

Re: DHCP serving more than one subnet (longish)

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JF Mezei wrote:

>

>

> *Nop. DHCP requests cannot be passed by a ROUTER. You need a relay server*

> *(which I assume can be integrated into a router, but it isn't part of the*

> *basic role of a router).*

>

BOOTP and DHCP relaying is normally performed by routers.

>

> *It doesn't directly tell it what subnet it is coming from. For instance,*

> *consider a router that have 4 interfaces. The IP address in the giaddr would*

> *be the IP address of the interface talking to the DHCP server and the DHCP*

> *server would then not know which of the other 3 subnets the client request*

> *originated from. (I think that this is where those relay server options come in)*

>

The giaddr is the address of the first relayer. In the case of a router with multiple interfaces it will be the address of the interface that received the request. The giaddr is preserved as the packet passes across routers so that a BOOTP or DHCP server can configure clients that are multiple hops away.

Graham