Lab 3, Part 2: Domain join

In this lab, the Windows 10 x64 VM was installed in the hypervisor. It is named as WorkStation 01 (*wks01*). This lab will go through the Domain Join Process for a windows 10 workstation and the other server.

The pool leased addresses from 192.168.228.50 to 192.168.228.99, out of which the first five addresses were excluded. So, the first address available for the clients was the one that wks01 is assigned with *(192.168.228.55)*. The DNS server that we see is serverDesktop's domain controller, where the DHCP server is hosted as well.


```
Ethernet adapter Ethernet0:

   Connection-specific DNS Suffix  . : lab.manish
   Description . . . . . . . . . . . : Intel(R) 82574L Gigabit Network Connection
   Physical Address. . . . . . . . . : 00-0C-29-87-D9-C4
   DHCP Enabled. . . . . . . . . . . : Yes
   Autoconfiguration Enabled . . . . : Yes
   Link-local IPv6 Address . . . . . : fe80::41e3:d3b4:c72f:b27e%10(Preferred)
   IPv4 Address. . . . . . . . . . . : 192.168.228.55(Preferred)
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Lease Obtained. . . . . . . . . . : Tuesday, 22 February 2022 22.44.44
   Lease Expires . . . . . . . . . . : Wednesday, 2 March 2022 22.44.45
   Default Gateway . . . . . . . . . : 192.168.228.2
   DHCP Server . . . . . . . . . . . : 192.168.228.5
   DHCPv6 IAID . . . . . . . . . . . : 83889193
   DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-29-A7-02-29-00-0C-29-87-D9-C4
   DNS Servers . . . . . . . . . . . : 192.168.228.5
   NetBIOS over Tcpip. . . . . . . . : Enabled

C:\Users\labUser>
```

Figure1: Windows 10 virtual machine IP configuration

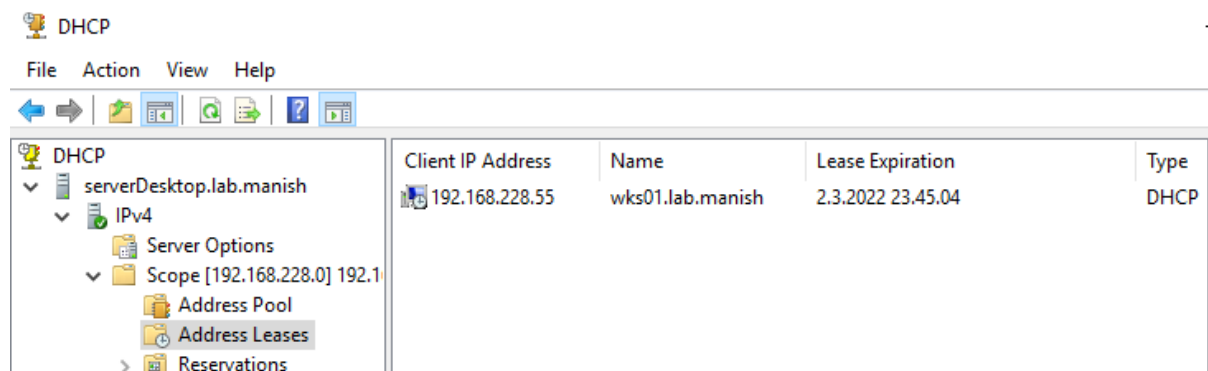We can see that from the DHCP manager as well

Figure2: DHCP Server address leases showing the lease for Windows 10 VM (from DHCP manager)

The wks01 has joined the domain lab.manish as we can see in the screenshot below. And after configuring the DNS server, the serverCore joined the domain as well. Computer objects have been created for both serverCore and wks01 in the domain.
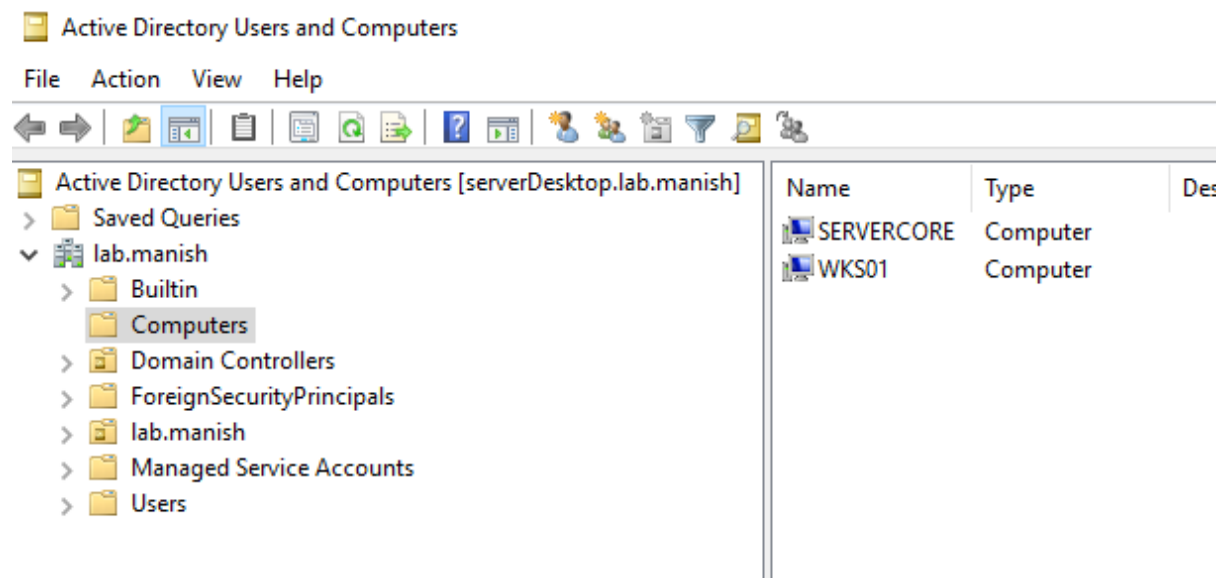

Figure3: Windows 10 and Windows Server computer accounts in the domain

Also, we can see *wks01* has been dynamically added to the DNS records.