

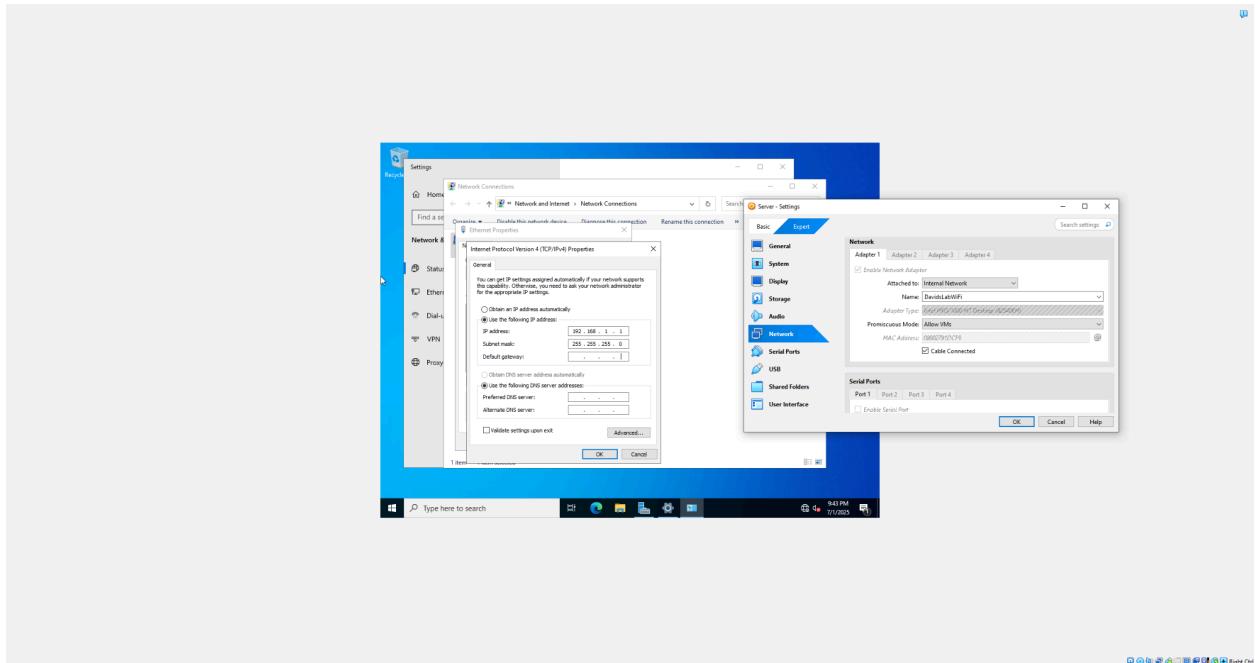
# Active Directory Startup

**Objective:** The goal of this setup is to create an Active Directory environment using VirtualBox, with one virtual machine acting as a domain controller and two Windows PCs connected to the domain. This will help simulate setting up a small enterprise company with active users. Remote Server Administration Tools (RSAT) will be installed on both PCs to allow for remote management of the domain. This adds redundancy so that Active Directory can still be managed even if direct access to the server is unavailable.

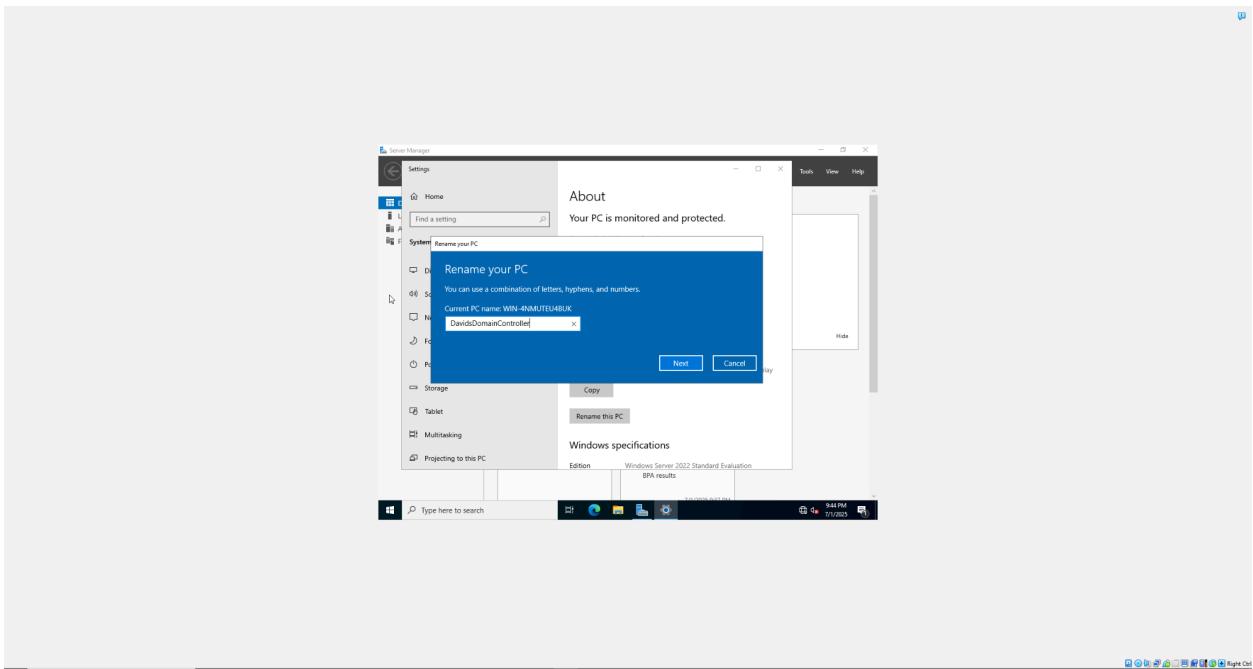
**Equipment:** Virtual box, Windows Server 2022, (2) Windows 10

