

## Re: Heirarchal network question

**Source:** <http://unix.derkeiler.com/Newsgroups/comp.os.vms/2004-12/1492.html>

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**Date:** 12/23/04

Date: Wed, 22 Dec 2004 18:24:07 -0600

JF Mezei wrote:

> *Chris Scheers wrote:*

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>

>>*Is there a way I can do this with a single router? I've been looking  
>>into VLANs, but the information I've seen so far doesn't say anything  
>>about establishing seperate DHCP and NAT domains within the router.*

>

>

> *VLANs are more an ethernet concept than a TCPIP concept. Between VLAN-aware  
> switches, the ethernet packets are different and contain an additional payload.*

>

> *So if you can find a VLAN aware router that has DHCP capability, it could  
> theoretically discriminate between DHCP requests.*

>

> *Is there a reason why you need different subnets at the TCPIP level if you  
> provide ethernet blocks between the subnets ?*

I'm not sure what you mean by ethernet "blocks".

I'm trying to reduce the number of boxes. Each subnet needs to have a DHCP and NAT capability. If I need to buy seperate boxes for this, I may as well go with the broadband routers.

What I would like to know is if there is a smart switch/router that I can use which would allow me to assign ports to seperate subnets, and have provide DHCP/NAT capabilities for each subnet.

At some point, these subnets all get connected together for the shared internet connection, so they are not completely blocked from each other, but the NAT "firewall" capability should be enough separation between for the needs of this installation.

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comp.os.vms: Re: Heirarchal network question

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