ط ل ا ب س ح ن ي ك ر ت ش م ل ا د ر س ب م و ق ت ا م د ن ع و ه ة ل ص ل ا و ذ ل ل ا ث م ل ا و ة ي م س ت ل ا ه ذ ه ن و م س ا ق ت ي ن ي ذ ل ا (2) ا ه ي ل م ا ح ل ك ج ر د ي ا م ن ي ب ، ت ا ر ق ب ل ا ه ذ ه ن م ي ا ي ل م ا ح ع ي م ج ط ق ف ة د ح ا و ة ر م ي ل ا م ج ا ل ل ق ح ل ا د ا د ز ي ، ا ن ث ا ل ا ه ذ ه ي ف و . ة د ح ي ل ع م ه ن م ل ك ب س ح ي / ة م ئ ا ق ل ا ي ف I M S ل م ا ح ف ر ع م و 5 = ي ض ا ر ت ف ا ل ا I M S ل م ا ح ف ر ع م ، ل ا ث م ل ا ا ذ ه ي ف . ه ي ل م ا ح ع ي م ج ل ي ث م ت ل ج ا ن م ل ا = 7 .

[local]PGW> show sub callid 0000d532
Sunday August 23 04:39:54 UTC 2015

vvvvvv	CALLID	MSID	USERNAME	IP	TIME-
IDLE					
-----	-----	-----	-----	-----	-----
YTCNAT	0000d532	320490143033837	0320490143033837@nai.epc.mnc490.mcc320.3gppnetwork.org		
	2600:5555:801a:1bee::d5:3201	00h38m02s			
YTCNAT	0000d532	320490143033837	0320490143033837@nai.epc.mnc490.mcc320.3gppnetwork.org		
	2600:5555:801a:1bee::d5:3201	00h38m02s			

[local]PGW> show sub summ callid 0000d532
Sunday August 23 04:39:56 UTC 2015

Total Subscribers:	1		
Active:	1	Dormant:	0
LAPI Devices:	0		
pdsn-simple-ipv4:	0	pdsn-simple-ipv6:	0
pdsn-mobile-ip:	0	ha-mobile-ipv6:	0
hsgw-ipv6:	0	hsgw-ipv4:	0
hsgw-ipv4-ipv6:	0	pgw-pmip-ipv6:	0
pgw-pmip-ipv4:	0	pgw-pmip-ipv4-ipv6:	0
pgw-gtp-ipv6:	2	pgw-gtp-ipv4:	0

[local]PGW> show sub pgw-only callid 0000d532
Sunday August 23 04:39:57 UTC 2015

vvvvvv	CALLID	IMSI/IMEI	v	v IP	APN	TIME-IDLE
-----	-----	-----	-----	-----	-----	-----
YECHDN	0000d532	3204900143033837	005	L 2600:5555:801a:1bee::d5:3201	ims	00h38m05s
YECHEN	0000d532	3204900143033837	007	L 2600:5555:801a:1bee::d5:3201	ims	00h38m05s

[local]PGW> show sub pgw-only summ callid 0000d532
Sunday August 23 04:39:59 UTC 2015

```

Total Subscribers      : 1
Total Home             : 1
Total Roamers          : 0
Total Bearers          : 2
Total Default Bearers : 1
Total Visitors         : 0
Total S6b Assume Positive : 0
Total Dedicated Bearers : 1

Total PDNs by RAT-Type
EUTRAN                : 1
GERAN                  : 0
OTHER                  : 0
UTRAN                  : 0
WLAN                   : 0

pmip-pdn-type-ipv4    : 0
pmip-pdn-type-ipv6    : 0
pmip-pdn-type-ipv4-ipv6 : 0
gtp-pdn-type-ipv4     : 0
gtp-pdn-type-ipv6     : 2

```

نېي ضارث فال/نېي ص ص خ م ل نېي ل م ا ح ل ا ل ع ق ب ط ن ت ي ت ل ا ت ا ل ه و م ل ن م ج ي م ن نېي ك ر ت ش م ل ع ي م ج ل ب ا ق م

