



- ذفانملا عيجم ربع ددع يلامج| نع ةرابع (نوكملا) يساسألا ذفنملا نمض تادادعلا نوكت - ايلاح ةطشنلا
- بجي الو ةلص تاذ ريغ (يساسألا ذفنملا جوز كلذ ي ف امب) ىرخألا ذفانملا عيجم تادادع - اهمادختسا
- ASR 5500:
- ددع يلامج| نع ةرابع يطايتحالا اهعضوو يسيئرلا ذفنملا تحت ةدوجوملا تادادعلا نوكت - اليلق ةفلتخم نكلو ةلثامم ةميق نع امهاتلك غلبتس) ايلاح ةطشنلا ذفانملا عيجم ربع (دحاو اما مدختسا -
- 0s يه ىرخألا ذفانملا عيجم تادادع -

تادادع نع طقف غالبإلا متي ، تاطابتارالا عيجمت ةعومجملة ةعباتلا ريغ ذفانملا ةبسنلاب ودحو ووتسم ىلع جارخال ي ف ىتح ةيطايتحالا ذفانملا جاردا متي مل . ةطشنلا ذفانملا (طق اهجاردا متي ملو) ةيزكرملا ةجلالعلما .

## جارخال لاثم

ىلع ةزهجالا تافصاوم ىلإ دننسي وهو . ةقباسلا تاريستفلا معد وه جارخال اذه نم ضرغللا يلاتلا وحنلا :

**ASR 5000:** لAG 21/37 ريغ ذفانمو 27/28 و 23/26 و 19/20 لAG ذفانم

**ASR 5500:** 16 و 15 و 11 و 10 و 6 و 16 و 15 و 11 و 5 (LAG) تاطابتارالا عيجمت ةعومجملة ذفانم : 5/28 و 6/28 و 5/29 و 6/29 (LAG) تاطابتارالا عيجمت ةعومجملة ذفانملا ريغ ذفانملا و

LAG ذفانملا تادادعلا يه ةلاقملا هذه ةرؤب : ريكنذتلا .

## ASR 5000

```
***** show port utilization *****
Wednesday May 28 12:28:04 UTC 2014
----- Average Port Utilization (in mbps) -----
Port   Type
-----
19/1   10G Ethernet      514   572   503   534   490   517
20/1   10G Ethernet      0      0      0      0      0      0

21/1   1000 Ethernet      0      0      0      0      0      0

23/1   10G Ethernet      460   529   448   516   431   510
26/1   10G Ethernet      0      0      0      0      0      0
27/1   10G Ethernet      674   532   634   519   619   499
28/1   10G Ethernet      0      0      0      0      0      0
```

```
***** show port table all *****
Wednesday May 28 12:28:03 UTC 2014
Port  Role Type           Admin  Oper Link State  Pair  Redundant
-----
19/1  Srvc 10G Ethernet      Enabled -   Up   -          None  LA+ 19/1
      Untagged          Enabled Up   -   Active -        -
      Tagged VLAN 2423  Enabled Up   -   Active -        -
      Tagged VLAN 2424  Enabled Up   -   Active -        -
```

```

Tagged VLAN 2401      Enabled Up - Active - -
Tagged VLAN 2009      Enabled Up - Active - -
Tagged VLAN 2010      Enabled Up - Active - -
Tagged VLAN 2007      Enabled Up - Active - -
Tagged VLAN 2498      Enabled Up - Active - -
Tagged VLAN 2499      Enabled Up - Active - -
20/1  Srvc 10G Ethernet Enabled Up Up Active None LA~ 19/1

21/1  Srvc 1000 Ethernet Enabled - Up - 37/1 L2 Link
      Untagged          Enabled Down - Active - -
      Tagged VLAN 30     Enabled Up - Active - -

23/1  Srvc 10G Ethernet Enabled Up Up Active None LA+ 19/1
26/1  Srvc 10G Ethernet Enabled Up Up Active None LA~ 19/1

27/1  Srvc 10G Ethernet Enabled Up Up Active None LA+ 19/1
28/1  Srvc 10G Ethernet Enabled Up Up Active None LA~ 19/1

37/1  Srvc 1000 Ethernet Enabled - Up - 21/1 L2 Link
      Untagged          Enabled Down - Standby - -
      Tagged VLAN 30     Enabled Down - Standby - -

