



## **Router Memory Requirements**

Version: 3546

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# Router Memory Requirements

## 4.2 Distributions

### PPPoE/PPPoA

- 1 GB per 1,500 connections limit 3,000 with higher-end routers

## 4.4 Distributions

### PPPoE/PPPoA

- 1 GB per 1,000 connections limit 4,500 with higher-end routers

### Snort

- 250 MB per interface

## RAMDisk Size

- The RAMDisk size is set at startup from the /usr/share/etc/ram0.conf file and optionally overridden by /etc/ram0.conf.
- These files have one setting: **size=<size in KiloBytes>**.
- The default RAMDisk size in 4.4.1 is 67 MB (size=67000)
- To increase the size to 80 MB, create an /etc/ram0.conf file with size=80000:

```
echo "size=80000" > /etc/ram0.conf
backup flash
reboot
```

**\*WARNING: Do not make the RAMDisk larger than available memory or the router will fail to boot!**

