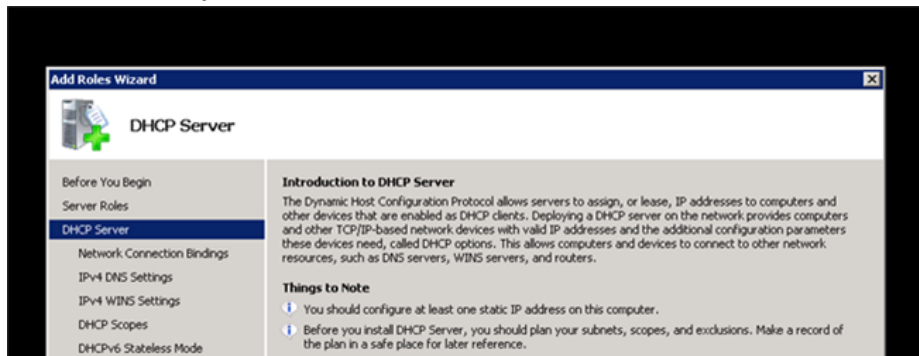


## IT: How to Set Up DHCP in Windows Server 2008 R2

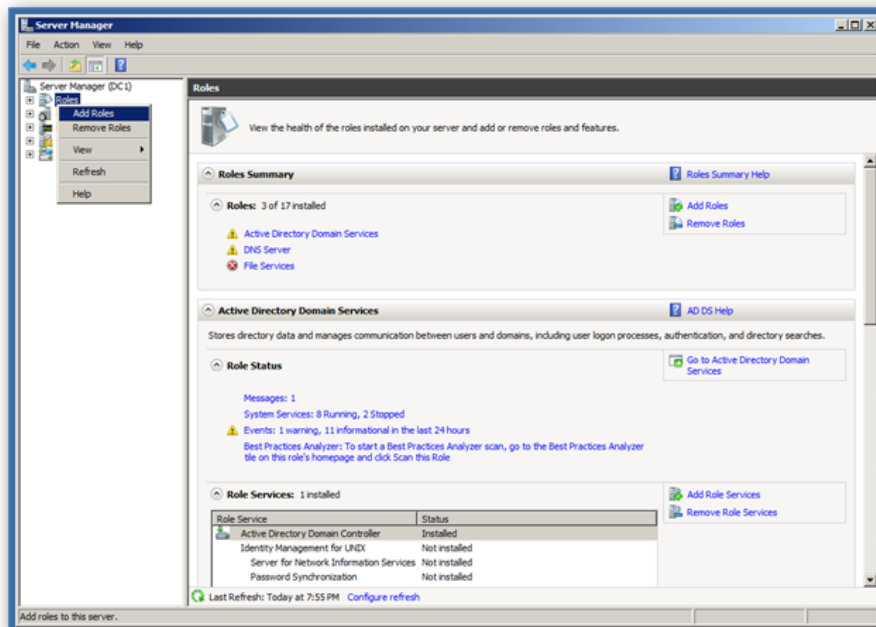


Continuing our series on learning IT basics, today we're going to show you how to setup DHCP on Windows Server 2008 instead of using it on a router.

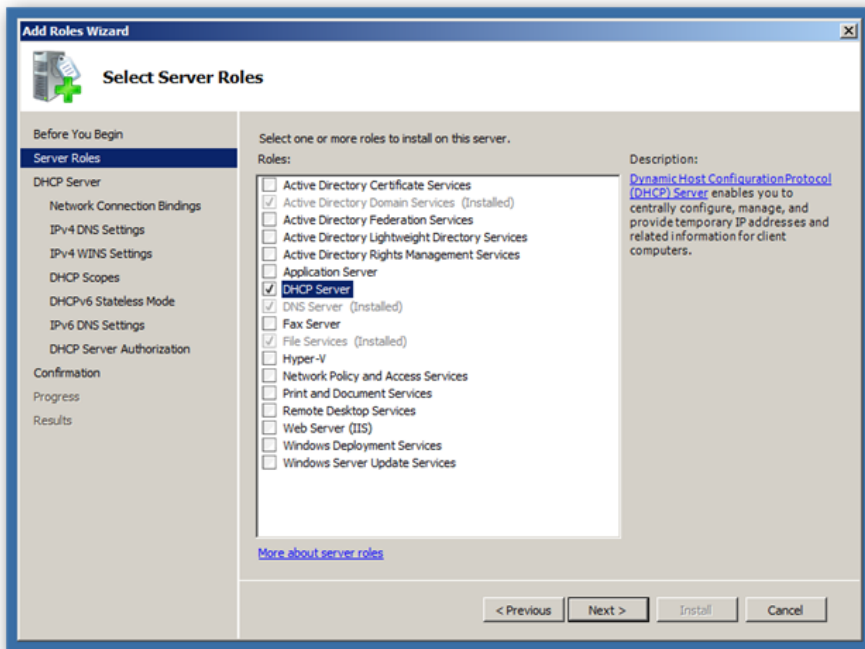
*Note: this is part of our ongoing series teaching IT administration basics, and might not apply to everybody.*