## Steps:

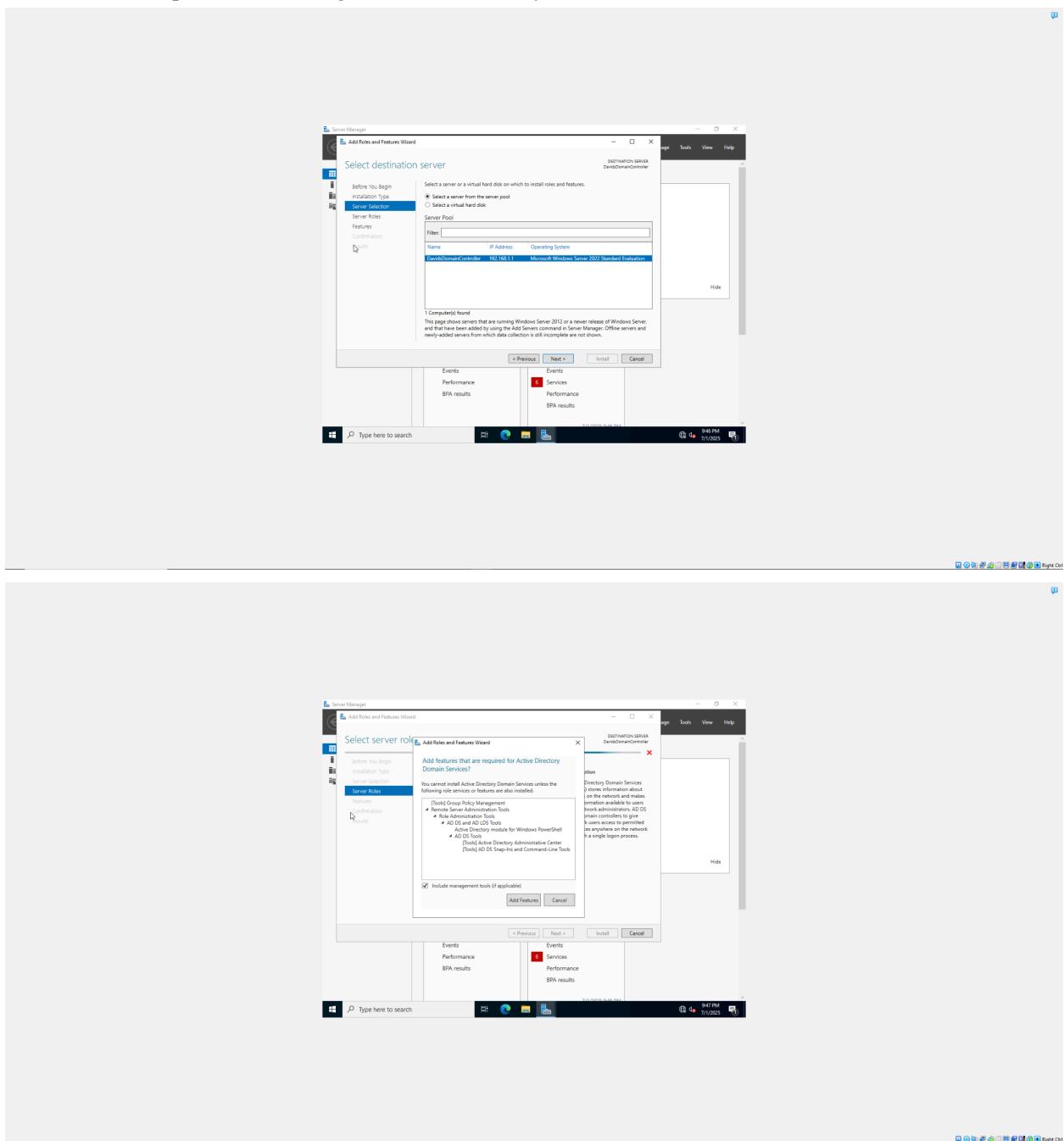
1. Assign a Static IP address to the Windows 2022 Server



