

# ScreenOS – Configure Logging to USB Device

**Product:** ScreenOS

**Version:** 4.0 and higher

## Network Topology

Not Applicable

## Description

The built in flash on the firewalls have limited storage for log files. These are automatically overwritten as space runs out on the device. Adding a USB drive stick can increase the amount of log space available on the firewall.

## Configuration:

1. Confirm that usb has the logging levels turned on. Log into the cli and check the current setting. This should be the default.

```
systemname-> get log setting
```

Levels: 0=Emergency, 1=Alert, 2=Critical, 3=Error, 4=Warning, 5=Notification,  
6=Information, 7=Debugging, '-' = disabled

```
Module  Console  Internal  Email    SNMP     Syslog
system  - - - - -  01234567  012--5--  012-----  01234567
```

```
Module  WebTrends  NSM      USB
system  012--5--  01234567  01234567
```

Serial number is disabled.

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You should see the logging level under USB at 7 and below. If this is not turned on you can set the USB logging level.

```
systemname-> set log module system level information destination usb
```

Other levels available are:

```
emergency,alert,critical,error,warning,notification,information,debugging
```

2. Enable the logging to the USB device.

```
systemname-> set log usb enable
```

This allows the usb stick to be used to the maximum available space. It creates a text file on the drive in the format:

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systemname\_24Sept2010\_log.txt

3. To restrict the size of the log file.

systemname-> set log usb filesize ## (number of megabytes)

### Verification:

Viewing the logs

These logs are visible in the web and cli interface while they are gathered. To remove the device for review on you computer.

#### CLI

get log traffic ?

View and select you options

#### Web

Reports - System Log - Events

Reports - Policies (select policy log to view)

### ***USB Drive on your Computer***

To remove the USB drive and mount on your computer for review.

systemname-> unset log usb enable

systemname-> exec usb-device stop

### References:

KB4258 Storing Log Data

<http://kb.juniper.net/InfoCenter/index?page=content&id=KB4258>

KB4214 Configuring the Juniper Firewall Traffic Log (Policy Log)

<http://kb.juniper.net/InfoCenter/index?page=content&id=KB4214>