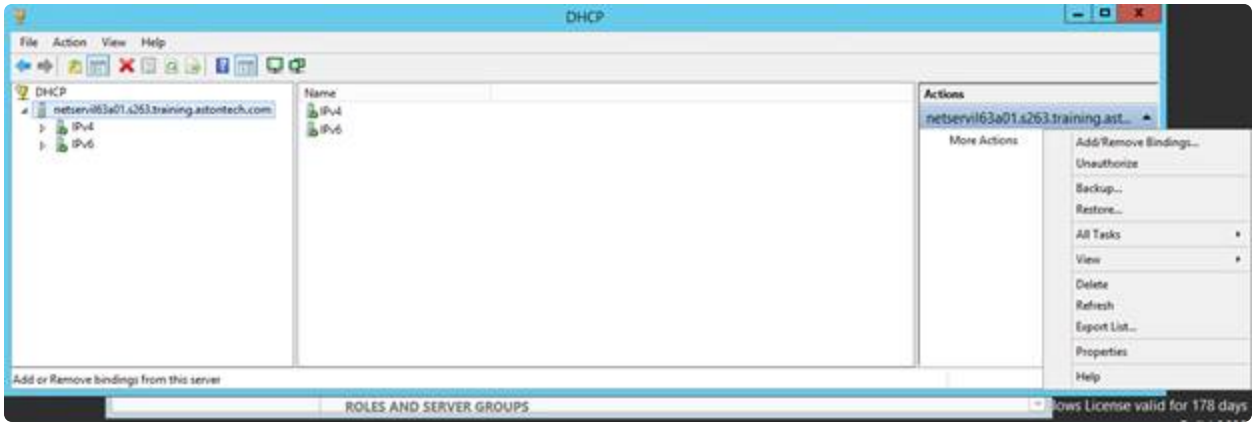
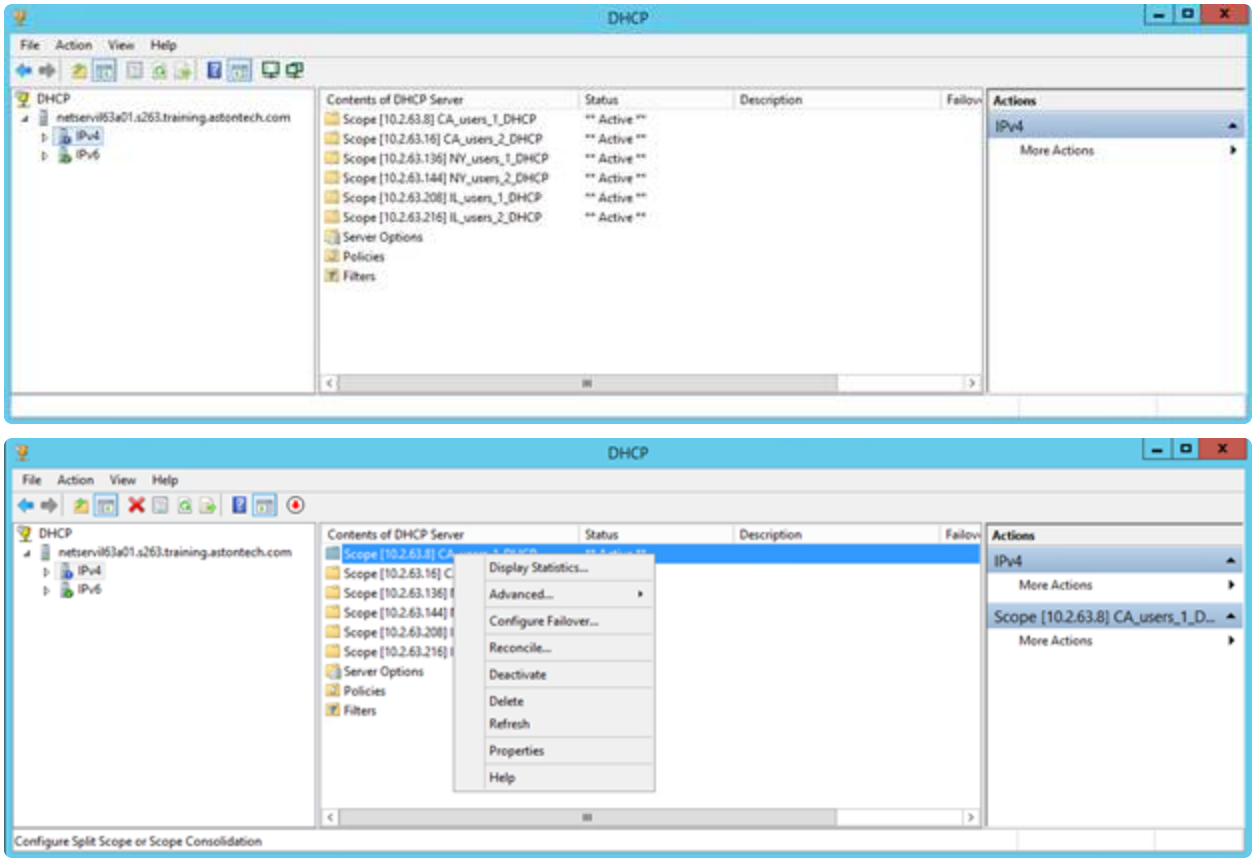
Infoblox CAB