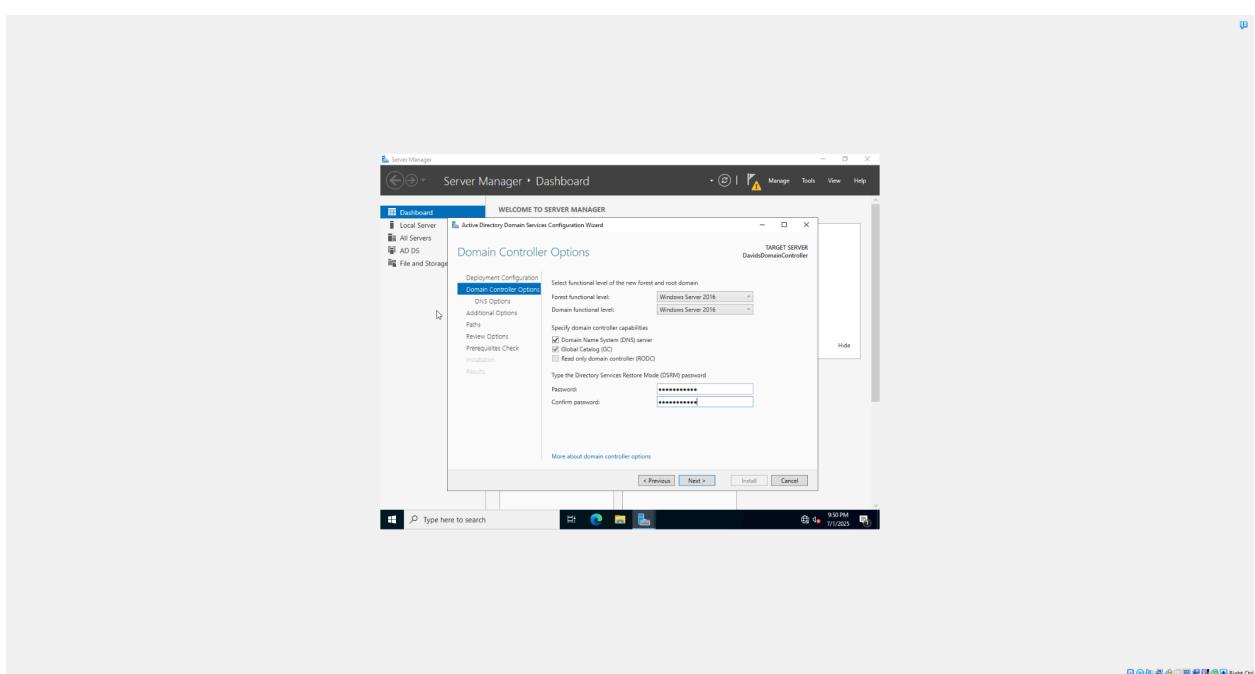
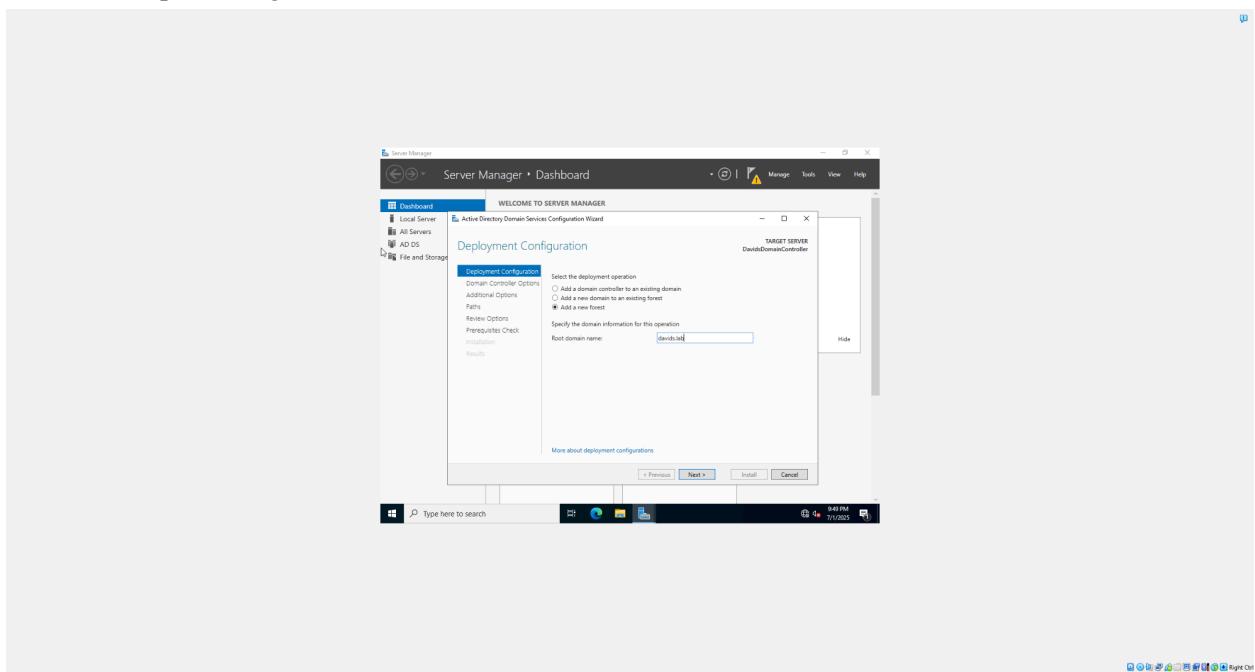
2. Rename the Windows 2022 PC to something easier to identify

