

Re: DHCP Over PPPoE

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2006-04/msg00219.html>

- *From:* Julian Elischer <julian@xxxxxxxxxxxxx>
 - *Date:* Fri, 28 Apr 2006 16:17:06 -0700
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Brian Candler wrote:

On Thu, Apr 27, 2006 at 11:14:09AM -0700, Julian Elischer wrote:

A few things..

- 1/ this is a FreeBSD list so we are not very familiar with linux.
- 2/ PPPOE uses PPP which is a point-to-point protocol and does not support broadcast.
- 3/ DHCP is a broadcast protocol and does not support point-to-point networks.
- 4/ PPP (oE) has its own IP allocation mechanism.

But note that he is using DHCP relaying to a remote DHCP server. This original DHCP broadcast is picked up and turned into a unicast message for relaying to the DHCP server. This works quite happily over PPP or indeed any intervening IP network and any number of hops.

only if he has a way to relay it (e.g. the isc dhcp relay daemon)

freebsd-net@xxxxxxxxxxxxx mailing list

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