Switching DHCP from Windows Server to Infoblox

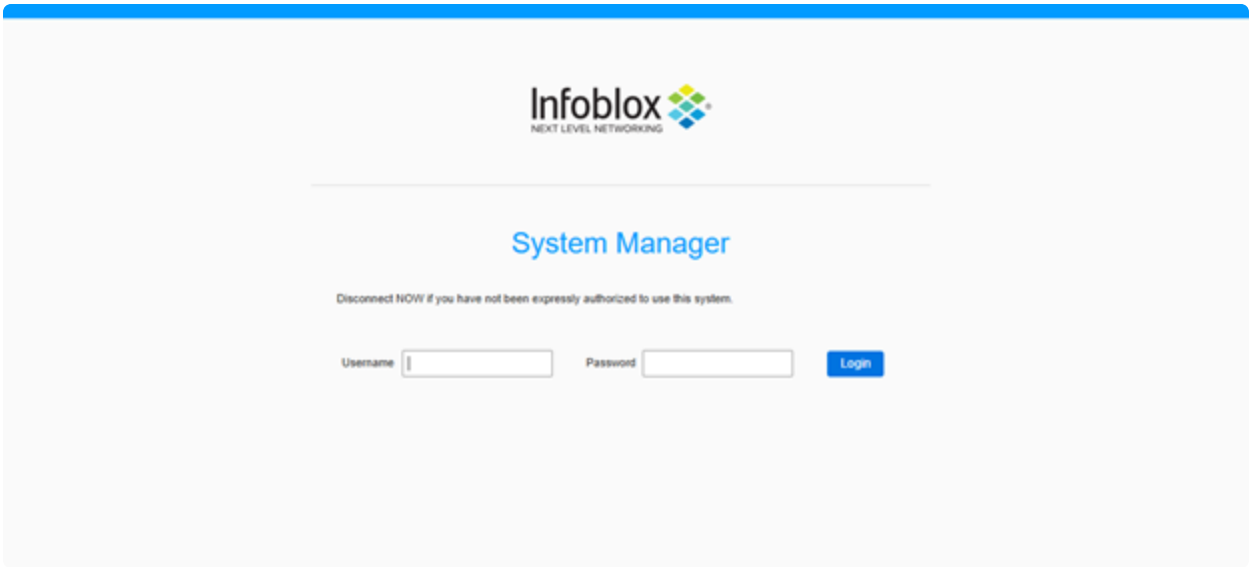
Step 1 – Create a backup of your DHCP settings in windows. There is a drop down in the DHCP settings that will allow you to create a backup on windows server.



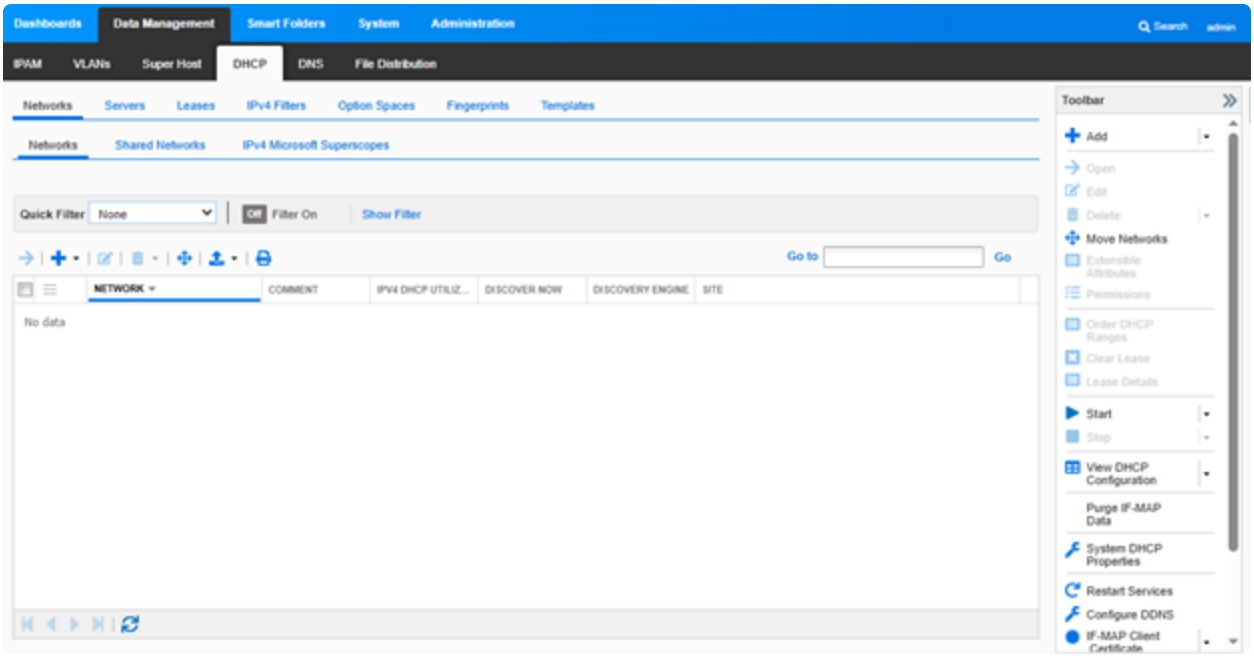
Step 2 – Navigate to DHCP IPv4 section and proceed to delete all of the scopes that you have created by right clicking them.



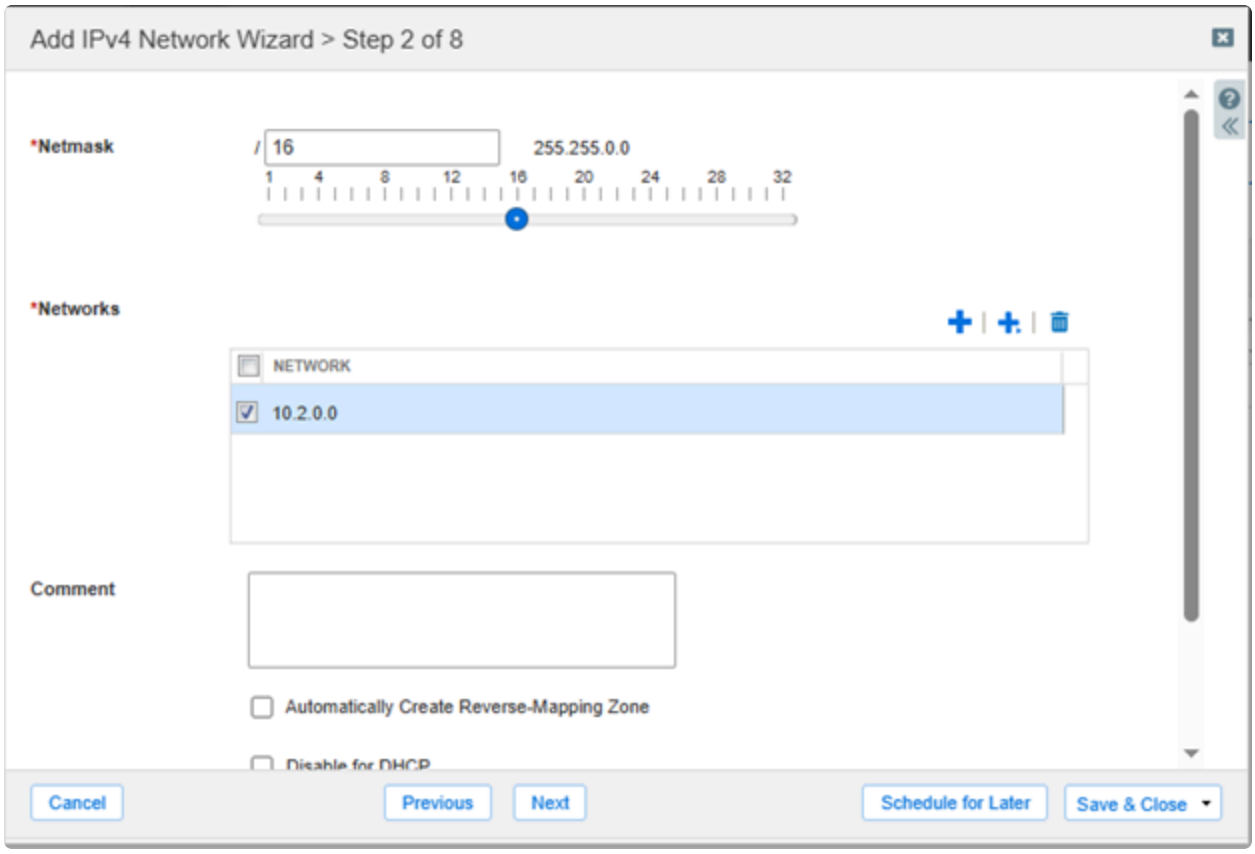
Step 3 – Navigate to the Infoblox server that you have set up and login.