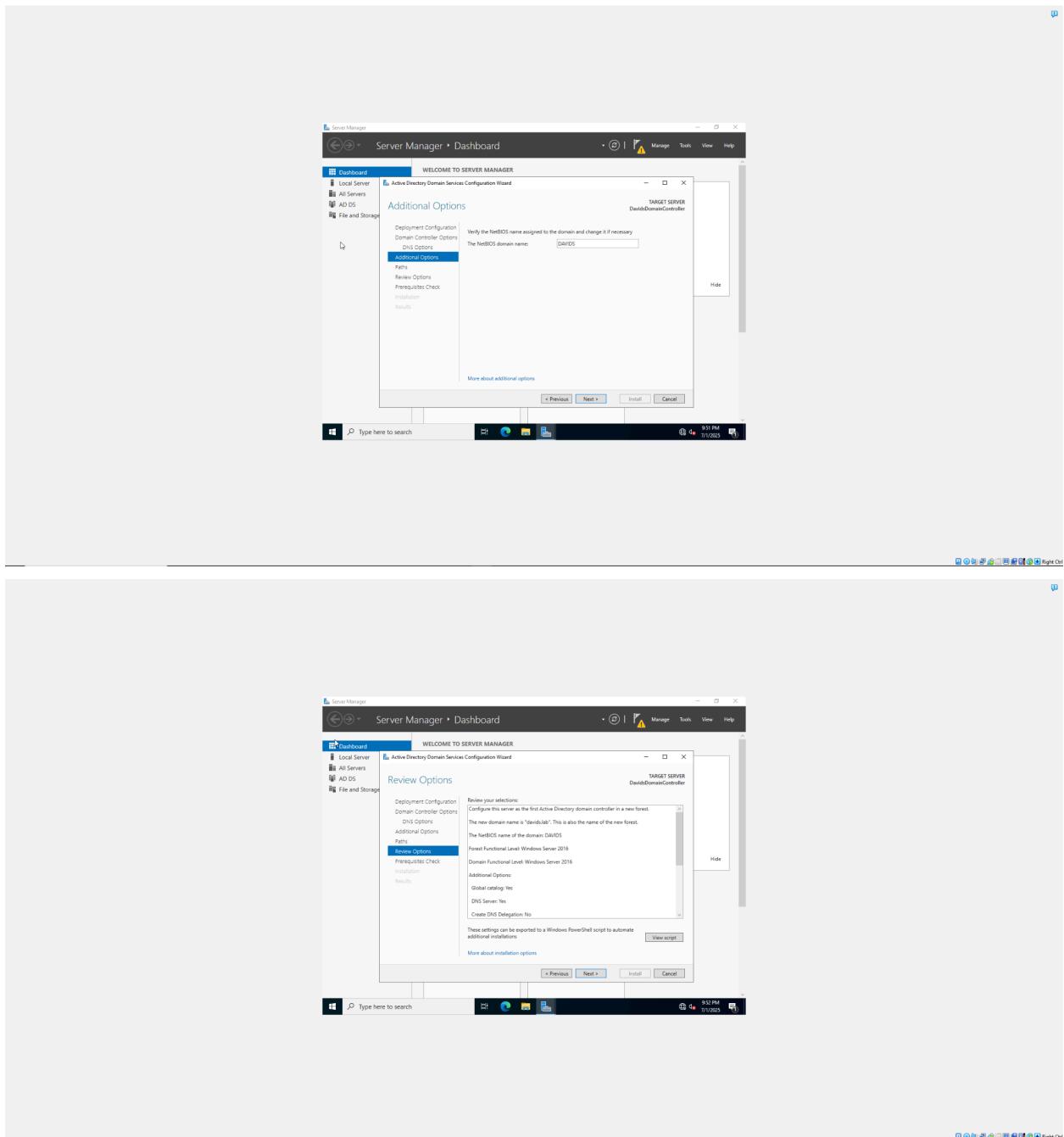


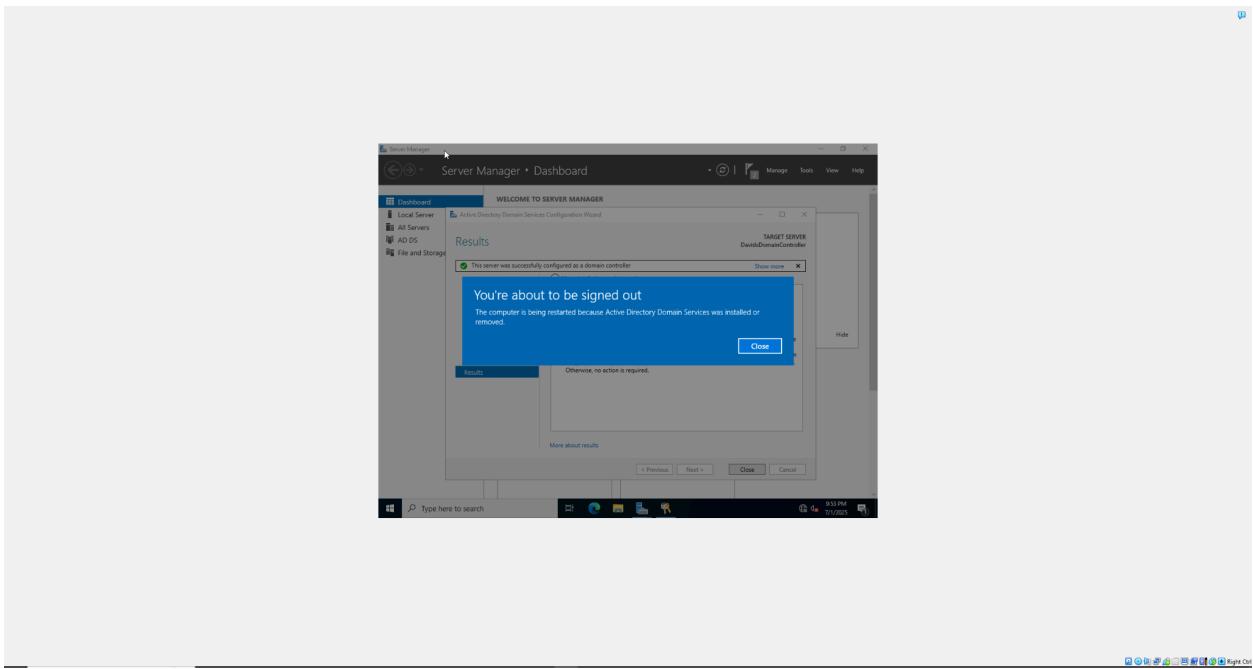
### 3. Start the process of adding the active directory domain services



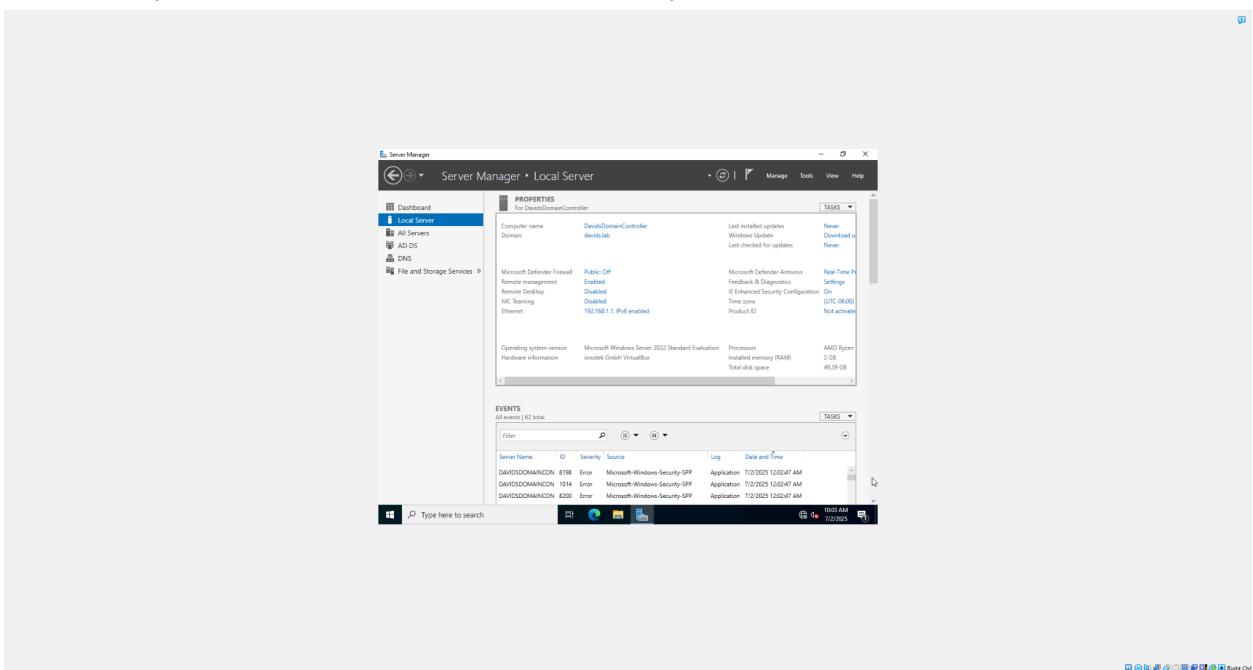
4. Start promoting the windows 2022 server as the domain controller



