ITAS 233 LAB 03

Chapter 3

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Submitted to

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Introduction

The Project basically about setting up the DHCP servers and Windows Deployment Service. We will also learn about the Remote the server as well as controlling the server managers using the Remote Service and Administration Tools.

Part 1: Implement DHCP and WDS Deployment Server

Dynamic Host and Configuration Protocol(DHCP) provide ip address to all the computers. Setting up an DHCP server in the windows is a straight forward and an easy setup.

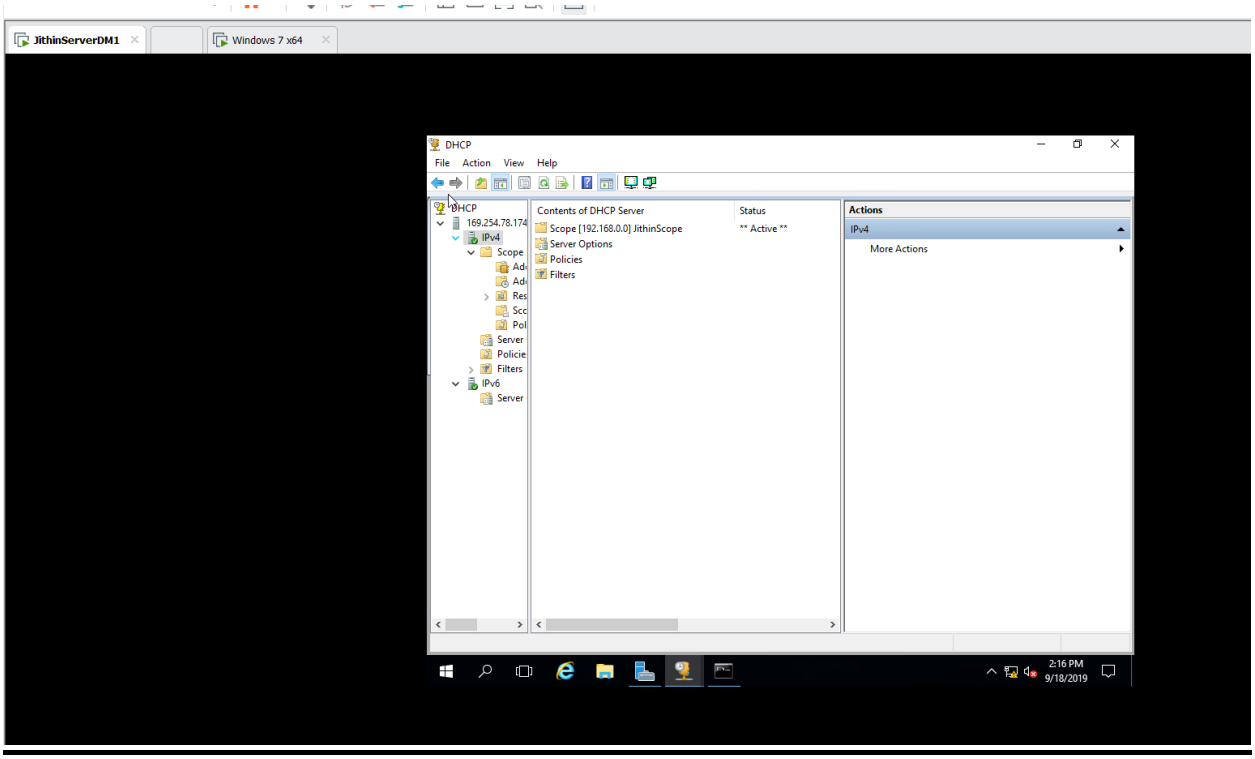


Figure 1: Making a DHCP Scope for the server

Note: Make sure firewall is turned off and have installed with latest update and configured a staic ip address to the nic.

Choose role-based installation and add feature from the server pool from the add features. Selec DHCP and complete the installation by clicking the Next button.

Note: Remember to authorize and set up a pool for the dhcp server using the **DHCP** tool option in the tool menu.

WDS Deployment Server

Choose role-based installation and add feature from the server pool from the add features. Selec DHCP and complete the installation by clicking the Next button.

NOTE: Remember to check Deployment server and Transport server during the installation .

Go the Windows Deployment Service MMC using the tool menu.

Add Configure Server using the right Option:

Intergated with Active Directory → check in both the option in the next menu

Click Next, Finish.

Figure 2: Installing the OS using the WDS

Adding a Windows Image in WDS

Deployment Service Console → Expand your sErver → Right click on Install Image →Add install image.

Make a image group name as you wish → select install.wim file from the source(CD/DVD).Click Next and Finish.

After adding install.wim. Add right click on the boot image and add the boot.vim .Like we did above.

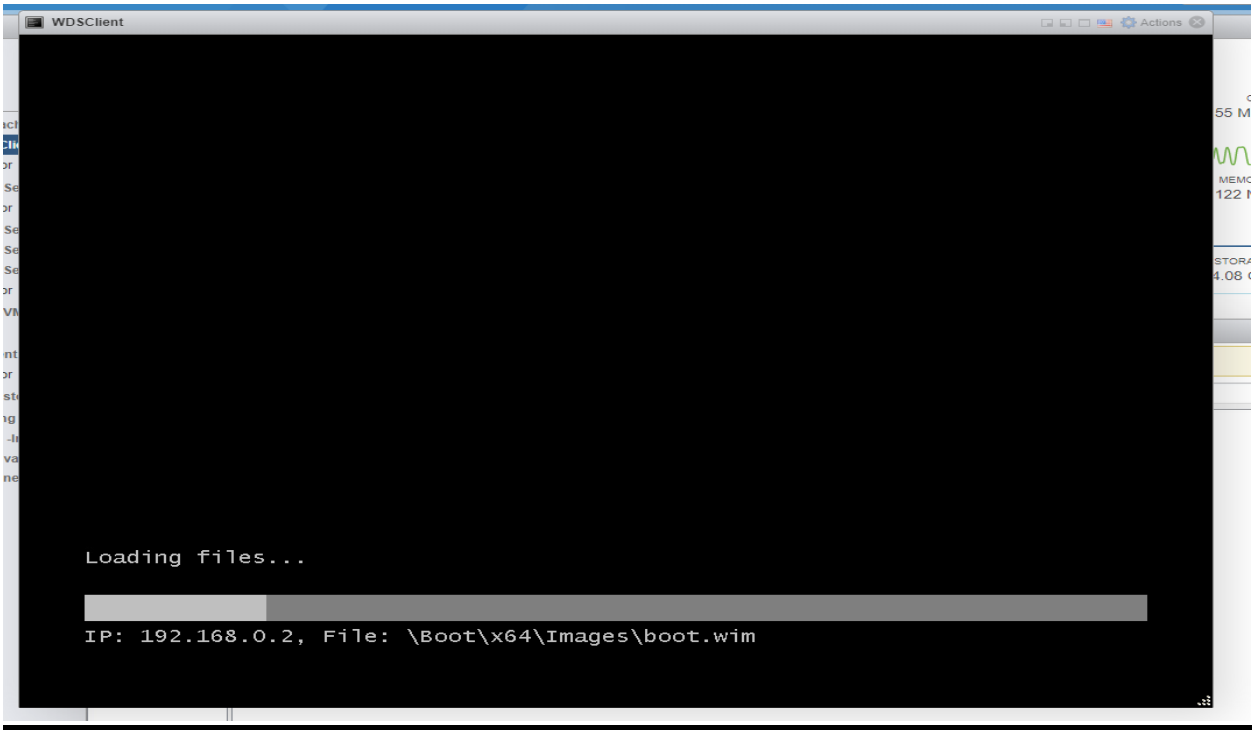
Capture image can be also made is the same manner.

Making WDS Client

Step 1: Make a plain VM without any OS.

Step 2: Change the boot order and make sure EFI Network is made to the priority in the boot menu.

Step 3: Just turn on the client and the WDS client start running by grasping the OS from the WDS Server.



Part 2:Remote Desktop

Step 1: Add **No Student VM nic t**o domain controller **. Note down the ip address of the nic**

Note: Make sure that the remote desktop is enable on the Domain controller

Step 2: Take remote Desktop Application and type the ip address gained from the new nic.