م ت ي ع ب ا ت ت ي ف ة د د ع ت م ت ا ل ه و م م ا د خ ت س ا م ت ي ث ي ح و ه ا ك ا ب ر ا ر ث ك ا ل ا ل ا ث م ل ن و ك ي ا م ب ر ، ا ر ي خ ا و ل ه و م ة ف ا ض ا م ت ت ، ل ا ث م ل ا ا ذ ه ي ف . ا م و م ع ك ر ت ش م ل ن ع ا ل ض ف ل م ا ح ل ا ي و ت س م ي ل ع ه ق ي ب ط ت ا ذ ه ن ا ا م ب . (ة ي ن ا ث 86400) م و ي ن م ر ث ك ا ل ن ي ل ص ت م ل ن ي ق ي ض ل ا ن ي ك ر ت ش م ل ا ي ل ا ث ل ا ث ن و ك ت ن ا ع ق و ت م ل ن م ن و ك ي د ق ف ، V o L T E ي ك ر ت ش م ل ث م ي ي ذ ل ا 1 Q C I ا ض ي ا م د خ ت س ي ل ا ث م ل ا ؟ ة ع ا س 24 ن م ر ث ك ا ل م ل ك م ل ا ي ل ع ن ي د و ج و م ل ا ص ا خ ش ا ل ا د د ع ب ب س ب ة غ ر ا ف ل و ص و ل ا ة م ئ ا ق ت ا س ل ج ت س ي ل ة ج ي ت ن ل ا ن ا ، ي ن ع ي ا ذ ه و . ع ق و ت م و ه ا م ك ة ي ل م ع و ة ح ي ح ص ت س ي ل ة ج ي ت ن ل ا ن ك ل و ن م ا ل د ب . 0 ل م ت ح م ل ن م م ق ر ل ا ا ذ ه ن ا ث ي ح ، م و ي ن م ر ث ك ا ل ا ه ل ا ص ت ا م ت ي ت ل ا I M S V o L T E ل م ع I M S ن و ك ي ث ي ح و V o L T E ل م ع ة س ل ج م ه ي د ل ن ي ذ ل ا I M S ي ك ر ت ش م ع ي م ج ي ه ة ج ي ت ن ل ا ن و ك ت ، ك ل ذ ل و ا ل ا ن و ك ي ن ل) م و ي ن م ر ث ك ا ل ل ي غ ش ت ل ا د ي ق (V o L T E) ة ص ص خ م ل ا I M S ة س ل ج و ا ي ض ا ر ث ف ا ل ا (ع ئ ا ش ر ي غ) .

نېي ك ر ت ش م ل ل ج ا ت ن ا ل ن م ل ه و م ل ن ع ه ت م ي ق د ي ز ت ي ذ ل ا ل ص ت م ل ا ت ق و ل ا د ح ي ، ج ا ر خ ا ل ا ا ذ ه ي ف ل ه و م ل ن و د ب ج ا ت ن ا ل ا ب ة ن ر ا ق م ، ي ض ا ر ث ف ا ل ا I M S ل م ا ح ر ب ع م و ي ن م ر ث ك ا ل م ه ل ي ص و ت م ت ن ي ذ ل ا ت . ت ق و ب ل ا ص ت ا ل ا ر ب ت ع ي ا ل ي ذ ل ا .

```

[local]PGW> show sub summ apn ims qci 1 connected-time greater-than 86400
Sunday August 23 05:18:23 UTC 2015

```

```

Total Subscribers:      113
Active:                 113
Dormant:                0
LAPI Devices:          0
pdsn-simple-ipv4:      0
pdsn-simple-ipv6:      0
pdsn-mobile-ip:        0
ha-mobile-ipv6:        0
hsgw-ipv6:             0
hsgw-ipv4:             0
pgw-pmip-ipv6:         0
pgw-pmip-ipv4-ipv6:    0
pgw-gtp-ipv6:          226
pgw-gtp-ipv4:          0

```

```

[local]PGW> show sub summ apn ims qci 1
Sunday August 23 05:18:52 UTC 2015

```

```

Total Subscribers:      248
Active:                 248
Dormant:                0
LAPI Devices:          0
pdsn-simple-ipv4:      0
pdsn-simple-ipv6:      0
pdsn-mobile-ip:        0
ha-mobile-ipv6:        0
hsgw-ipv6:             0
hsgw-ipv4:             0
pgw-pmip-ipv6:         0
pgw-pmip-ipv4-ipv6:    0

