



## 在Brocade交换机端口上触发规则- defall\_target\_portSRX\_90

[https://kb-cn-stage.netapp.com/on-prem/Switches/Broadcom-KBs/Rule-\\_defALL\\_TARGET\\_PORTSRX...](https://kb-cn-stage.netapp.com/on-prem/Switches/Broadcom-KBs/Rule-_defALL_TARGET_PORTSRX...)

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### 适用场景

Brocade 交换机上的端口

### 问题描述

- Rx利用率达到高且defALL\_TARGET\_PORTSRX\_90 在中触发规则 errdump。
- Sfpshow 输出报告 [建议范围内的Tx和Rx功率](#)。

```
=====  
Slot 3/Port 27:  
=====
```

```
RX Power:      -0.8      dBm (833.4uW)  
TX Power:      -0.6      dBm (877.8 uW)
```

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- Porterrshow 不会报告任何错误、因为 在上传日志之前已清除统计信息。

**/fabos/cliexec/porterrshow :**

```
frames      enc      crc      crc      too      too      bad      enc      disc      link      loss
tx          rx       in       err      g_eof    shrt     long    eof      out      c3       fail     sync
139:      3.6g    52.7g    0        0        0        0        0        0        0        0        0
```

```
phy_stats_clear_ts 03-04-2024 IST Mon 05:02:54      Timestamp of phy_port
stats clear
lgc_stats_clear_ts 03-04-2024 IST Mon 05:02:54      Timestamp of lgc_port
stats clear
fec_corrected_rate 0                      FEC Corrected blocks per second
```

- Errdump 日志报告规则-defALL\_TARGET\_PORTSRX\_90 正在触发。

```
2024/03/04-11:21:48 (IST), [MAPS-1003], 58286, SLOT 1 | FID 128 | PORT 3/27,
WARNING, Switch, slot3 port27, F-Port 3/27, Condition=ALL_TARGET_PORTS(RX/hour>90),
Current Value:[RX, 96.12 %], RuleName=defALL_TARGET_PORTSRX_90, Dashboard
Category=Fabric Performance Impact, Quiet Time=None.
2024/03/04-12:21:48 (IST), [MAPS-1003], 58335, SLOT 1 | FID 128 | PORT 3/27,
WARNING, Switch, slot3 port27, F-Port 3/27, Condition=ALL_TARGET_PORTS(RX/hour>90),
Current Value:[RX, 94.56 %], RuleName=defALL_TARGET_PORTSRX_90, Dashboard
Category=Fabric Performance Impact, Quiet Time=None.
```

- MAPS (网络结构性能影响)输出中，报告 受影响端口上的利用率 非常高(>90%)。

3.2 Rules Affecting Health:

=====

Category(Violation Count)	RepeatCount	Rule Name	Execution Time	Object	Triggered Value(Units)
1		defALL_TARGET_PORTSRX_90	03/04/24 12:21:48	F-Port 3/27	94.56 %
1		defALL_TARGET_PORTSRX_90	03/04/24 11:21:48	F-Port 3/27	96.12 %
1		defALL_TARGET_PORTSRX_90	03/04/24 10:21:48	F-Port 3/27	90.02 %

```

|10      |defALL_TARGET_PORTSRX_90 |03/02/24 19:25:46|F-Port 3/27      |93.11
%        |
|        |                          |                  |F-Port 3/27      |96.33
%        |
|        |                          |                  |F-Port 3/27      |96.04
%        |
|        |                          |                  |F-Port 3/27      |96.66
%        |
|        |                          |                  |F-Port 3/27      |94.65
%
|8      |defALL_TARGET_PORTSRX_90 |03/01/24 18:36:46|F-Port 3/27      |94.07
%        |
|        |                          |                  |F-Port 3/27      |94.23
%        |
|        |                          |                  |F-Port 3/27      |94.46
%        |
|        |                          |                  |F-Port 3/27      |90.27
%        |
|        |                          |                  |F-Port 3/27      |91.51
%
|4      |defALL_TARGET_PORTSRX_90 |02/29/24 22:14:44|F-Port 3/27      |90.04
%        |
|        |                          |                  |F-Port 3/27      |90.49
%        |
|        |                          |                  |F-Port 3/27      |90.28
%        |
|        |                          |                  |F-Port 3/27      |90.20
%

```

- `portstatsshow` 输出显示的副计"值非常高`tim_txcrd_z`、这再次清楚地表明端口已过度利用。
- [Brocade交换机上的portstatshow命令输出中的"Tim txcrd\\_z"是什么意思？](#) `portstatshow`命令输出中的"`tim_xcrd_z`" (Time TX Credit Zero (2.5U ticks)) 参数告诉我们、由于传输BB (缓冲区到缓冲区)信用值为零、端口无法传输帧的次数。

```
portstatsshow 139
```

```

stat_wtx      867666061134      4-byte words transmitted
stat_wrx      26321977934672    4-byte words received
stat_ftx      3698664129        Frames transmitted
stat_frx      52747160766       Frames received

```

stat_c2_frx	0	Class 2 frames received
stat_c3_frx	1209135573	Class 3 frames received
stat_lc_rx	0	Link control frames received
stat_mc_rx	0	Multicast frames received
stat_mc_to	0	Multicast timeouts
stat_mc_tx	0	Multicast frames transmitted
<b>tim_txcrd_z</b>	<b>40540643</b>	<b>Time TX Credit Zero (2.5Us ticks)</b>