This guide assumes that you have Server 2008 up and running on a machine—if you don't, you should check out our guide on [how to install it](#). You should also have set a static IP address on the server before continuing.

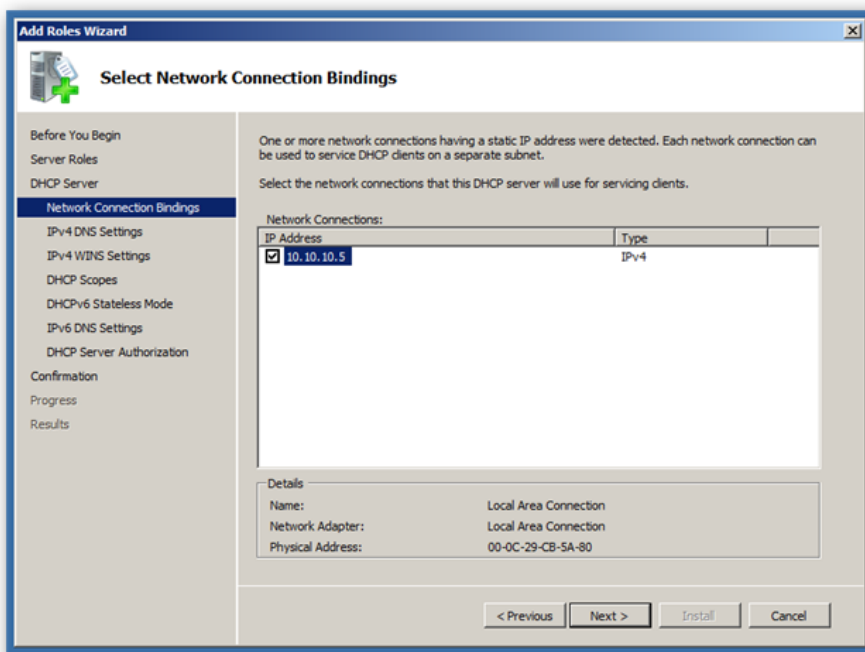
To get started, fire up the Server Manager, right click on roles, and then select add roles.



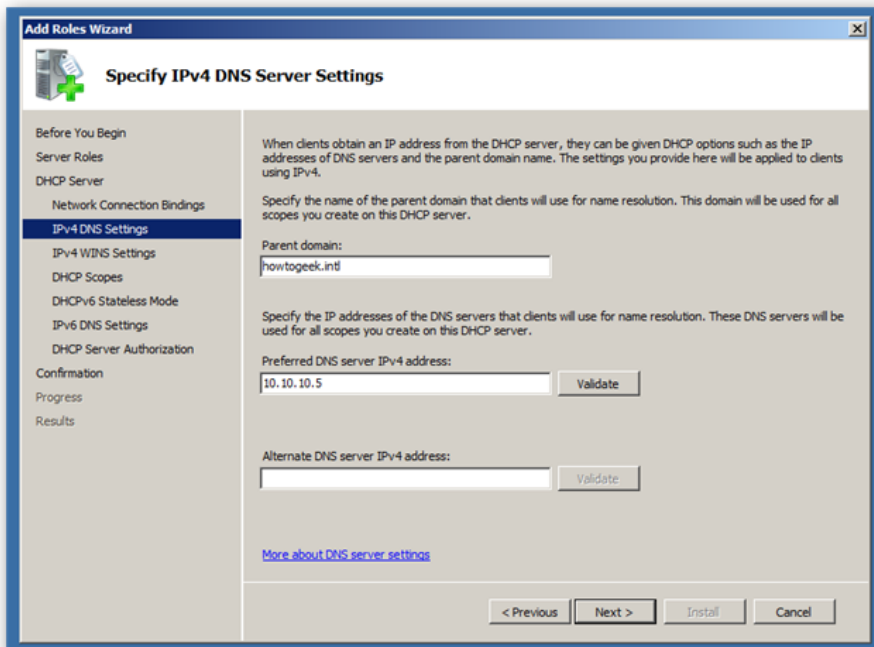
You will be prompted with the normal "Before You Begin" screen, and after clicking Next you'll be able to choose DHCP Server.