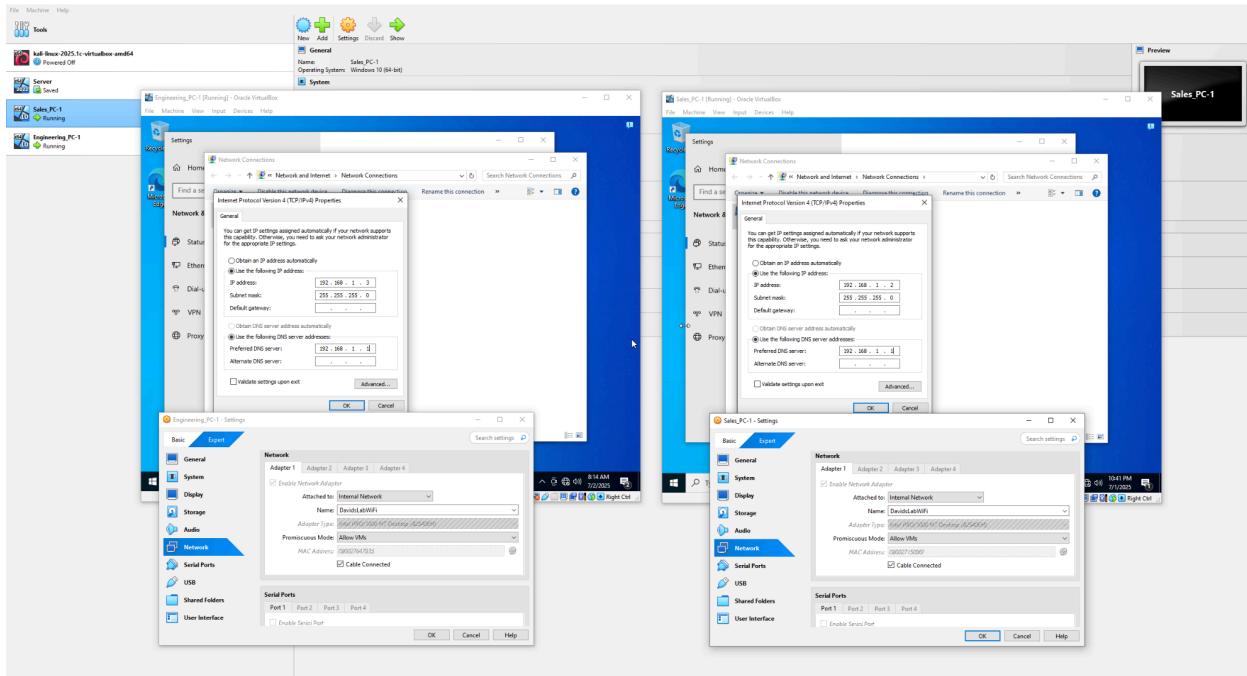




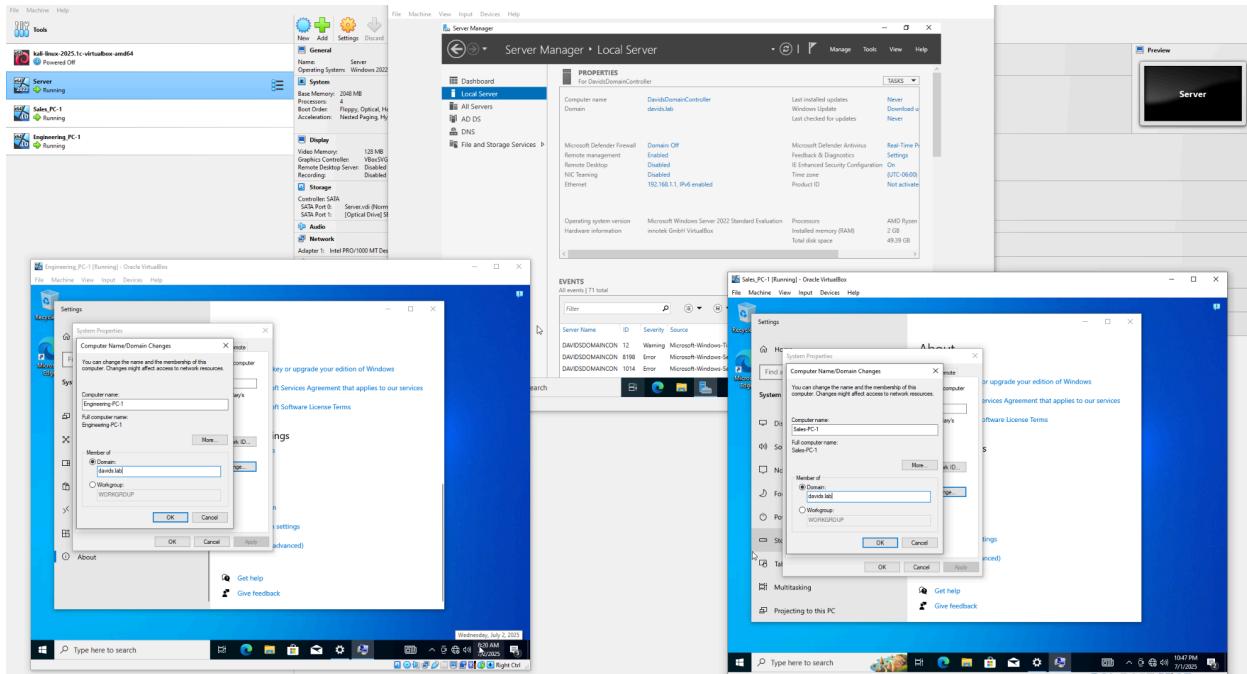
## 5. Verify that the domain controller was successfully created



