

# 解释show port的CLIs输出在ASR 5000和ASR 5500的滞后的

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()“show port npu”“show port”unintuitivenpuStarOS v18

/限制，报告端口npu计数器对所有端口的堆集作用被限制在滞后组中和不单个端口级别的。这不适用于端口继续报告正如所料的数据链接计数器。

由于滞后的实施要求滞后的所有端口是活跃的，“show port利用率表”报告所有滞后端口的利用率他们是否分配(激活)或同意(待机)为两ASR 5000/5500。Sidenote：通常同意的端口不显示流量，但是有同意的端口Rx和Tx方向也是传输流量的实例(不是主题此条款，但是指出它)。

同时非滞后端口，有什么之间的一差异为ASR 5000报告与ASR 5500。ASR 5000不报告备用端口的利用率，而ASR 5500报告备用端口的利用率(即使那些端口可操作地是下来)

一致与什么被提及了，“show port表”滞后的报告所有端口作为可操作地，比较的非滞后端口对仅激活的端口可操作地的地方。

对于“show port npu计数器”，所有滞后端口是列出的，但是下列是真的：

- ASR 5000：

- 在重要的(已配置的)端口下的计数器是在所有当前活跃的端口间的总数
- 其他端口的计数器(包括主端口的对)不是相关的，并且不应该使用

- ASR 5500：

- 在主端口和其待机下的计数器是在所有当前活跃的端口(他们间的总数两个将报告一个相似，但是有些不同的值-请使用二者之一一个)
- 其他端口的计数器是0s

对于NON-LAG端口，激活的端口的仅计数器报告。备用端口不是均等列出的在输出中在NPU级别(和从未是)。

## 示例输出

此处输出是支持上一个说明。它根据硬件配置如下：

**ASR 5000**：滞后端口19/20，23/26，27/28和非滞后端口21/37

**ASR 5500**：滞后端口5 10，11，15，16;6 10，11，15，16和非滞后端口5/28 & 6/28，5/29 & 6/29

提醒：此条款焦点是滞后端口的计数器。

## ASR 5000

```
***** show port utilization *****
Wednesday May 28 12:28:04 UTC 2014

----- Average Port Utilization (in mbps) -----
Port   Type
-----
Current          5min          15min
Rx      Tx      Rx      Tx      Rx      Tx
-----
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
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Counters for port 23/1

Counter	Rx Frames	Rx Bytes	Tx Frames	Tx Bytes
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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
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NON-LAG

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

Port	Type	----- Average Port Utilization (in mbps) -----					
		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

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

再次，此命令列出仅激活的端口：

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