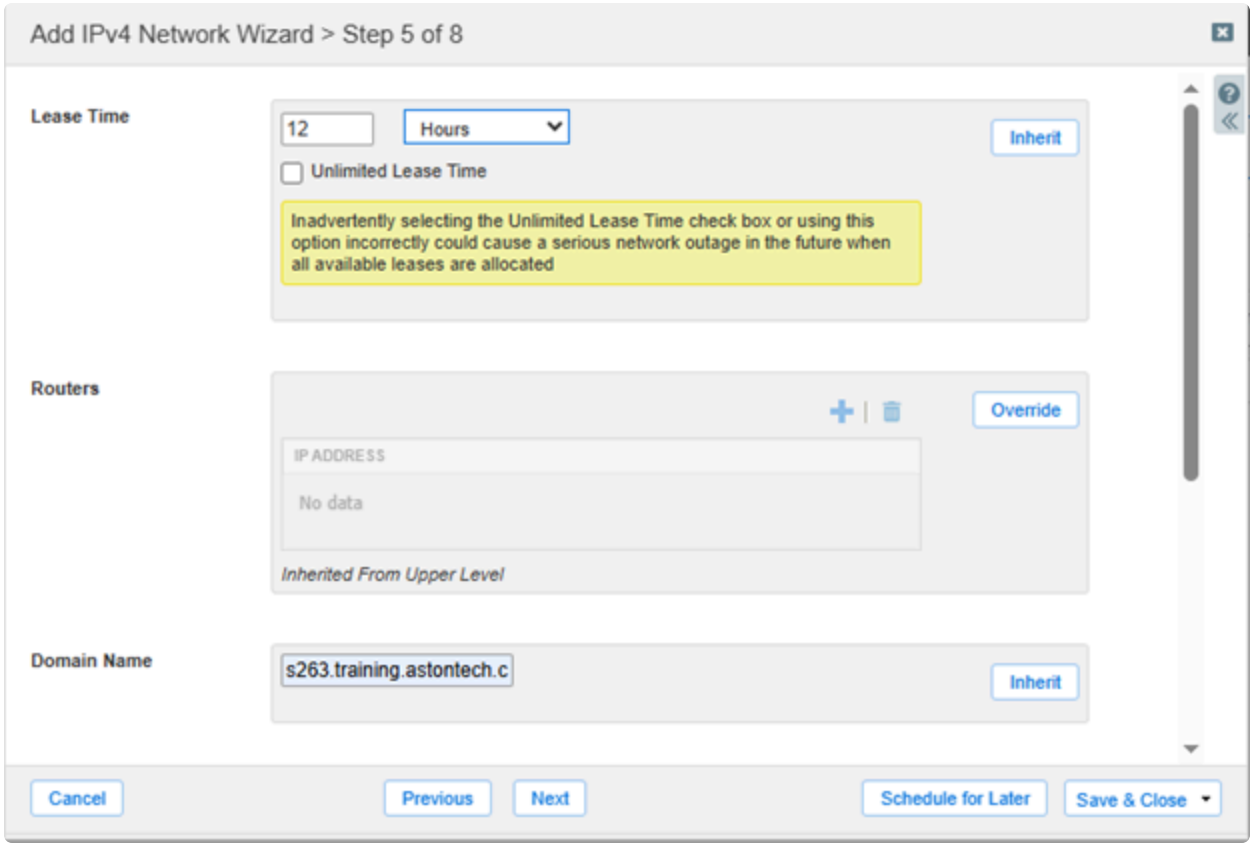


Step 4 – Navigate to the “Data management” tab and select “DHCP”.