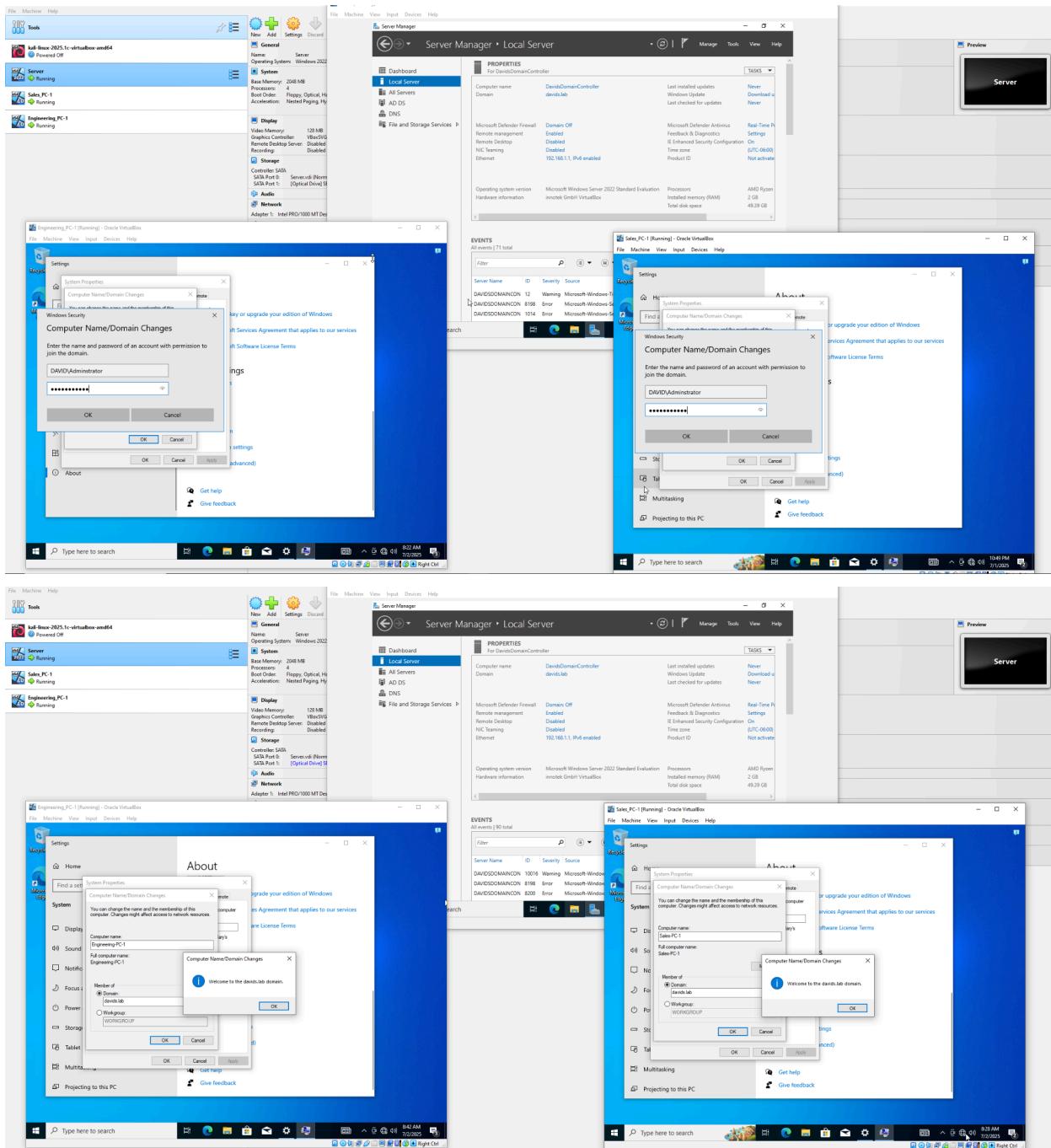
6. I proceed to set up 2 VMs that ran on Windows 10 OS, one consisted of a Sales PC and the other consisted of an Engineering PC, I decided to assign static IP addresses for easier connectivity



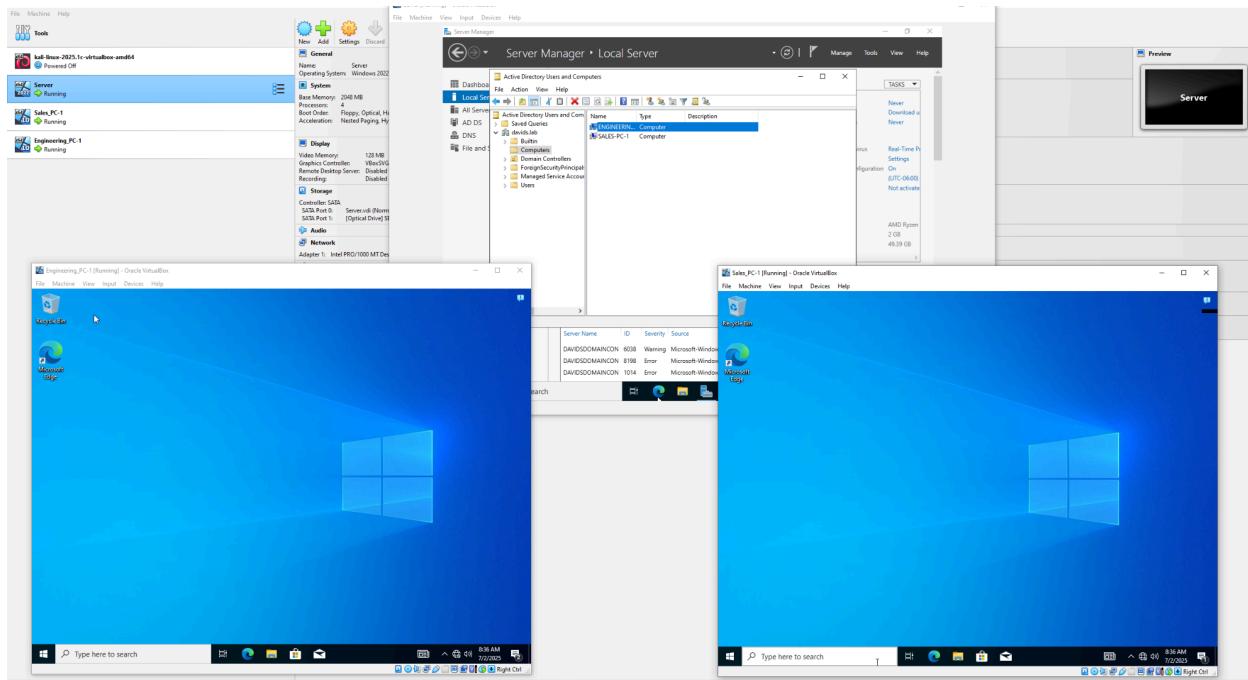
7. I start adding my VMs to the domain I had created