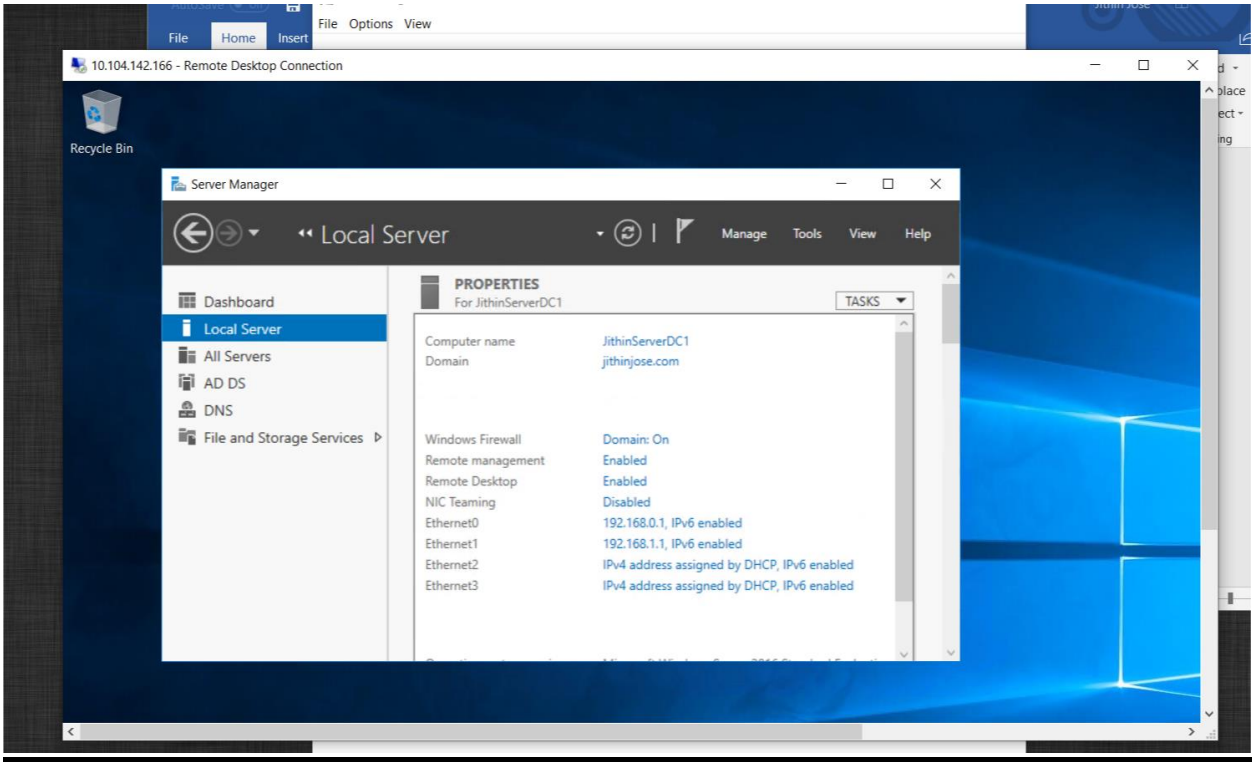


Figure 3:Remote Desktop Connection

Part 3: Remote System and Administration Tools

Step 1: Install all the RSAT Feature in the host system.

Step 2: Make a bat file with the following details.

```
@echo off
runas /netonly /user:JITHINJOSE\Administrator "mmc /server=JithinServerDC1"
pause
```

Step 2: Add snap from the file option

Step 3: Choose Service and add another computer with the domain controller ip address.

