

## FreeBSD Administration - Feature #579

### Restricting Bandwidth To A Single IP Address With pfSense

03/08/2015 12:12 PM - Daniel Curtis

<b>Status:</b>	Closed	<b>Start date:</b>	03/08/2015
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Daniel Curtis	<b>% Done:</b>	100%
<b>Category:</b>	Firewall/Router	<b>Estimated time:</b>	0.50 hour
<b>Target version:</b>	pfSense 2.2	<b>Spent time:</b>	1.00 hour

#### Description

This is a simple guide for restricting bandwidth usage of a single IP address on pfSense 2.2. Start by logging into the pfSense admin panel.

### Create the Limiters

- Open **Firewall** -> **Traffic Shaper** ->  **Limiter**.
- Select **Create new limiter**.
- Create the first limiter named uploadThrottle.
  - Click **Enable limiter and its children** .
  - Enter Name **uploadThrottle**.
  - In the bandwidth section, click on the **[+]** and enter **5**, and set Bw type to **Kbit/s**
  - In the Mask section, use pull-down menu and select **Source addresses** and the IPV4 mask bits enter **32**.
  - Enter a Description
  - Click **Save**
- Create the second limiter named downloadThrottle.
  - Click **Enable limiter and its children** .
  - Enter Name **downloadThrottle**.
  - In the bandwidth section, click on the **[+]** and enter **28**, and set Bw type to **Kbit/s**
  - In the Mask section, use pull-down menu and select **Source addresses** and the IPV4 mask bits enter **32**.
  - Enter a Description
  - Click **Save**

**NOTE:** This will effectively create a limiter with the speed equivalent to a dialup connection. Adjust accordingly

### Setup The Firewall Rule

- Open **Firewall** -> **Rules** -> **LAN**.
- Select **[+] Add new rule**.
  - In the Source Type pull-down menu select **Single host or alias**
  - In the Source Address enter the IP Address of the host being throttled.
  - Set the Destination to **Any**.
  - In the Advanced In/Out section click on **Advanced**, then set **uploadThrottle / downloadThrottle**
  - Click **Save**
- Click on **Apply**

**NOTE:** Once the rule is in effect the IP address set will have a throttled connection.

#### History

#1 - 03/08/2015 12:59 PM - Daniel Curtis

- Status changed from New to Resolved

- % Done changed from 0 to 100

#2 - 03/18/2015 09:32 AM - Daniel Curtis

- Status changed from Resolved to Closed