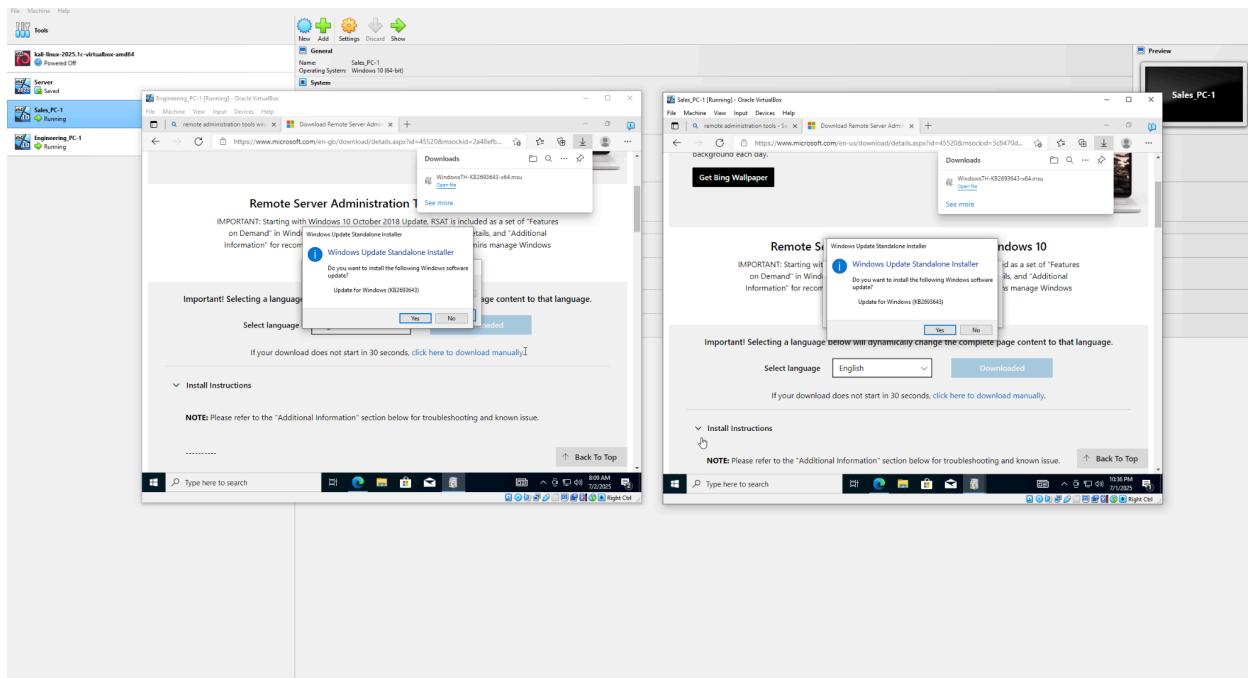
## 8. I use the credentials that I had created to sign into the domain