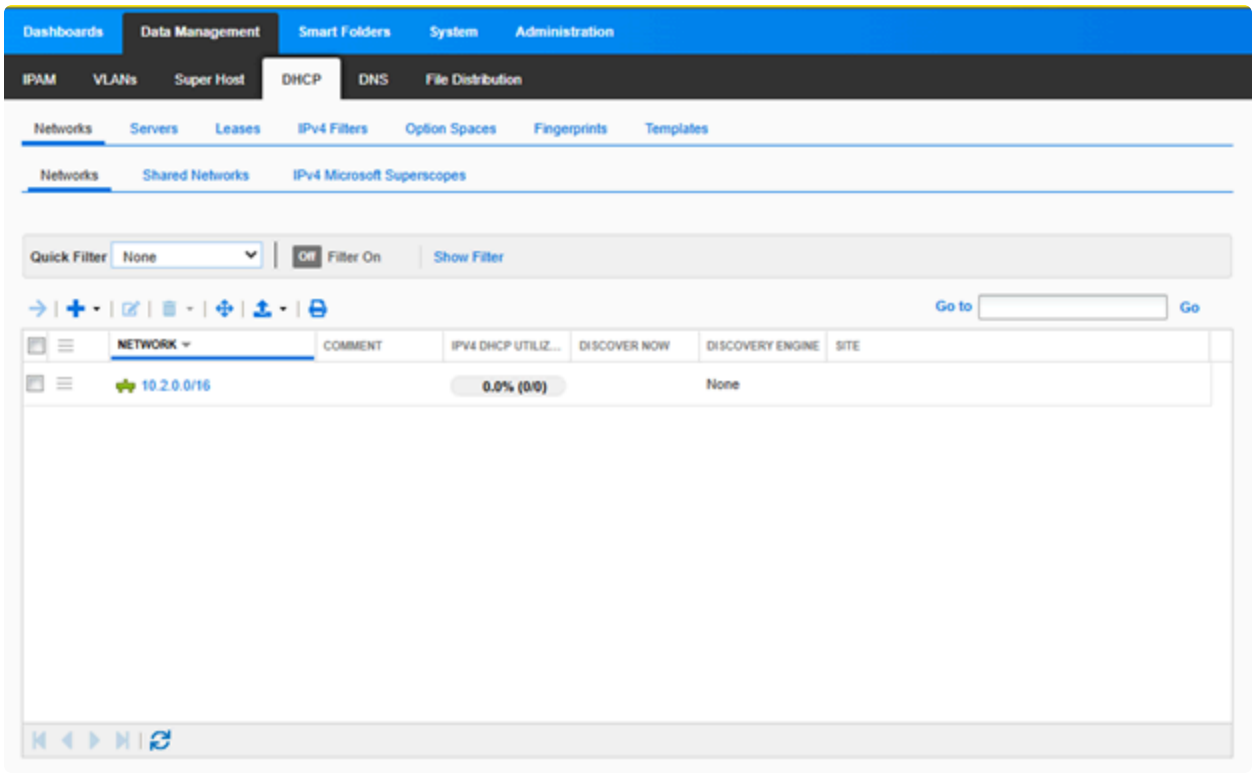
Step 5 – from the previous screen, click on the “+” sign and add an IPv4 Network that will include all of the devices in your network. You will leave all the settings default besides the ones shown below (Step 2 and 5). For step 5 you will want to override “lease time” and “domain name” to add the correct information.



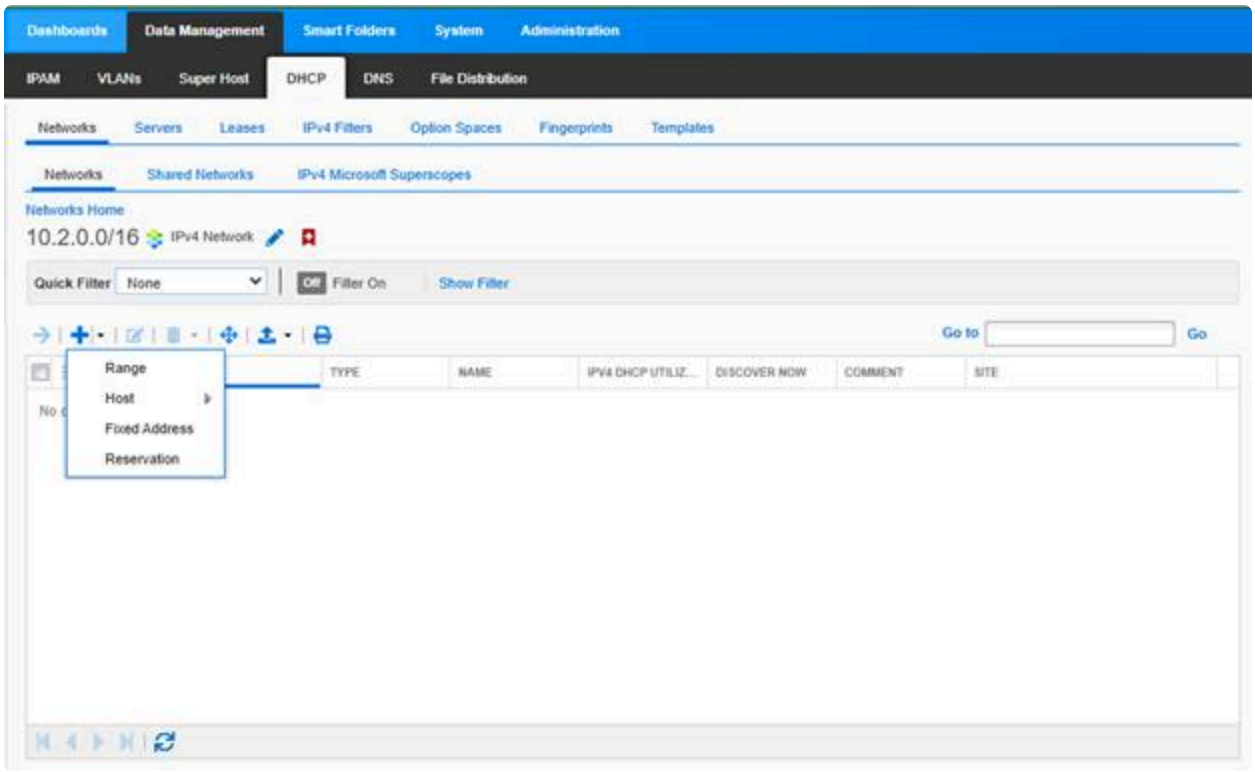


*Do not forget to save and close and when done your window should look like it is shown below.

