关于使用SN1100Q HBA卡，系统下出现FC timeout日志打印的问题

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组网及说明

DL580 Gen9
HBA：
SN1100Q
DEVDRVVR: 8.07.00.16.06.7-k
DEVFWVR: 08.02.00

用户反馈两台DL580 Gen9服务器的系统下多次记录到 FC remote port time out的记录，担心存储链路稳定性存在问题，需要明确其原因；

1、查看两台服务器的硬件日志，硬件日志中无异常信息打印，各硬件状态正常；

2、关于系统下打印，两台服务器的系统日志均出现相同时间的打印记录，分别在9月13日、18日以及26日，如下：

Sep 13 16:34:17 a10-db2 kernel: rport-3:0-0: blocked FC remote port time out: removing rport

Sep 13 16:34:17 a10-db2 kernel: rport-2:0-1: blocked FC remote port time out: removing rport

Sep 18 10:18:27 a10-db2 kernel: rport-2:0-9: blocked FC remote port time out: removing rport

Sep 18 10:18:27 a10-db2 kernel: rport-3:0-11: blocked FC remote port time out: removing rport

Sep 26 10:34:41 a10-db2 kernel: rport-3:0-13: blocked FC remote port time out: removing rport

Sep 26 10:34:41 a10-db2 kernel: rport-2:0-11: blocked FC remote port time out: removing rport

3、经确认，Redhat官网对此信息有详细解释：此打印信息和远程端口（rport）登录登出HBA，导致首先创建然后删除rport跟踪资源。当rport数据结构被回收时，打印此信息，并且此信息可以忽略不关注，详细信息见如下Redhat官网链接：

https://access.redhat.com/solutions/65596

```
kernel: rport-1:0-1: blocked FC remote port time out: removing target
kernel: rport-2:0-3: blocked FC remote port time out: removing target
```

Resolution

Messages received during boot only

- This is normal SAN behavior for some types of SAN devices, such as SAN appliances, and can be ignored
  - See the Diagnostics section for more detailed information and example scenarios.

Messages received after boot and frequently reoccurring

- When these messages occur frequently, they are usually observed at a fixed frequency close to two minutes
  - Something within the zone is "pinging" the controller in the host and likely should be excluded from the controller's zone.
  - Engage SAN sysadmin/vendor. Check storage hardware, including switches.
    - The most common cause of this issue is a switch within the SAN.

Root Cause

- A remote port (rport) is logging into and out-of the HBA which causes a rport tracking resource first to be created and then deleted. When the rport data structure is reclaimed, the message results.
  - Typically this is caused by a SAN appliance or some other remote port on the SAN (other than a storage port) being present within the configuration.
  - Most often happens one time at boot -- after an HBA logs into the SAN it becomes visible to other ports in its zone and these may ping it

解决方法

综上，此打印信息为SAN网路正常打印，无需关注。