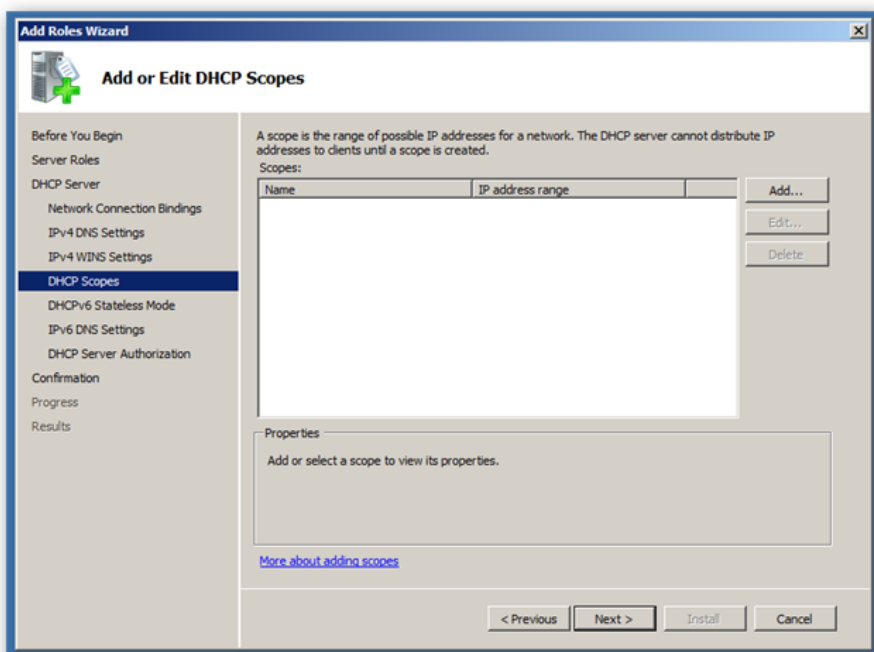
Next you'll want to select the network connection to bind the DHCP protocol to.



Put in the IP address of your DNS Server, which in this case is the same machine—but be careful not to put the loopback address (127.0.0.1) as this will be the address your clients will go to for name resolution.

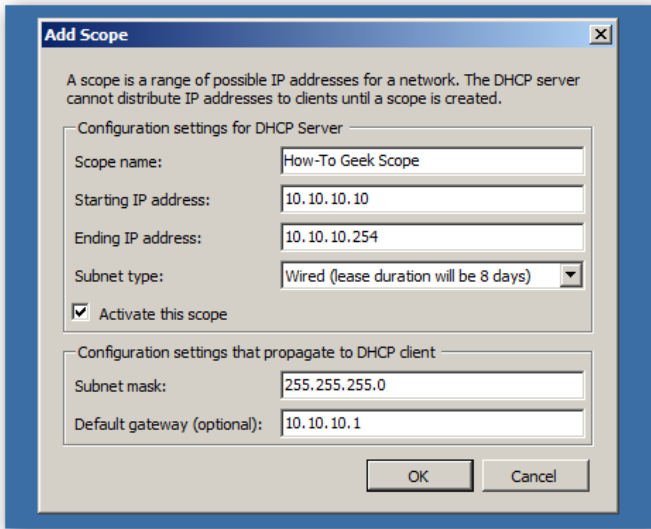


Click next again to skip the WINS setup, this will bring you to creating a DHCP Scope, where you can click the Add button.

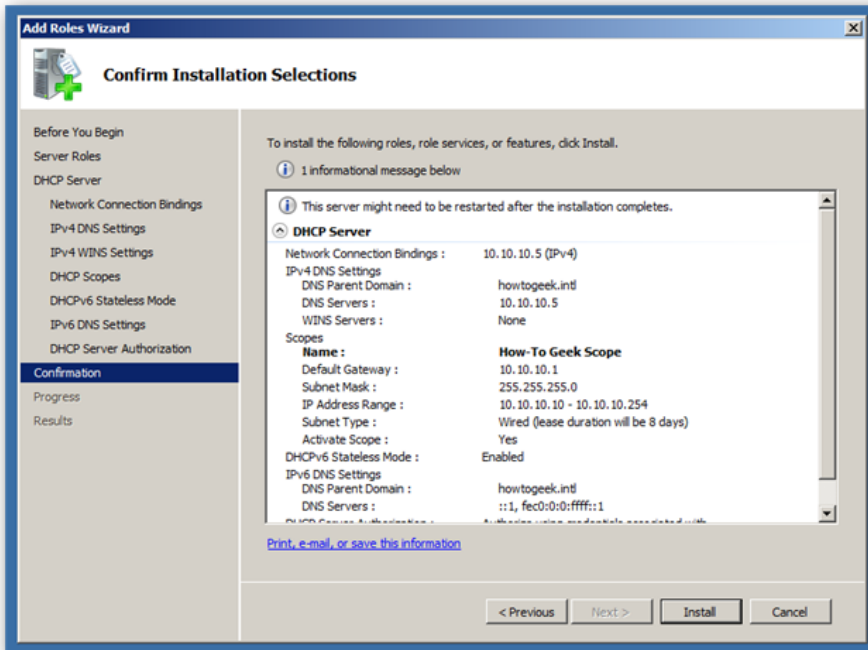


Now you need to:

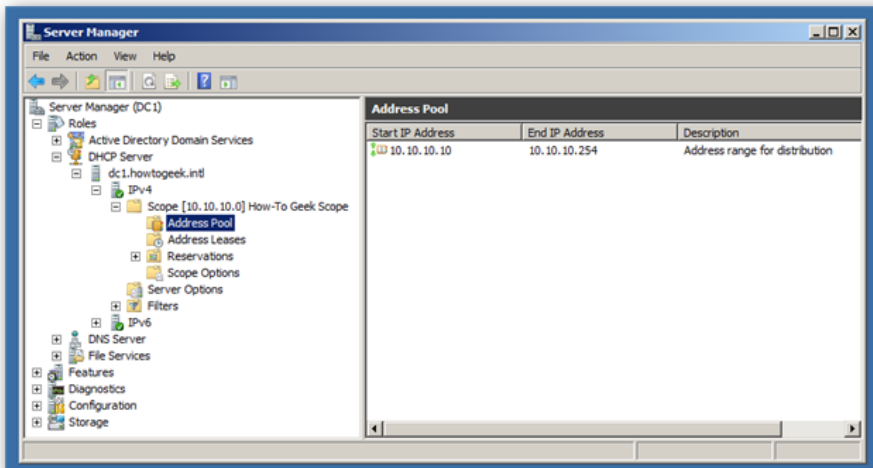
- Give your scope a name
- Enter the first address that you want available to clients to use
- Enter the last address that you want available to clients to use
- Enter the subnet mask (usually 255.255.255.0)
- Enter the IP address of your default gateway (usually your router IP at .1)



Once you have clicked on OK, you can click next 4 times to get to the confirmation screen where you can finally click install.



Once the installation is complete your DHCP will be functioning, and you can start managing your DHCP server right away.



**JOIN THE DISCUSSION**

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Taylor Gibb is a Microsoft MVP and all round geek, he loves everything from Windows 8 to Windows Server 2012 and even C# and PowerShell. You can also follow him on [Google+](#)

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