```

pgw-pmip-ipv4: 0 pgw-pmip-ipv4-ipv6: 0
pgw-gtp-ipv6: 497 pgw-gtp-ipv4: 0

مويلا نم ربكألا لصتملا تقولا ريياعمب يف ني عم كرتشم ل لماك جارخاب لاثم يلي ام يف

قئاقد نوضغ يف عقي تنرتنإلا لىل ع APN ل يضارتفالا دادعإلا لصتالا تقو: **ةظحال**
ف يف يذلا وه يضارتفالا IMS ل ماح نأ نم دكأتلا كنكمي كذل، رمألا لاخدا دعب ةلئل
هنع جتن ي امم (20:01:23 س طسغأ 7 يف لصتم) موي نم رثكألا لصتالا ريياعمب
كرتشملا اذه نع غالبإلا

```
[local]PGW> show sub apn ims qci 1 connected-time greater-than 86400
```

```
Monday August 10 12:04:29 UTC 2015
```

```
vvvvvv CALLID MSID USERNAME IP TIME-  
IDLE
```

```
-----  
YTCNAT 00eff501 320490127668665 0320490127668665@nai.epc.mnc490.mcc320.3gppnetwork.org  
2600:5555:8001:9ccb::eff5:101 00h00m00s
```

```
[local]PGW> show sub pgw-only full imsi 320490127668665
```

```
Monday August 10 12:06:38 UTC 2015
```

```
Username: 0320490127668665@nai.epc.mnc490.mcc320.3gppnetwork.org
```

```
Subscriber Type : Home  
Status : Online/Active  
State : Connected  
Connect Time : Fri Aug 7 20:01:23 2015
```

```
Auto Delete : No
```

```
Idle time : 00h00m00s
```

```
MS TimeZone : -4:00 Daylight Saving Time: +1 hour
```

```
Access Type: gtp-pdn-type-ipv6 Network Type: IPv6  
Access Tech: eUTRAN pgw-service-name: PGW1  
Callid: 00eff501 IMSI: 320490127668665  
MSISDN: 16036860864  
Interface Type: S5S8GTP Low Access Priority: N/A  
Emergency Bearer Type: N/A  
IMS-media Bearer: No  
S6b Auth Status: Enabled  
Access Peer Profile: default  
Acct-session-id (C1): 42AE14C2013B7181  
ThreeGPP2-correlation-id (C2): 01C250B4 / 0t-G0QsS  
Card/Cpu: 1/1 Sessmgr Instance: 4
```

```
Bearer Type: Default Bearer-Id: 5
```

```
Bearer State: Active  
IP allocation type: N/A  
IPv6 allocation type: local pool  
IP address: 2600:5555:8001:9ccb::eff5:101
```

```
...  
S5/S8/S2b/S2a-APN: ims  
SGi-APN: ims
```

```
Bearer QoS:  
QCI: 5
```

```
...
```

```
Username: 0320490127668665@nai.epc.mnc490.mcc320.3gppnetwork.org
```

```
Subscriber Type : Home  
Status : Online/Active
```

State : Connected
Connect Time : Mon Aug 10 11:52:51 2015

Auto Delete : No

Idle time : 00h00m00s
MS TimeZone : -4:00 Daylight Saving Time: +1 hour

Access Type: gtp-pdn-type-ipv6 Network Type: IPv6
Access Tech: eUTRAN pgw-service-name: PGW1
Callid: 00eff501 IMSI: 320490127668665
MSISDN: 16036860864
Interface Type: S5S8GTP Low Access Priority: N/A
Emergency Bearer Type: N/A
IMS-media Bearer: Yes
S6b Auth Status: Enabled
Access Peer Profile: default
Acct-session-id (C1): 42AE14C2013E4AF6
ThreeGPP2-correlation-id (C2): 01C250B4 / 0t-G0QsS
Card/Cpu: 1/1 Sessmgr Instance: 4

Bearer Type: Dedicated Bearer-Id: 7
Bearer State: Active
IP allocation type: N/A
IPv6 allocation type: local pool
IP address: 2600:5555:8001:9ccb::eff5:101

...

S5/S8/S2b/S2a-APN: ims
SGi-APN: ims

Bearer QoS:
QCI: 1

Username: 0320490127668665@nai.epc.mnc490.mcc320.3gppnetwork.org

Subscriber Type : Home
Status : Online/Active
State : Connected
Connect Time : Mon Aug 10 11:51:24 2015

Auto Delete : No

Idle time : 00h15m14s
MS TimeZone : -4:00 Daylight Saving Time: +1 hour

Access Type: gtp-pdn-type-ipv4-ipv6 Network Type: IPV4+IPV6
Access Tech: eUTRAN pgw-service-name: PGW1
Callid: 00f2c514 IMSI: 320490127668665
MSISDN: 15556860864
Interface Type: S5S8GTP Low Access Priority: N/A
Emergency Bearer Type: N/A
IMS-media Bearer: No
S6b Auth Status: Enabled
Access Peer Profile: default
Acct-session-id (C1): 42AE14C2013E4AC5
ThreeGPP2-correlation-id (C2): 01C520A2 / 0umaajjh
Card/Cpu: 1/1 Sessmgr Instance: 4

Bearer Type: Default Bearer-Id: 6
Bearer State: Active
IP allocation type: local pool
IPv6 allocation type: local pool
IP address: 2600:5555:b027:b408::f2c5:1401, 100.84.110.26

...

S5/S8/S2b/S2a-APN: internet

SGi-APN: internet

Bearer QoS:

QCI: 8

ARP: 0x069

Total subscribers matching specified criteria: 3

ةمچرتل هذه ل و ح

ةلأل تاي نقتل ن م ة و مچ م ادخت ساب دن تسم ل ا ذه Cisco ت مچرت
م ل ا ل ا ل ا ن ا ع مچ م ف ن م دخت س م ل م عد و ت م م م دقت ل ة يرش ب ل و
م ك ة ق ي ق د ن و ك ت ن ل ة ل ا ة مچرت ل ض ف ا ن ا ة ظ ح ا ل م ي ج ر ي . ة ص ا خ ل م ه ت غ ل ب
Cisco ي ل خ ت . ف ر ت م 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 م ل ا ح ل ا و ه
ل ا ل ا م ا د ا د و ج ر ل ا ب ي ص و ت و ت ا مچرت ل ا هذه ة ق د ن ع ا ه ت ي ل و ئ س م Cisco
Systems (ر ف و ت م ط ب ا ر ل ا) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا دن ت س م ل ا