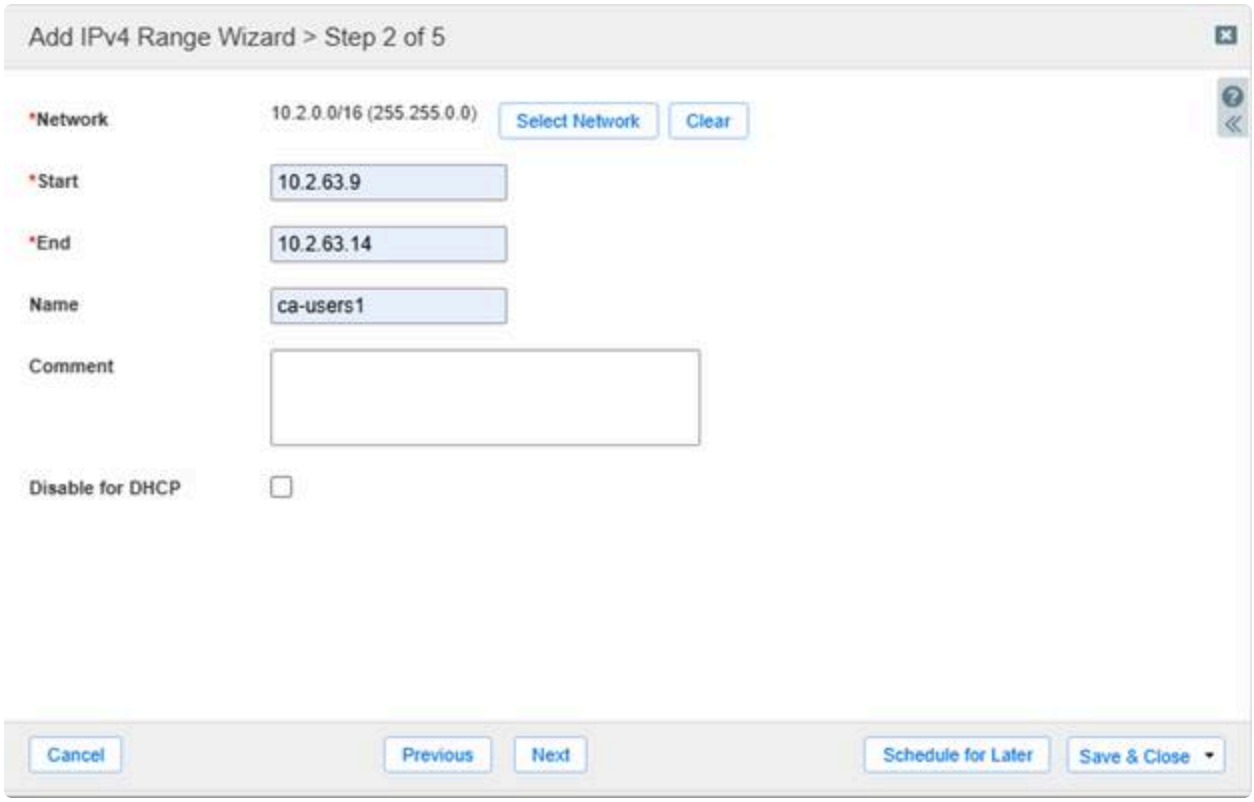
When the IPv4 network has been created, click into it and you will then add your DHCP scopes.

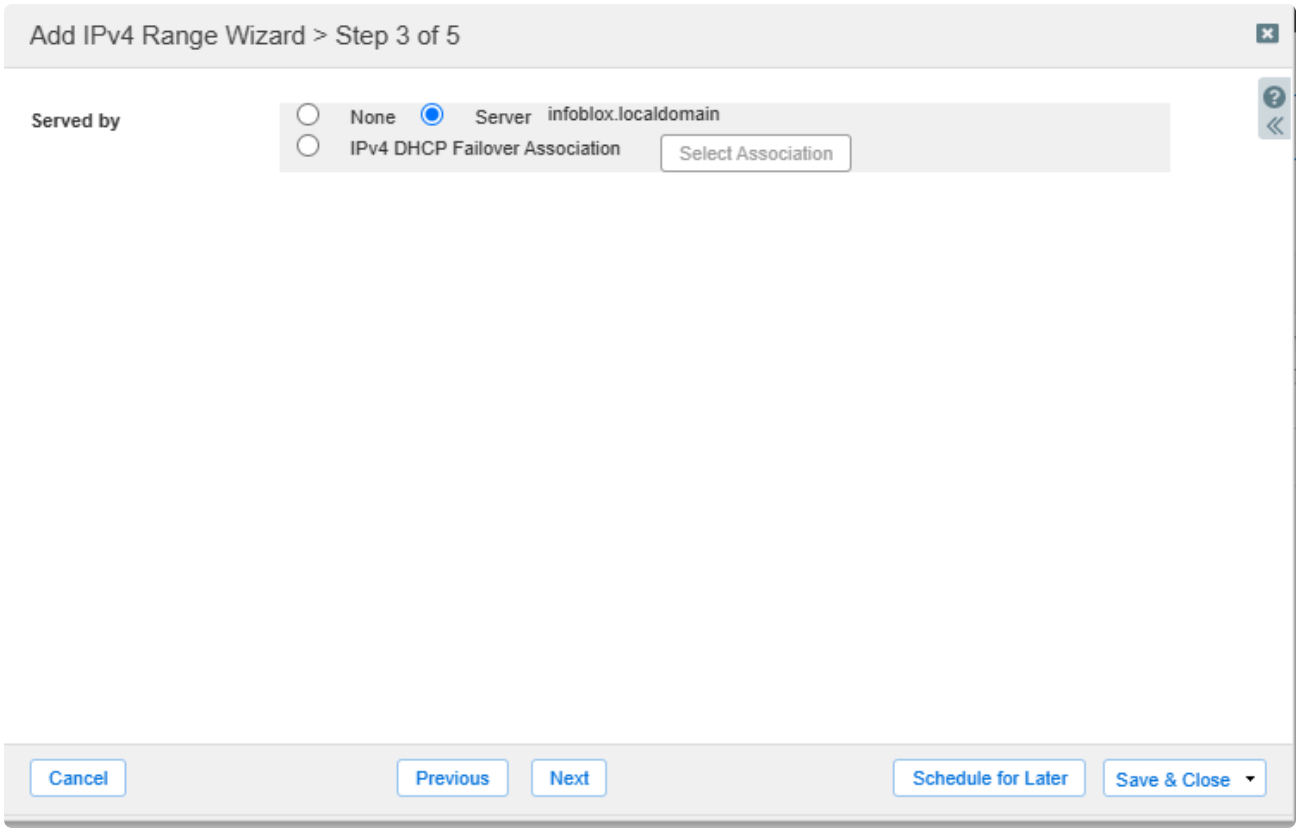


Step 6 – From the screen below, click on the “+” drop down and click on “range”.

