

How to separate two subnet in one ...



[randybird](#) 17 posts since

Jun 24, 2008

I use Lab Manager 3.0.

I create a new configuration.

And in this configuration, I want to setup two subnet and separate them with some methods (e.g. firewall or VLAN).

But I don't know how to make them. Does anyone know about this ?

Thanks in advance.



[efulton](#) 123 posts since

May 17, 2007 1. **Re: How to separate two subnet in one configuration?** Oct 10, 2008 12:13 PM

The simplest way to do what I think you want involves virtual networks.

- 1) First, create two distinct virtual networks.
- 2) Then, create your configuration, attaching the systems as you want to either of the two virtual networks.
- 3) Also, importantly, have one extra machine in your configuration. Attach this machine to both networks. Configure this machine specially as a router and your firewall.

This configuration will now be a fully self-contained unit, the VM's in one network have to go through your firewall to get to the VM's in the other network.

4) For extra bonus effort, also connecting them to the outside world is moderately tricky--if you just use the virtual to physical connections, then you'll pretty effectively bypass your firewall, I would suggest yet a third network, also attached to the router/firewall. You would have to roll your own NAT solution in this case; the one built-into lab manager would connect the vms directly, which would defeat your firewall.

Or, depending on your focus, it could actually be even easier than that. If you only do step one and two, and then simply use the virtual to physical connector on both virtual networks at deploy time, you get effectively the same result, just using the layers of indirection, and the NATing and external IP addresses, that LM implements rather than your own. This would be significantly easier if you're just interested in having them segregated but the plumbing doesn't matter that much, use the above more complicated approach if they need to be isolated, or if the plumbing itself is the item of interest.



[randybird](#) 17 posts since

Jun 24, 2008 2. **Re: How to separate two subnet in one configuration?** Oct 13, 2008 12:18 AM

 in response to: [efulton](#)

Efulton, thanks for your answer.

I'll try it.

Do you know there's a default template "ttylinux" ?

How about making this one to router and firewall ?

Thanks!

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[efulton](#) 123 posts since

May 17, 2007 3. **Re: How to separate two subnet in one configuration?** Oct 13, 2008 1:27 PM

↑ in response to: [randybird](#)

ttylinux will work in theory, but I'll warn you now, it's designed to be the absolute minimum bundle it takes to make a functioning OS for testing and demonstration purposes (and also so that LM's own virtual routers have the most minimal footprint possible). You'll have to add a considerable amount to it to make it easy to work with, so it's almost easier to download a more complete linux distro, or I've seen some people use the windows routing if they're more familiar with that.