Step 4: Click Ok, After that you could manage the Server using the RSAT

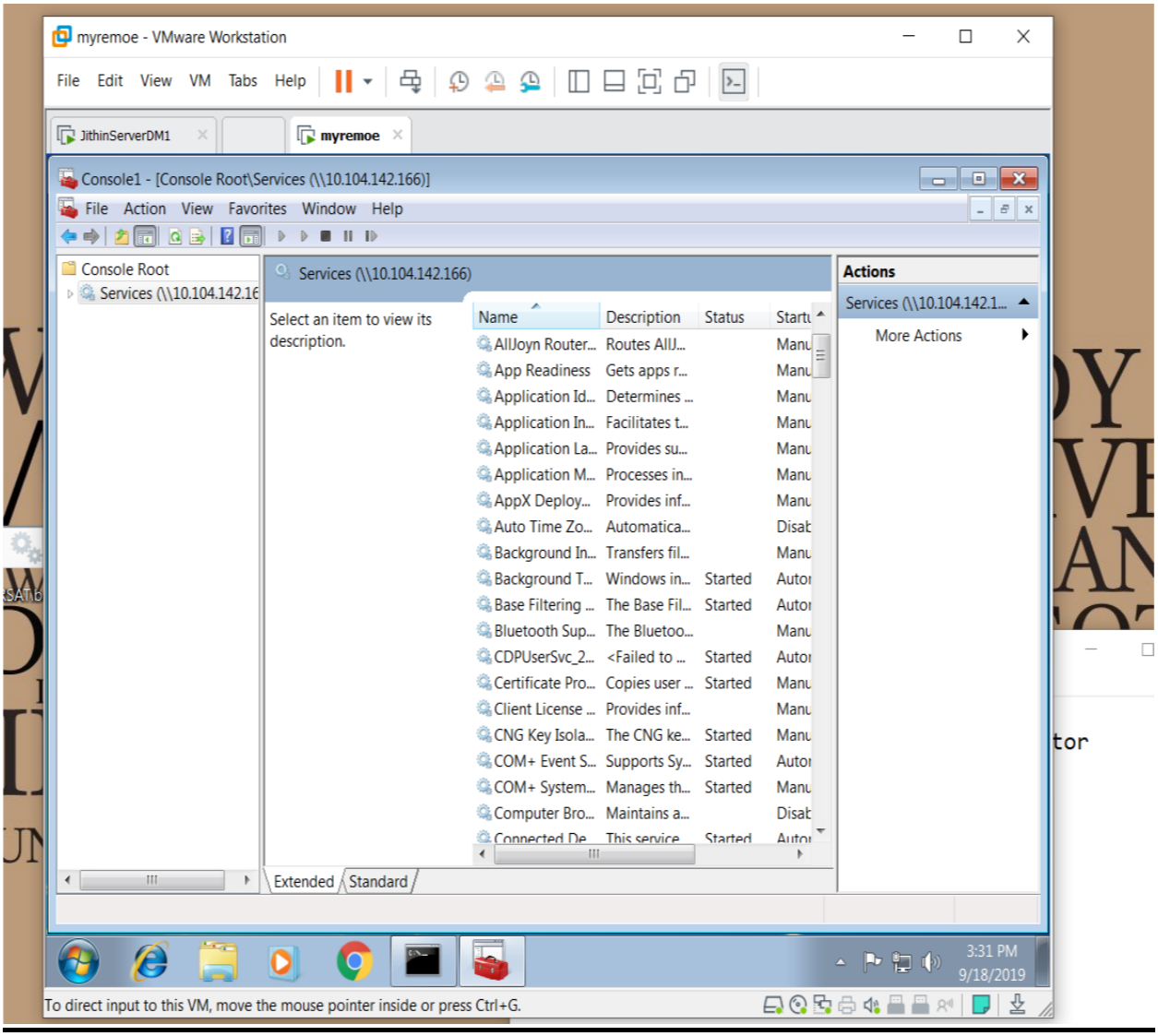


Figure 4: RSAT Connection to the DC1

Part 4: VMwareTools installed

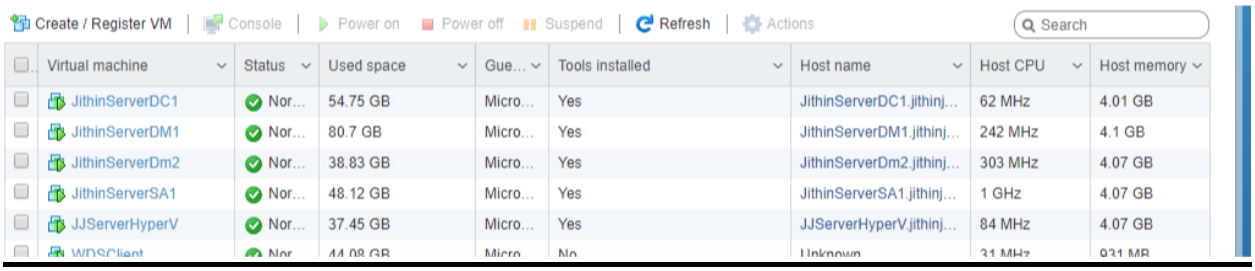


Figure 5: Installed VMware tools inside all the server

Part 5: DE-Authorize DHCP Role