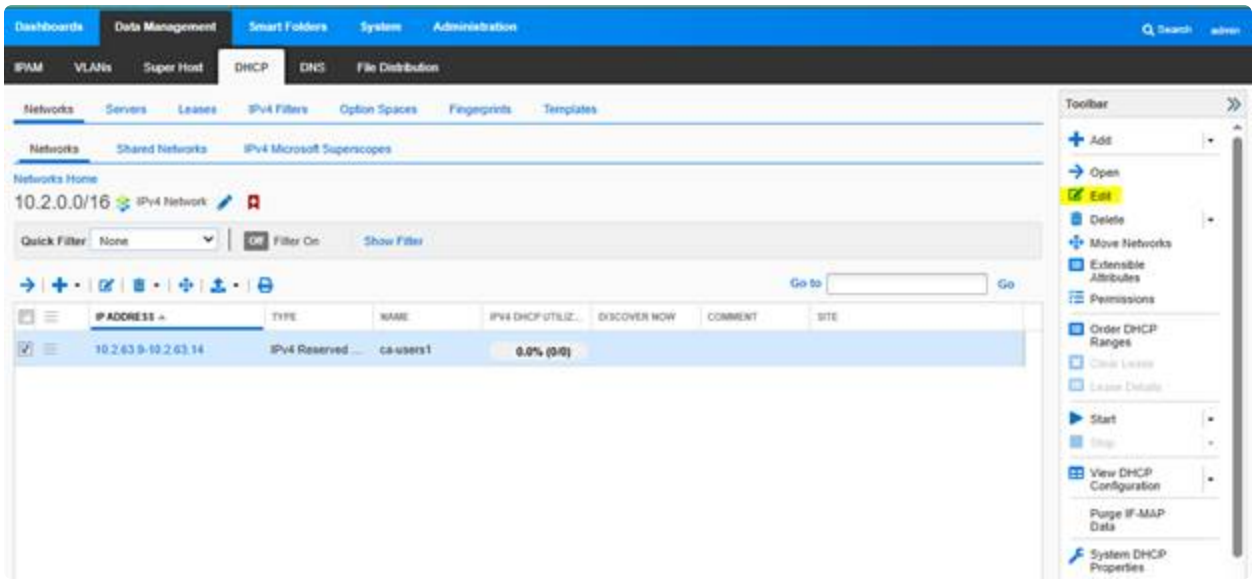


Step 7 – Once the next screen pops open, once again leave all settings default besides the steps shown below (Step 2 and 3). Do not forget to save and close before exiting. You will repeat these steps for all scopes needed making sure to only add the **usable hosts** to the range, excluding the network and broadcast address.

