FreeBSD Administration - Feature #579

Restricting Bandwidth To A Single IP Address With pfSense

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

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