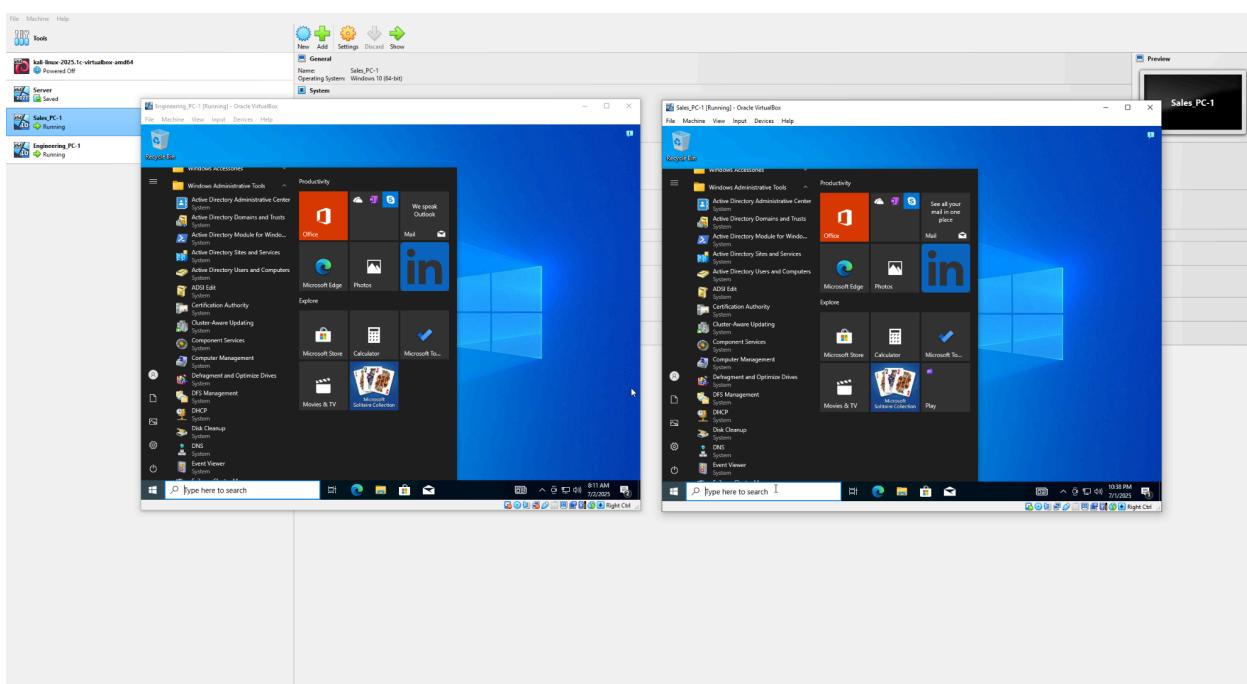
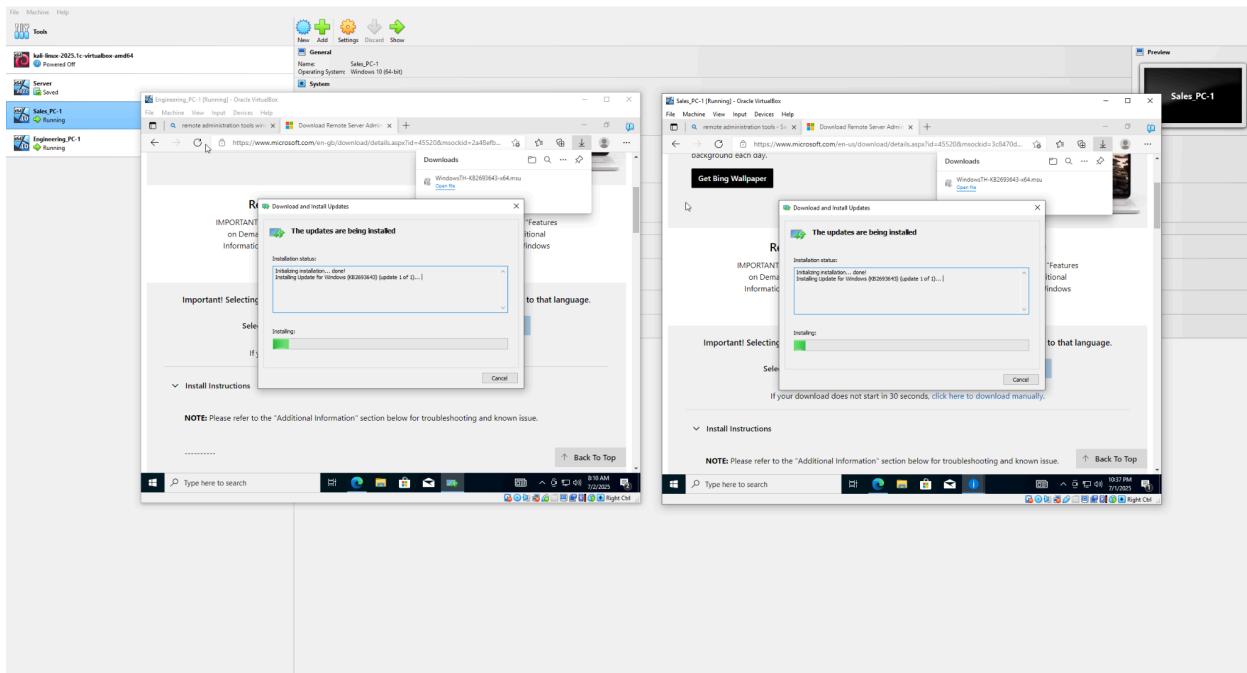


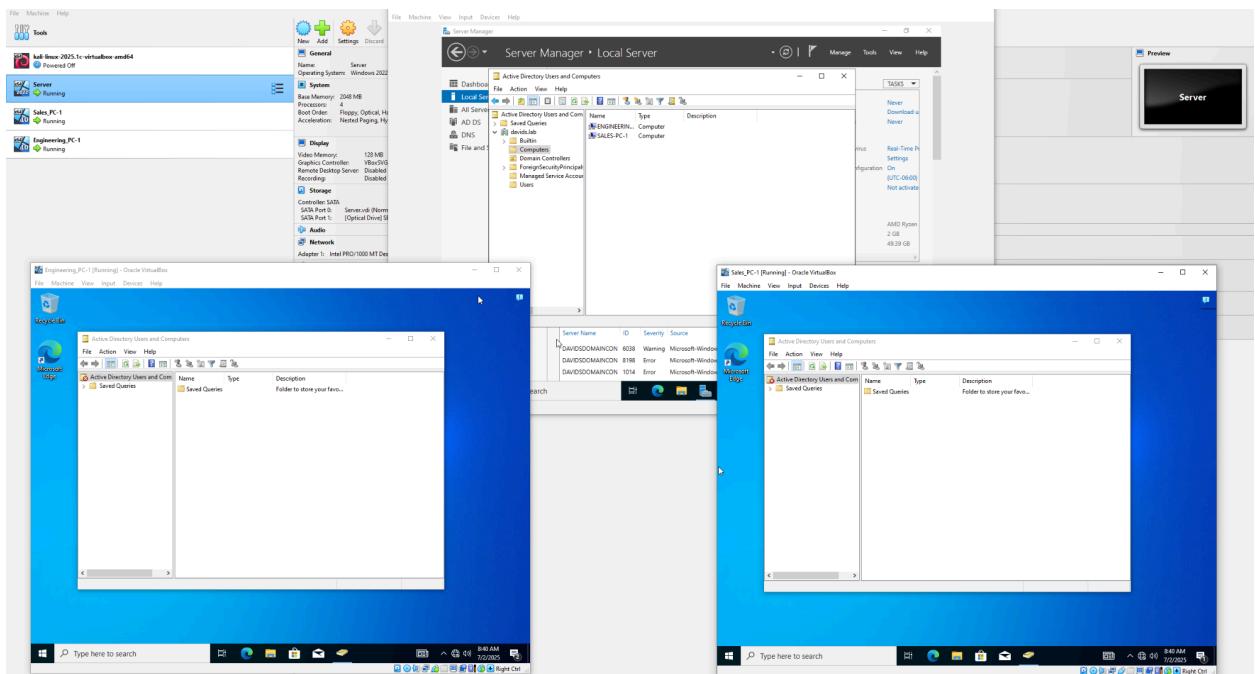
## 9. Verify that both PCs have joined the domain



## 10. I install Remote Server Administrator tools on both PCs







- Sign into the Administrator Account on one of the PCs that is part of the domain to verify RTS is working properly