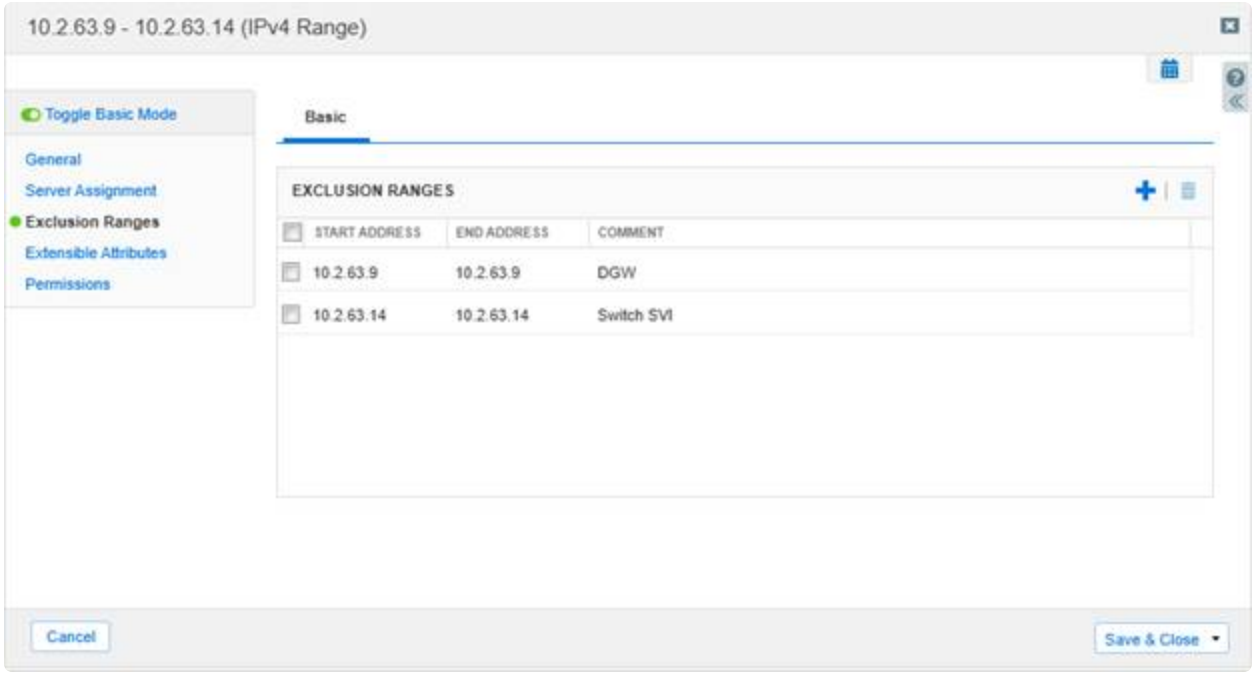




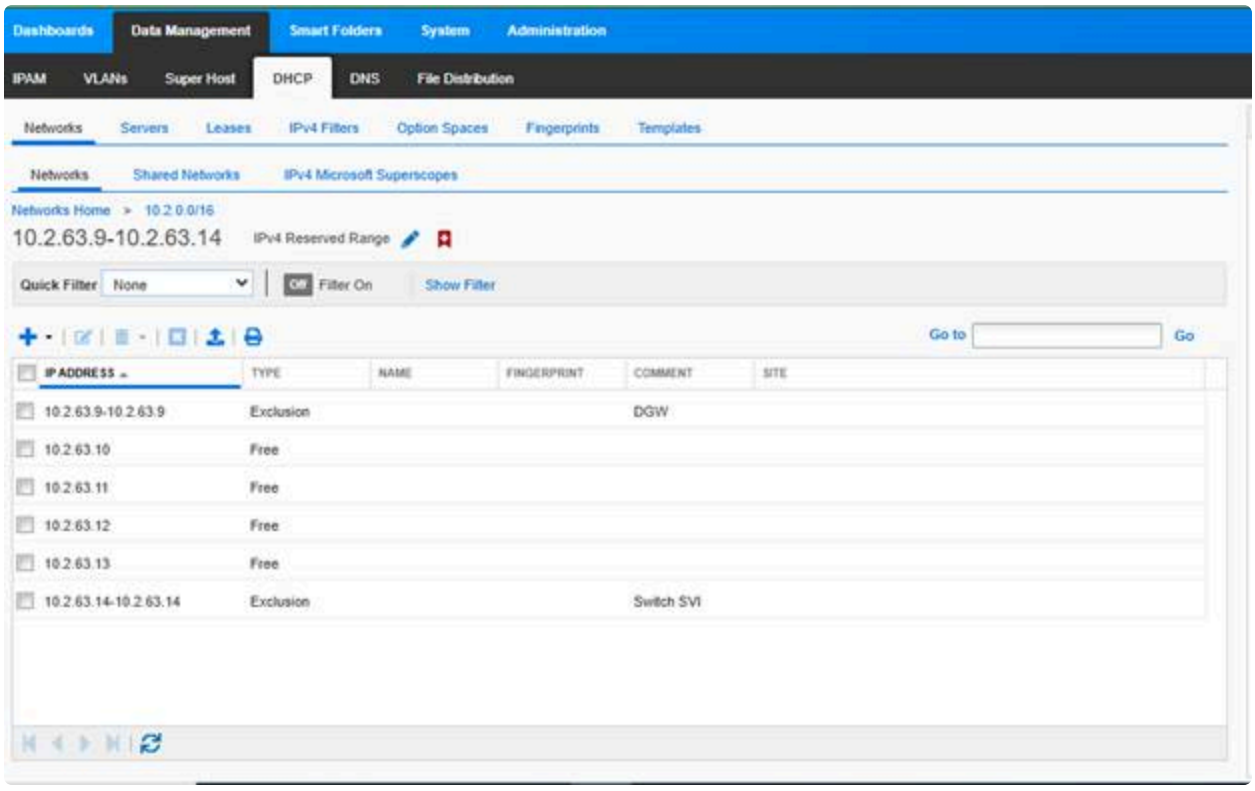
Step 8 – Now that we have created the range of the scope, you will need to add exclusions. These exclusions are IP addresses that will not be redistributed to hosts when connecting to the network such IP addresses that are reserved for SVIs or default gateways. How to do this is by clicking on the scope you have created and going into “edit” on the right side of the window.



Once in the next window, make sure advanced mode is enabled and you will be able to add exclusion ranged. Add the IP addresses in the range that need to be excluded. In this case only 2 will be added and the finished product will be shown below.

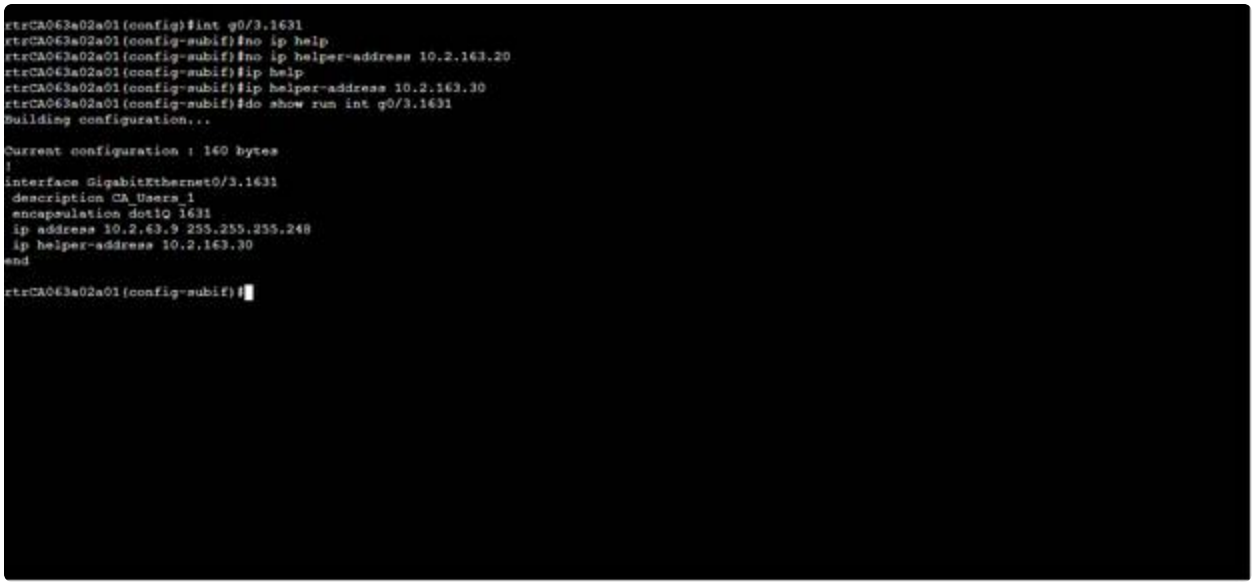


You can verify you have done this correctly by viewing the next screen when you save and close, shown below.