```

\*\*\*\*\* show port npu counters \*\*\*\*\*

```

Counters for port 19/1
Counter          Rx Frames      Rx Bytes      Tx Frames      Tx Bytes
-----
Unicast          74783944546254086740066587874 69151428800023783215178712378

```

```

Counters for port 20/1
Counter          Rx Frames      Rx Bytes      Tx Frames      Tx Bytes

```

```

Counters for port 23/1
Counter          Rx Frames      Rx Bytes      Tx Frames      Tx Bytes

```

```

Counters for port 26/1
Counter          Rx Frames      Rx Bytes      Tx Frames      Tx Bytes

```

```

Counters for port 27/1
Counter          Rx Frames      Rx Bytes      Tx Frames      Tx Bytes

```

```

Counters for port 28/1
Counter          Rx Frames      Rx Bytes      Tx Frames      Tx Bytes

```

هـيـقـلـا هـذـه نـوـكـتـو طـقـف ةـطـشـنـلـا ذـفـانـمـلـا دـرس مـتـي ، رـيـخ اـتـلـا مـدـع ةـلـاـح يـف اـمـنـيـب  
ةـلـص تـاـذ :

```

Counters for port 21/1
Counter          Rx Frames      Rx Bytes      Tx Frames      Tx Bytes

```

## ASR 5500

```

[local]PGW> show port utilization table
Sunday June 01 03:57:59 UTC 2014

```

```

----- Average Port Utilization (in mbps) -----
Port  Type          Current          5min          15min
      Rx           Tx           Rx           Tx           Rx           Tx

```

```

-----
5/10 10G Ethernet      1919   1973   1982   2066   2025   2094
5/11 10G Ethernet      1911   1751   1976   1828   2023   1883
5/15 10G Ethernet      1910   2064   1975   2064   2004   2130
5/16 10G Ethernet      1933   1943   1987   2012   2014   2019

5/28 10G Ethernet      9       69      9       70      9       71
5/29 10G Ethernet      0       0        0        0        0        0

6/10 10G Ethernet      0       0        0        0        0        0
6/11 10G Ethernet      0       0        0        0        0        0
6/15 10G Ethernet      0       0        0        0        0        0
6/16 10G Ethernet      0       0        0        0        0        0

6/28 10G Ethernet      0       0        0        0        0        0
6/29 10G Ethernet      1       0        1       10       1       11

```

```

[local]PGW> show port table all
Sunday June 01 03:58:48 UTC 2014

```

```

Port Role Type Admin Oper Link State Pair Redundant
-----
5/10 Srvc 10G Ethernet Enabled - Up - 6/10 LA+ 5/10
      Untagged Enabled Up - Active - -
      Tagged VLAN 2011 Enabled Up - Active - -
      Tagged VLAN 2405 Enabled Up - Active - -
      Tagged VLAN 2015 Enabled Up - Active - -
      Tagged VLAN 2427 Enabled Up - Active - -
      Tagged VLAN 2407 Enabled Up - Active - -
      Tagged VLAN 2455 Enabled Up - Active - -
5/11 Srvc 10G Ethernet Enabled Up Up Active 6/11 LA+ 5/10
5/15 Srvc 10G Ethernet Enabled Up Up Active 6/15 LA+ 5/10
5/16 Srvc 10G Ethernet Enabled Up Up Active 6/16 LA+ 5/10

5/28 Srvc 10G Ethernet Enabled - Up - 6/28 L2 Link
      Untagged Enabled Up - Active - -
      Tagged VLAN 2400 Enabled Up - Active - -
5/29 Srvc 10G Ethernet Enabled - Up - 6/29 L2 Link
      Untagged Enabled Down - Standby - -
      Tagged VLAN 31 Enabled Down - Standby - -

6/10 Srvc 10G Ethernet Enabled - Up - 5/10 LA~ 5/10
      Untagged Enabled Up - Active - -
      Tagged VLAN 2011 Enabled Up - Active - -
      Tagged VLAN 2405 Enabled Up - Active - -
      Tagged VLAN 2015 Enabled Up - Active - -
      Tagged VLAN 2427 Enabled Up - Active - -
      Tagged VLAN 2407 Enabled Up - Active - -
      Tagged VLAN 2455 Enabled Up - Active - -
6/11 Srvc 10G Ethernet Enabled Up Up Active 5/11 LA~ 5/10
6/15 Srvc 10G Ethernet Enabled Up Up Active 5/15 LA~ 5/10
6/16 Srvc 10G Ethernet Enabled Up Up Active 5/16 LA~ 5/10

6/28 Srvc 10G Ethernet Enabled - Up - 5/28 L2 Link
      Untagged Enabled Down - Standby - -
      Tagged VLAN 2400 Enabled Down - Standby - -
6/29 Srvc 10G Ethernet Enabled - Up - 5/29 L2 Link
      Untagged Enabled Up - Active - -
      Tagged VLAN 31 Enabled Up - Active - -

```

```

[local]PGW> show port npu counters

```

Counters for port 5/10

Counter	Rx Frames	Rx Bytes	Tx Frames	Tx Bytes
-----	-----	-----	-----	-----
Unicast	936150697918	636869996072149	9369282682521055230987905964	

Counters for port 5/11

Counter	Rx Frames	Rx Bytes	Tx Frames	Tx Bytes
-----	-----	-----	-----	-----
Unicast	0	0	0	0

Counters for port 5/15

Counter	Rx Frames	Rx Bytes	Tx Frames	Tx Bytes
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Counters for port 5/16

Counter	Rx Frames	Rx Bytes	Tx Frames	Tx Bytes
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Counters for port 6/10

Counter	Rx Frames	Rx Bytes	Tx Frames	Tx Bytes
-----	-----	-----	-----	-----
Unicast	936156167721	636873912574349	9369336716261055237102737046	

Counters for port 6/11

Counter	Rx Frames	Rx Bytes	Tx Frames	Tx Bytes
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Counters for port 6/15

Counter	Rx Frames	Rx Bytes	Tx Frames	Tx Bytes
---------	-----------	----------	-----------	----------

Counters for port 6/16

Counter	Rx Frames	Rx Bytes	Tx Frames	Tx Bytes
---------	-----------	----------	-----------	----------

رمال اذه ةطساوب طقف ةطاشنلا ذفانملا درس متي، ىرخأ ةرم:

Counters for port 5/28

Counter	Rx Frames	Rx Bytes	Tx Frames	Tx Bytes
---------	-----------	----------	-----------	----------

Counters for port 6/29

Counter	Rx Frames	Rx Bytes	Tx Frames	Tx Bytes
---------	-----------	----------	-----------	----------

ةمچرتل هذه لوج

ةللأل تاي نقتل نمة ومة مادختساب دن تسمل اذة Cisco تمةرت  
ملاعلاء انء مء مء نء مء دختسمل معد و تمة مء دقتل ةر شبل او  
امك ةق قء نوك ت نل ةللأل ةمچرت لصف أن ةظحال مء ءرء. ةصاأل مء تءل ب  
Cisco ةللخت. فرتمة مچرت مء مء دقء ةللأل ةل فارتحال ةمچرتل عم لاعل او  
ىل إأمءءاد ءوچرلاب ةصوء و تامةرتل هذه ةقء نء اهءل وئس م Cisco  
Systems (رفوتم طبارل) ةلصلأل ةزءل ءن إلل دن تسمل