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## Technical Bulletin

**Announcement Date: February 23, 2017**

**Exclusions: None**

**Effective Date: Immediate**

**Expiration Date: None**

**Products Covered by this bulletin: vRouter 5600**

**Versions Covered by this bulletin: All**

You can configure the vRouter for the following types of logging:

- Session logging. Configure stateful rules to log session state transitions.
- Per packet logging. Log every packet that matches a network packet filter rule, such as a firewall rule or NAT rule.

### NOTE

Brocade recommends limiting per packet logging to debugging. Per packet logging occurs in the forwarding paths and can greatly reduce the throughput of the system and dramatically increase the disk space used for the log files. For all operational purposes, use stateful session logging instead of per packet logging.

The below is each configuration example. Please refer to each configuration guide in details.

- Session logging
  - o security firewall session-log <protocol>
  - o system syslog file <filename> facility <facility> level <level>
- Per packet logging
  - Firewall
    - o security firewall name <name> default-log <action>
    - o security firewall name <name> rule <rule-number> log
  - NAT
    - o service nat destination rule <rule-number> log
    - o service nat source rule <rule-number> log
  - PBR
    - o policy route pbr <name> rule <rule-number> log
  - QoS
    - o policy qos name <policy-name> shaper class <class-id> match <rule-name> log