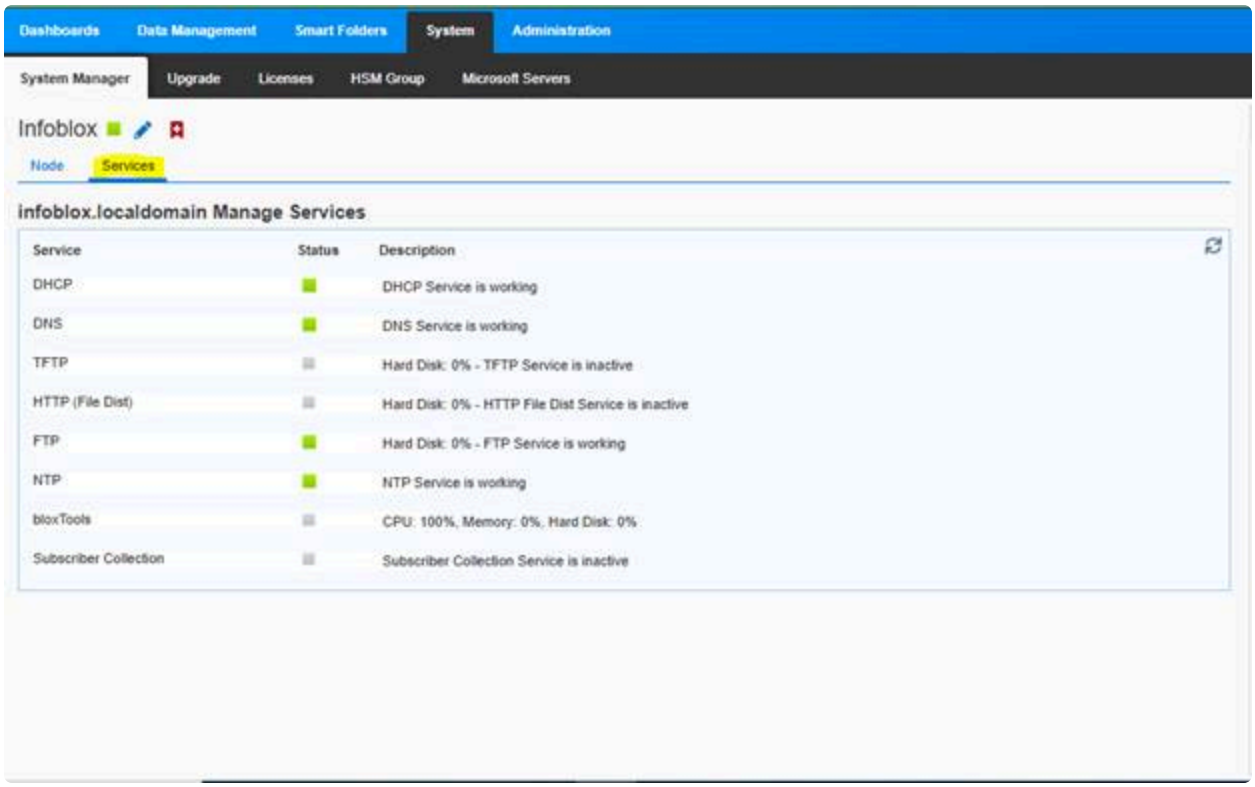


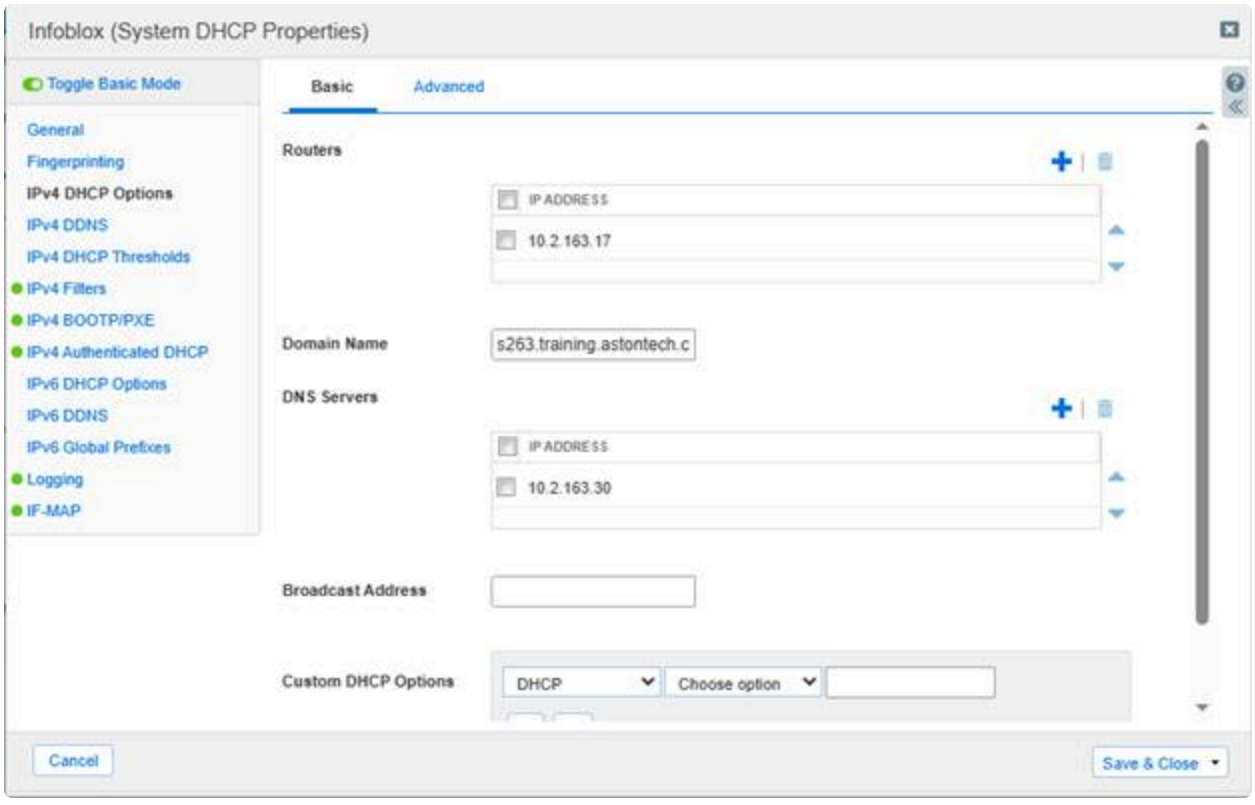
****Make sure you do this for all DHCP pools that need to be created.**

Now that the DHCP pools have been created, you will need to adjust the “IP helpers” on the default gateway to point at the Infoblox DHCP server instead of the Windows server DHCP that it was previously pointed at.



Make sure your DHCP service is turned on and that the IP address of the whole network is pointing toward the IP address of VLAN 911.





Now verify that the host is able to connect to DHCP and your IP is pointing at Infoblox instead of windows and you are done. ****Make sure to do this for all hosts**

```
CA-Host-1> dhcp
DDORA IP 10.2.63.13/16 GW 10.2.63.9

CA-Host-1> show ip

NAME        : CA-Host-1[1]
IP/MASK     : 10.2.63.13/16
GATEWAY     : 10.2.63.9
DNS         : 10.2.163.30
DHCP SERVER : 10.2.163.30
DHCP LEASE  : 43193, 43200/21600/37800
DOMAIN NAME : s263.training.astontech.com
MAC         : 00:50:79:66:68:09
LPORT       : 20578
RHOST:PORT  : 127.0.0.1:20579
MTU         : 1500

CA-Host-1>
```

**Rollback

**

If for any reason you need to rollback, you created a backup of your Windows DHCP Server. You would just have to go in and change the IP helpers of your DGWs back to the Windows Server and make sure your scopes are up. If you refer back to the first picture in this document, under "backup" there is a "restore" option.