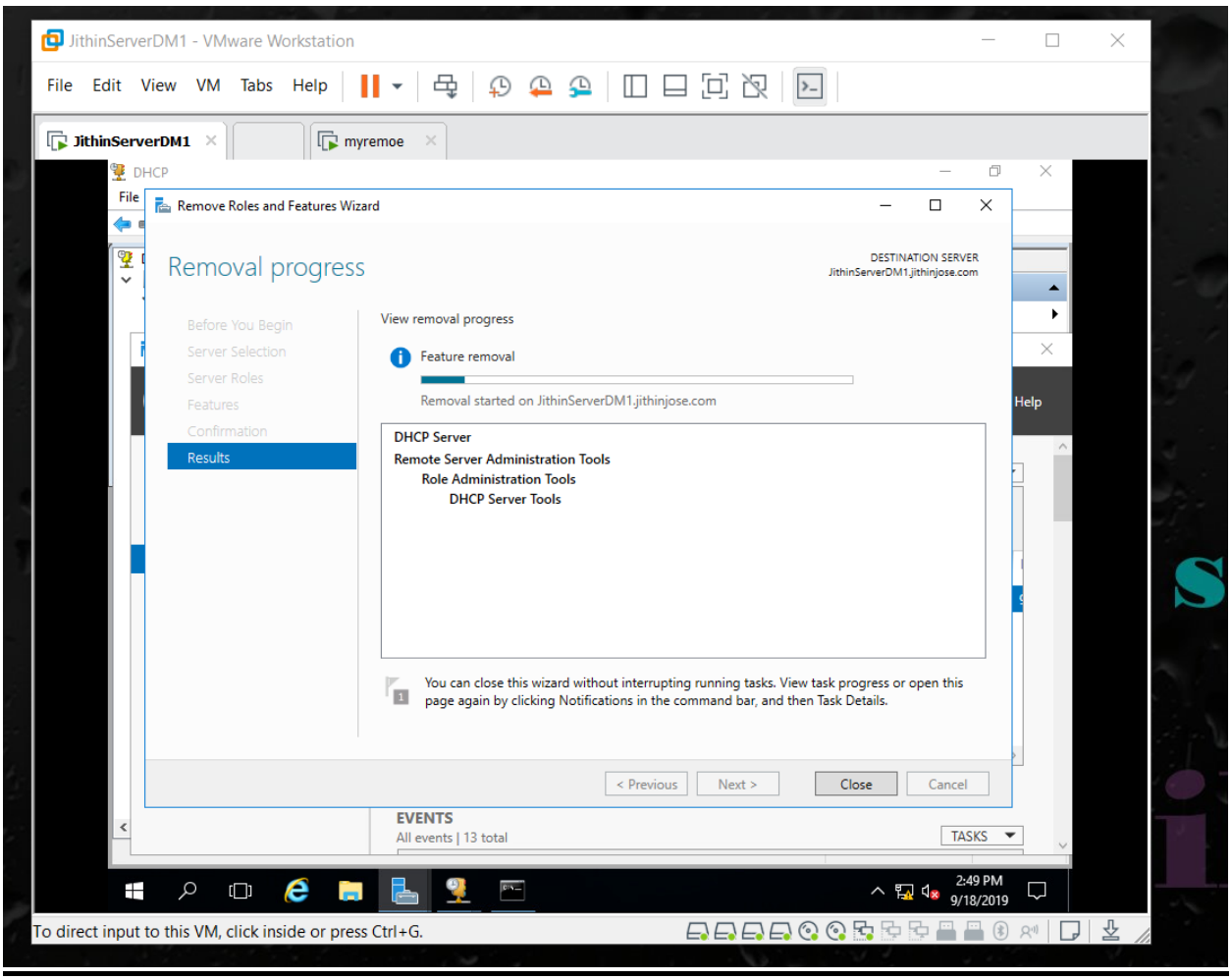


Figure 6: Removing DHCP role from the computer

Conclusion

This lab helped me to learn how to set up the WDS and DHCP Server using the Windows 2016 server. It also helped me to learn how we could manage the servers by remote Desktop and Remote Service and Administration Tools.