

Re: Mpd-4.2 released.

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Alexander Motin wrote:

Even if pppoe have some DoS weaknesses it also have some protection mechanisms against it. It's a pity but ng_pppoe originally implements protocol in a way which does not allow this protection to be effectively used.

ng_pppoe can always be rewritten :-)

As I have told 4.2 release contains overload protection which should also help against DoS attacks. I am not sure it will be able to handle 100Mbit/s flood of PADI requests from broken switch, but should avoid mpd freeze in such case.

When having many users, it is useful to have high availability, so it would be nice and useful to setup multiple pppoe servers . I've tried that, using a router, connected to 2 pppoe servers, and at every pppoe connection, a route was added to the router and when user disconnected, the route was deleted from router. This is still a buggy implementation, we had problems messing up routing table.

Having several PPPoE servers in one segment is a normal solution protocol. It is not so efficient now as it could be due to ng_pppoe implementation problem I have told, but it still should increase performance and stability.

What is about routing problems, you just should find good dynamic routing solution. I have successfully working network with hundred PPPoE servers and many thousands of users with routing successfully managed by quagga bgp.

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freebsd-net@xxxxxxxxxxx mailing list

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