**Tech Challenge #3**

**DNS and DHCP**

1. Create 2 workstations with A1 standard size and dynamic IP addresses. (Choose the same operating system as you did in Tech Challenge 1).
2. Name them TUA12345-WS1 and TUA12345-WS2 (replace TUA12345 with your TU AccessNet)
3. Make TUA12345-DC1 be the DNS server for TUA12345-WS1 by entering the IP address of TUA12345-DC1 as the DNS server of TUA12345-WS1
   1. Repeat for TUA12345-WS2
4. Login to TUA12345-WS1 and have this machine join the domain you created.
   1. Repeat for TUA12345-WS2
   2. Turn off Windows Firewall for Domain Network Settings
5. Add “Domain Users” to the “Remote Desktop Users” group on TUA12345-WS1
   1. Repeat for TUA12345-WS2
6. Create the following VMs and have each VM join the domain

|  |  |  |  |
| --- | --- | --- | --- |
| Role | File Server | Database Server | Web Server |
| Name | TUA12345-FS1 | TUA12345-SQL1 | TUA12345-IIS1 |
| Size | A2 Basic | A3 Basic | A1 Standard |
| Static IP with address | .11 | .12 | .13 |
| Virtual Network | Same as DC1 | Same as DC1 | Same as DC1 |
| DNS Server | IP Address of DC1 | IP Address of DC1 | IP Address of DC1 |

1. Provide a screenshot of all 6 virtual machines with Azure Portal:
2. Login to TUA12345-DC1 and show DNS of DC1, WS1, WS2, FS1, SQL1, IIS1
   1. Show the NSLOOKUP queries for all of the VM’s: