Waiting Room:

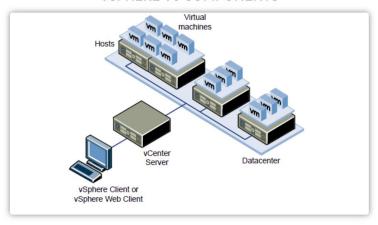


Lab Experiment 2. Installation and Configuration of Vcenter Server

VCLIVIER O OVERVIEW
vCenter Server unifies resources from individual hosts so that those resources can be shared among virtual machines in the entire datacenter. It accomplishes this by managing the assignment of virtual machines to the hosts and the assignment of resources to the virtual machines within a given host based on the policies that the system administrator sets.

VCENTED 6 OVEDVIEW

VSPHERE V6 COMPONENTS



The above diagram shows how vCenter fits in the vSphere stack. With vCenter installed, you have a central point of management. vCenter Server allows the use of advanced vSphere features such as vSphere Distributed Resource Scheduler (DRS), vSphere High Availability (HA), vSphere vMotion, and vSphere Storage vMotion.

The other component is the vSphere Web Client. The vSphere Web Client is the interface to vCenter Server and multi-host environments. It also provides console access to virtual machines. The vSphere Web Client lets you perform all administrative tasks by using an in-browser interface.

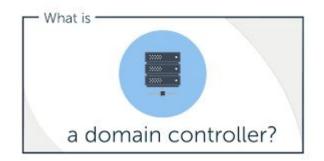
vCenter Server is an application that enables you to manage your vSphere infrastructure from a centralized location. It acts as a central administration point for ESXi hosts and their respective virtual machines.

vCenter Server can be installed on a supported version of Windows or you can use a preconfigured Linux version known as vCenter Server Appliance. vCenter Server is required for some advanced vSphere features, such as vSphere High Availability, vSphere Fault Tolerance, vSphere Distributed Resource Scheduler (DRS), VMware vSphere vMotion, and VMware vSphere Storage vMotion.

A single vCenter Server instance can support a maximum of **1,000** hosts, **10,000** powered-on virtual machines and **15,000** registered virtual machines.

[Prerequisite for Installation]

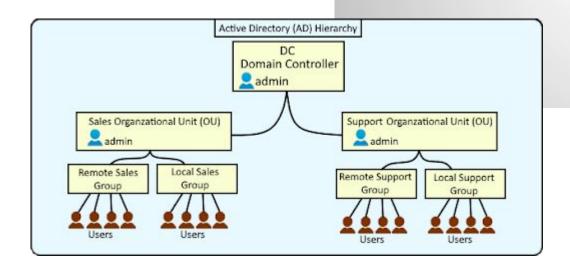
Quick Overview of Domain Controller



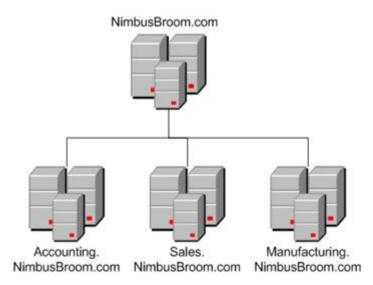
Windows Domain Controller

Directory Service called "Active Directory Users and Computers"









Steps to Configure [Vcenter Server]

Before that, First we need to create

Domain

Steps:

Following Steps: Create and Configure Window 2012 r2 Server Virtual Machine [Inshort Create a Domain for installing Vcenter Server]

Demo System Requirement: VM - min 1 GB RAM

Following Tasks

Change the Destination server name - For Example CSSP_Server

Assign Manual IP Address: For Example **192.168.1.10** 255.255.255.0

Next

Configure ADDS [Active Directory Domain Service] : Add a new forest - For Example ashwini.com (Domain name)

Configure the admin password for ADDS

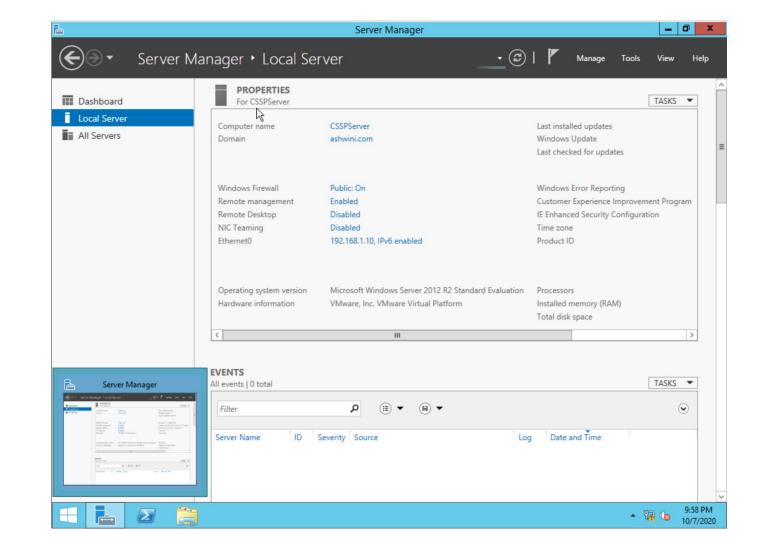
Once the ADDS is properly configured then time to configure DNS

Configure the DNS server [Add a new primary zone] for newly created domain.

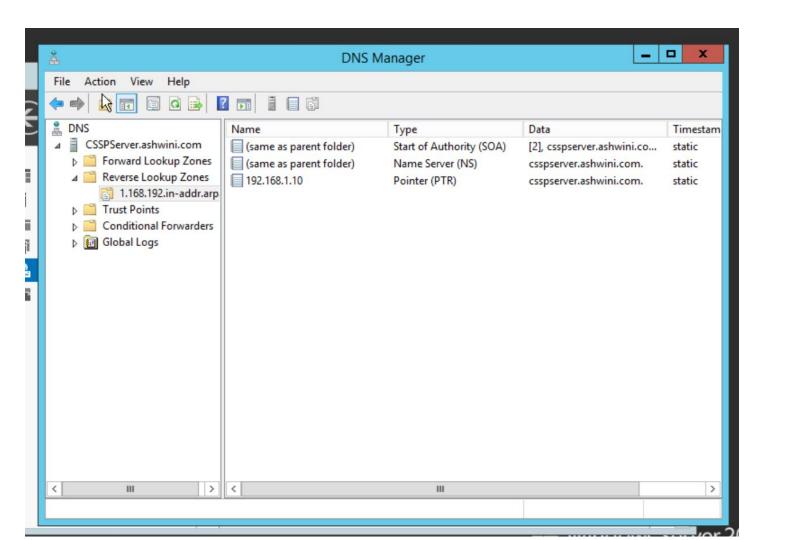
Turn off the firewall settings

#ADDS and DNS is successfully installed and Configured !!!!!! [Example shown in below snapshot]

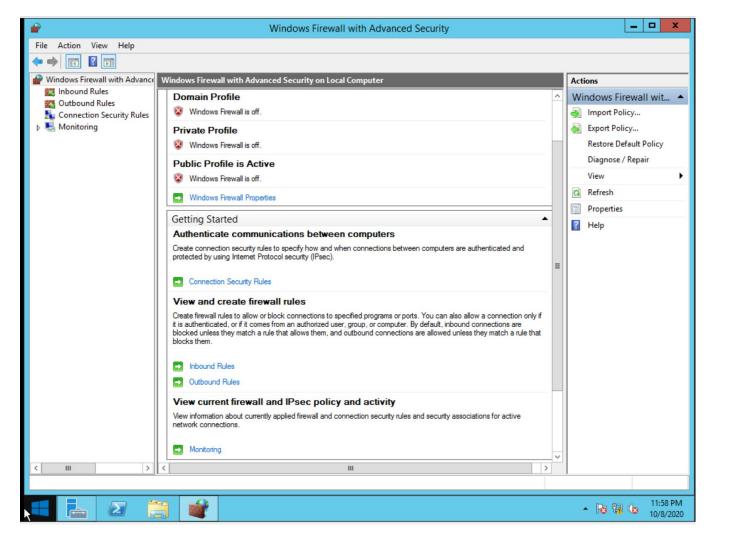
ADDS



DNS



Firewall Setting ...



Time to Create a New VM [Window 2012 R2 Server] [For Installation of Vcenter Server]

Min RAM required 8 GB

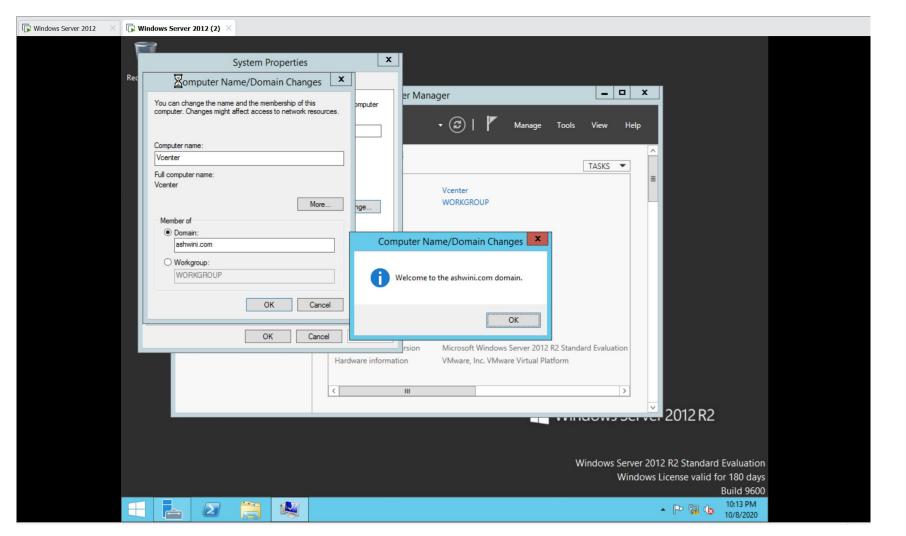
Steps

First Step - Change the Destination Server Name : For Example Vcenter Server

Assign Static IP Address:

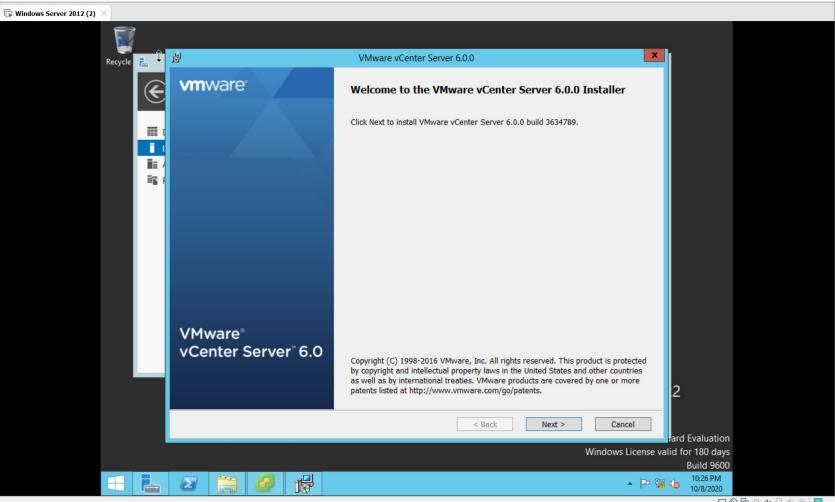
For Example 192.168.1.20 255.255.255.0 and Primary DNS: 192.168.1.10

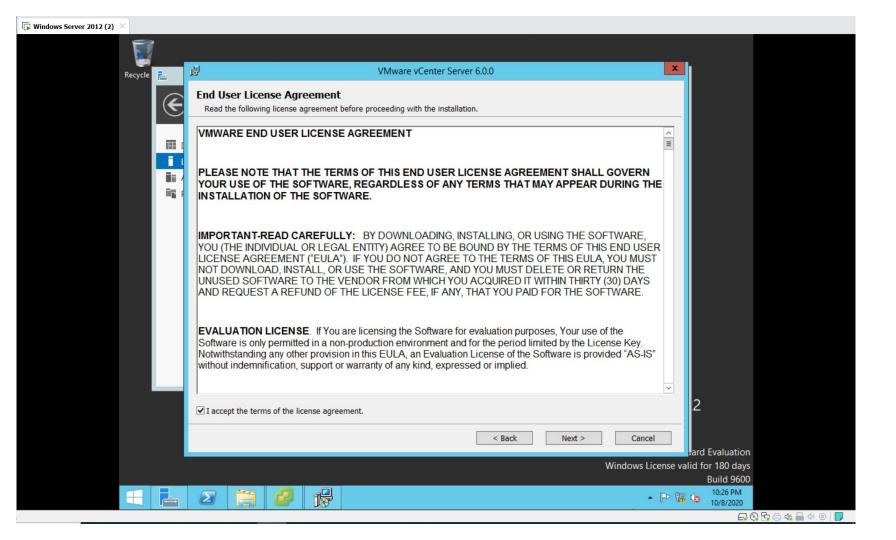
Add this Destination server as a member of Domain [ashwini.com]

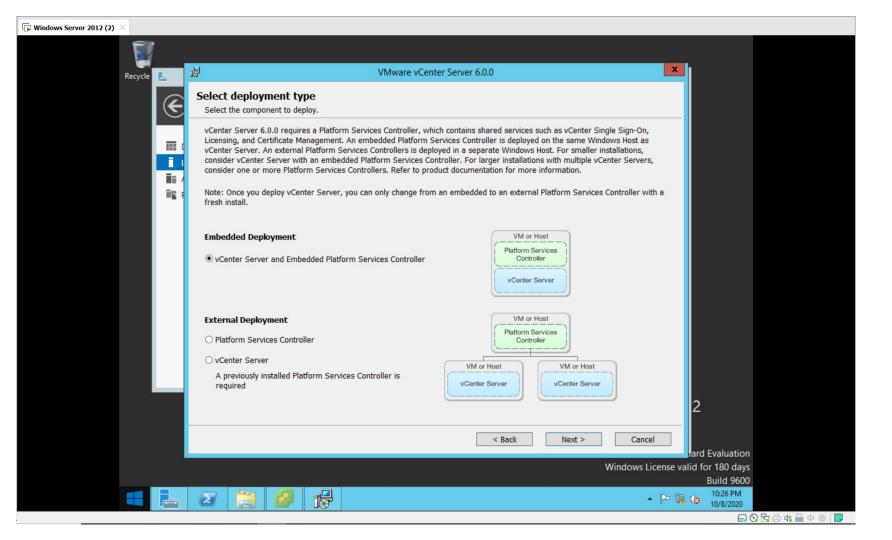


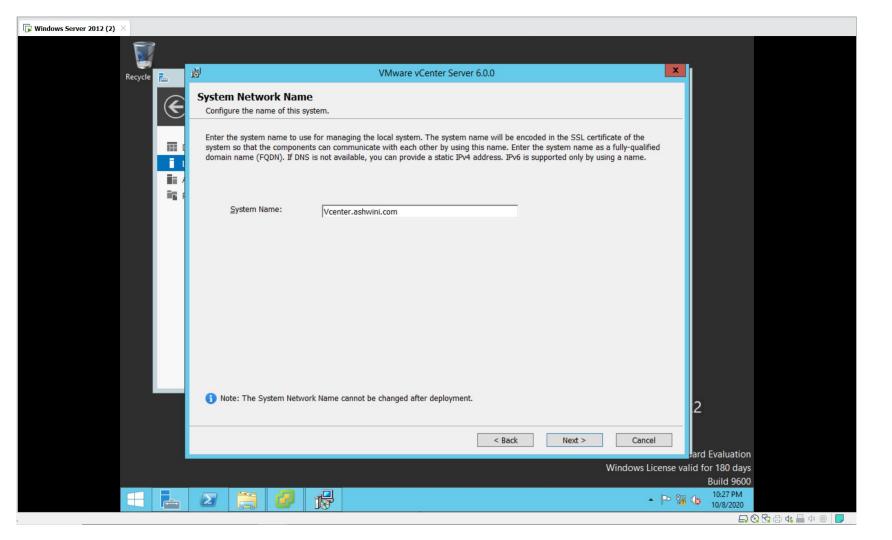
Mount the ISO image of Vcenter Server in Virtual CD/DVD Drive

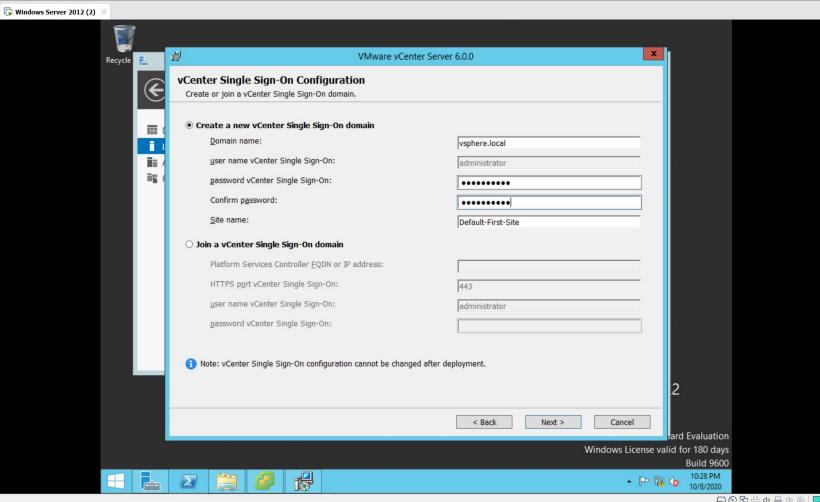
Start the installation steps of Vcenter

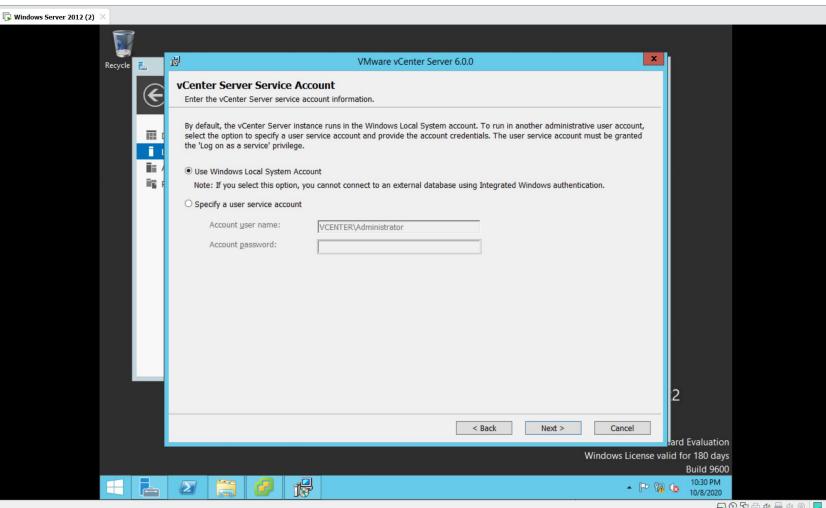


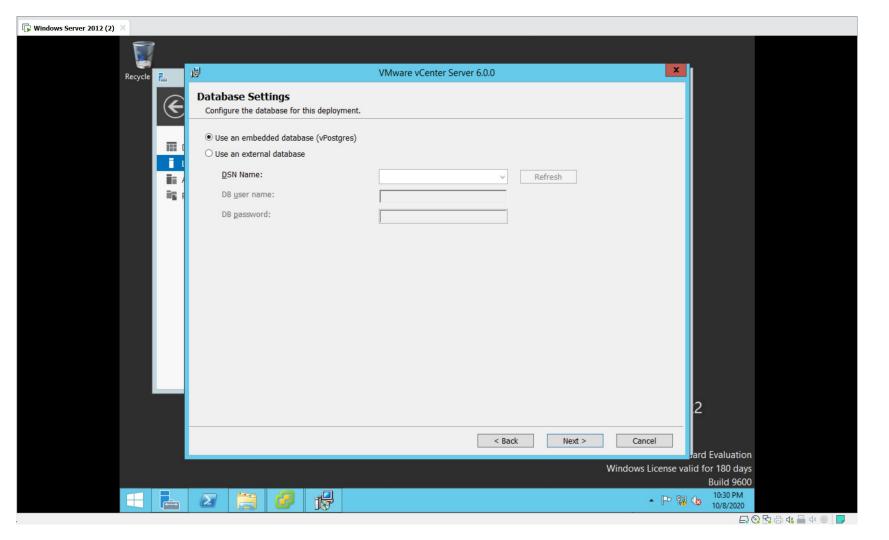


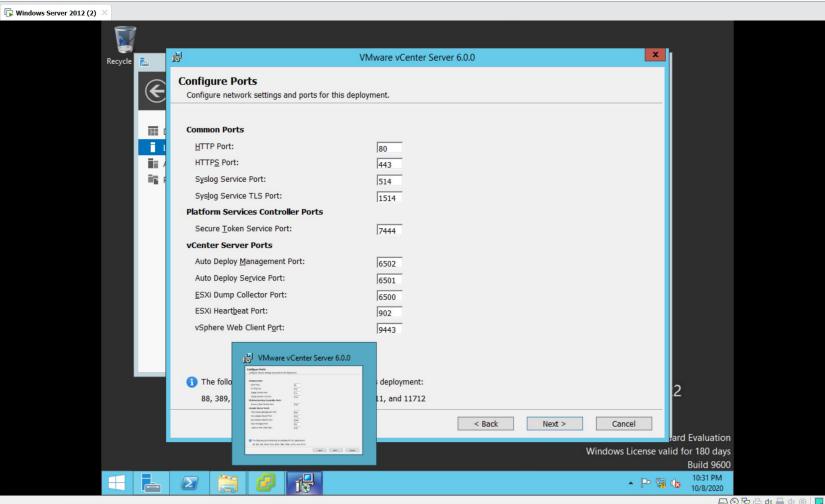


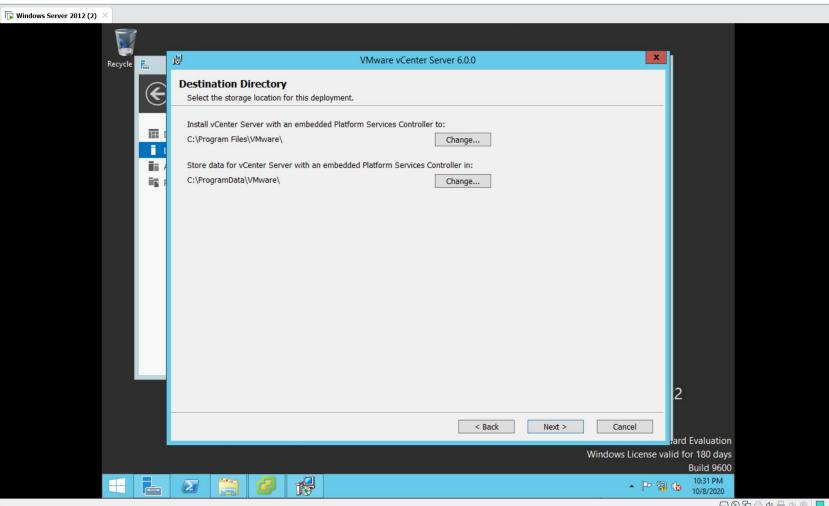


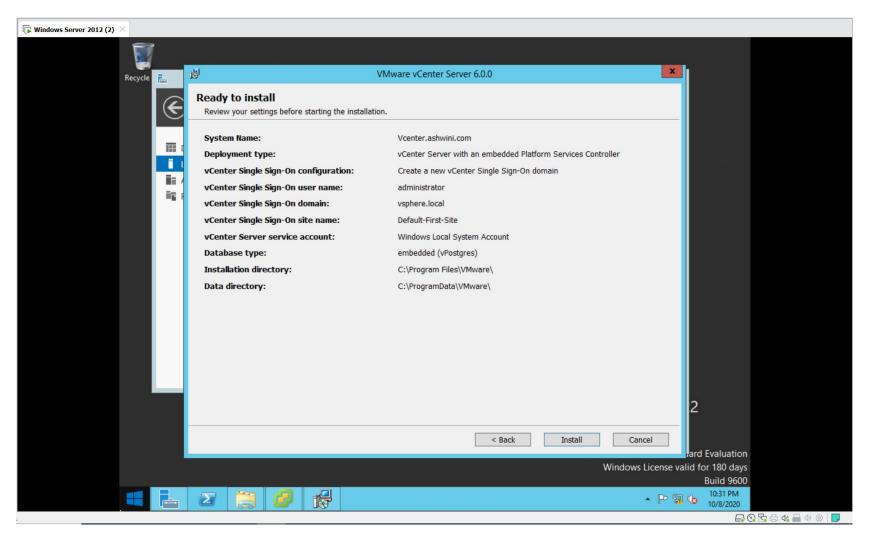


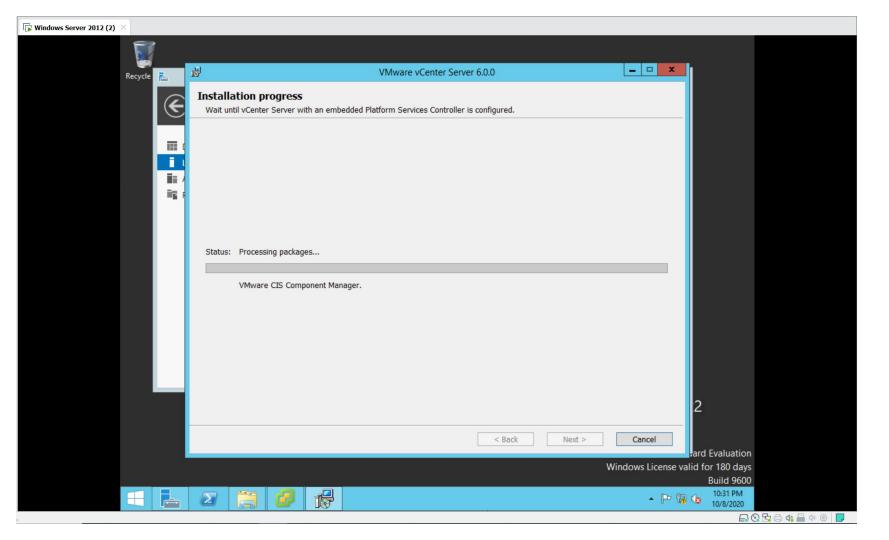


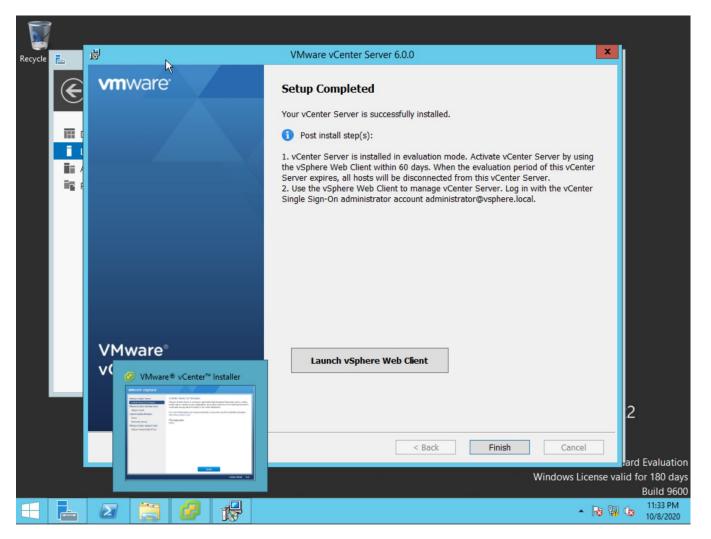






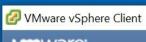






Installation Successfully Done !!!

Accessing Vcenter Server via Vsphere Client



vmware

VMware vSphere[™] Client





All vSphere features introduced in vSphere 5.5 and beyond are available only through the vSphere Web Client. The traditional vSphere Client will continue to operate, supporting the same feature set as vSphere 5.0.

To directly manage a single host, enter the IP address or host name. To manage multiple hosts, enter the IP address or name of a vCenter Server.

192.168.1.20

IP address / Name:

vsphere.local\Administrator

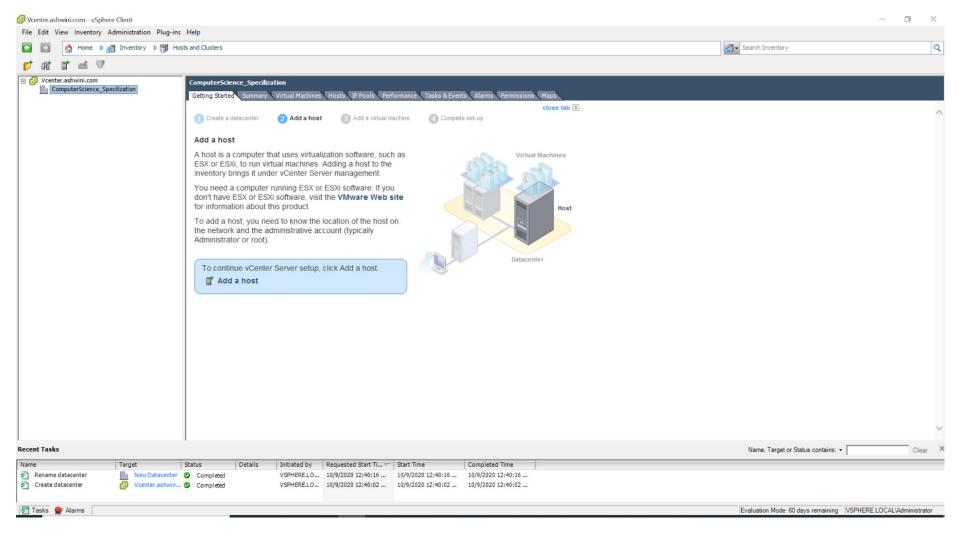
User name:

******** Password:

Use Windows session credentials

Login

Close



Done!!