

## Active Directory Lab #1 Install and Deploy an Active Directory

### **Objective:**

The objective of this laboratory is to remember how to deploy an Active Directory Domain Services and elevate a computer to a Domain controller

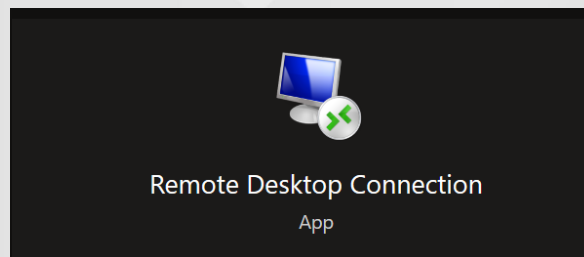
### **Task 1: Create an Azure computer**

1. Refer to the Azure Handbook to create an Azure VM (you can find it in your Moodle course)

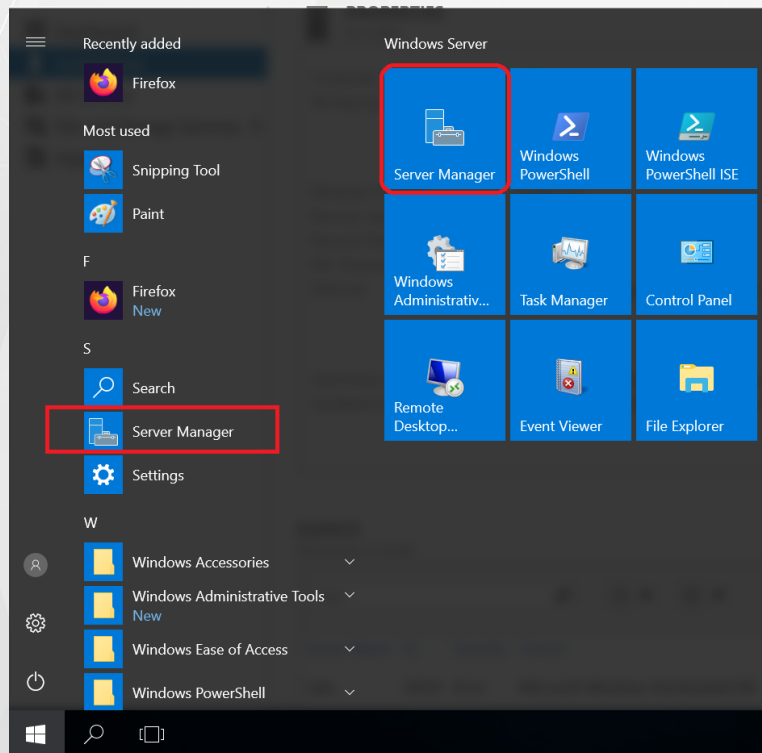


### **Task 2: Prepare the Server**

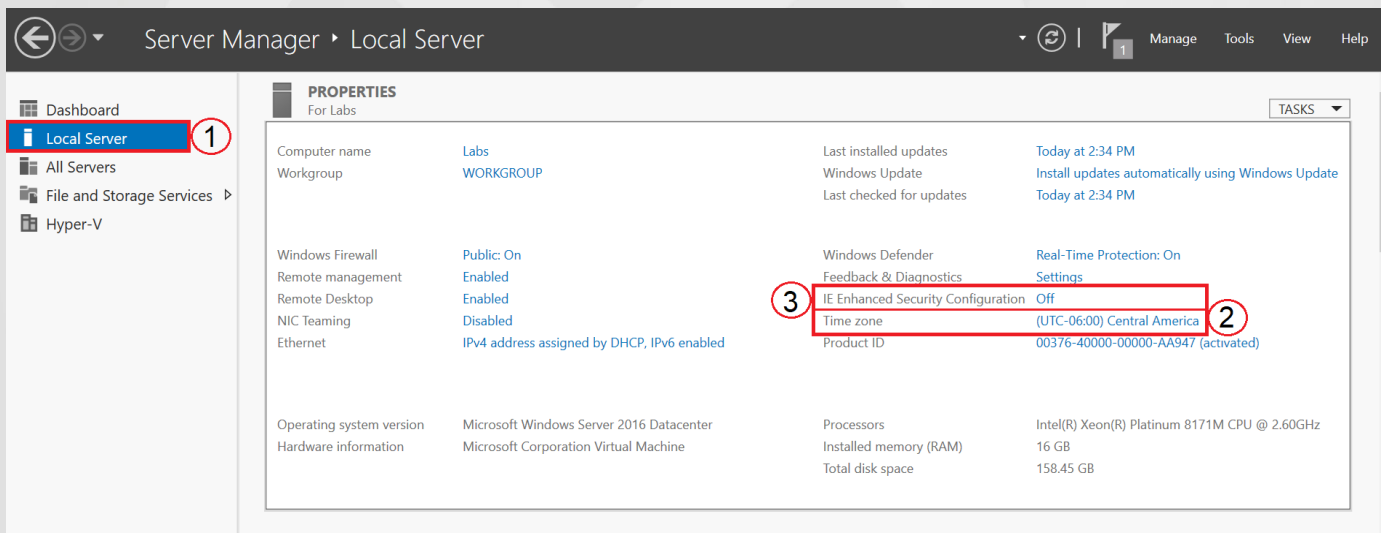
1. Go to the Azure VM, get the Public IP and Login via the Remote Desktop Connection tool to the VM



## 2. Go to server manager

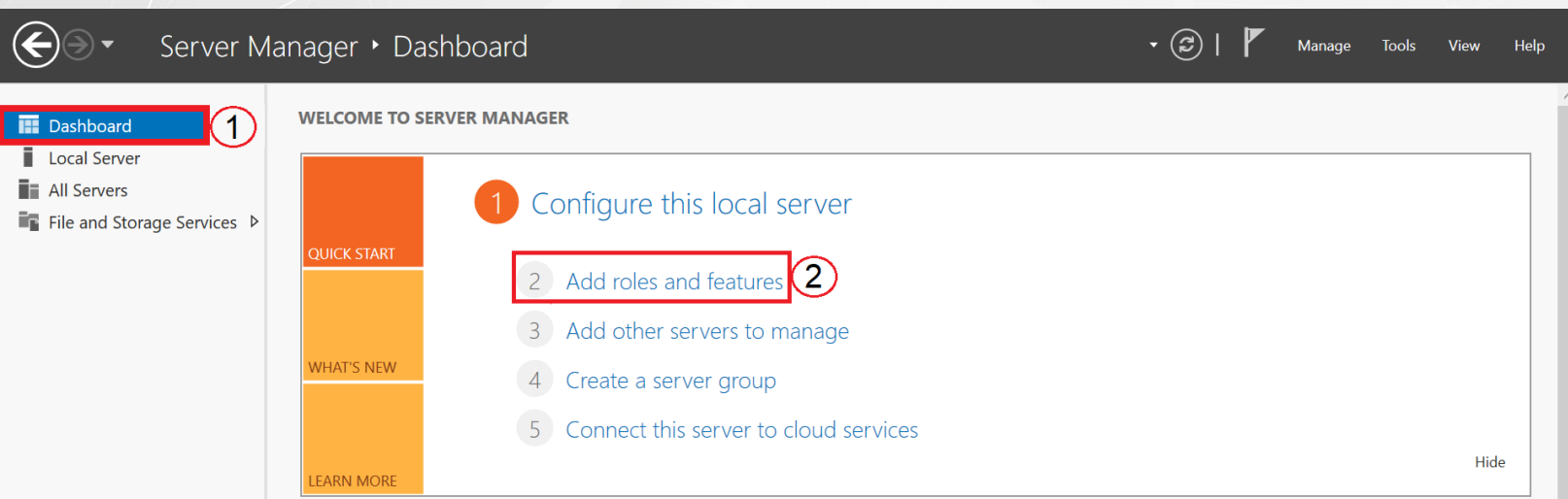


## 3. Go to Local Server (1), change the time zone to UTC-6:00 (2) and disable IE Enhanced Security Configuration (3) (disable both options)

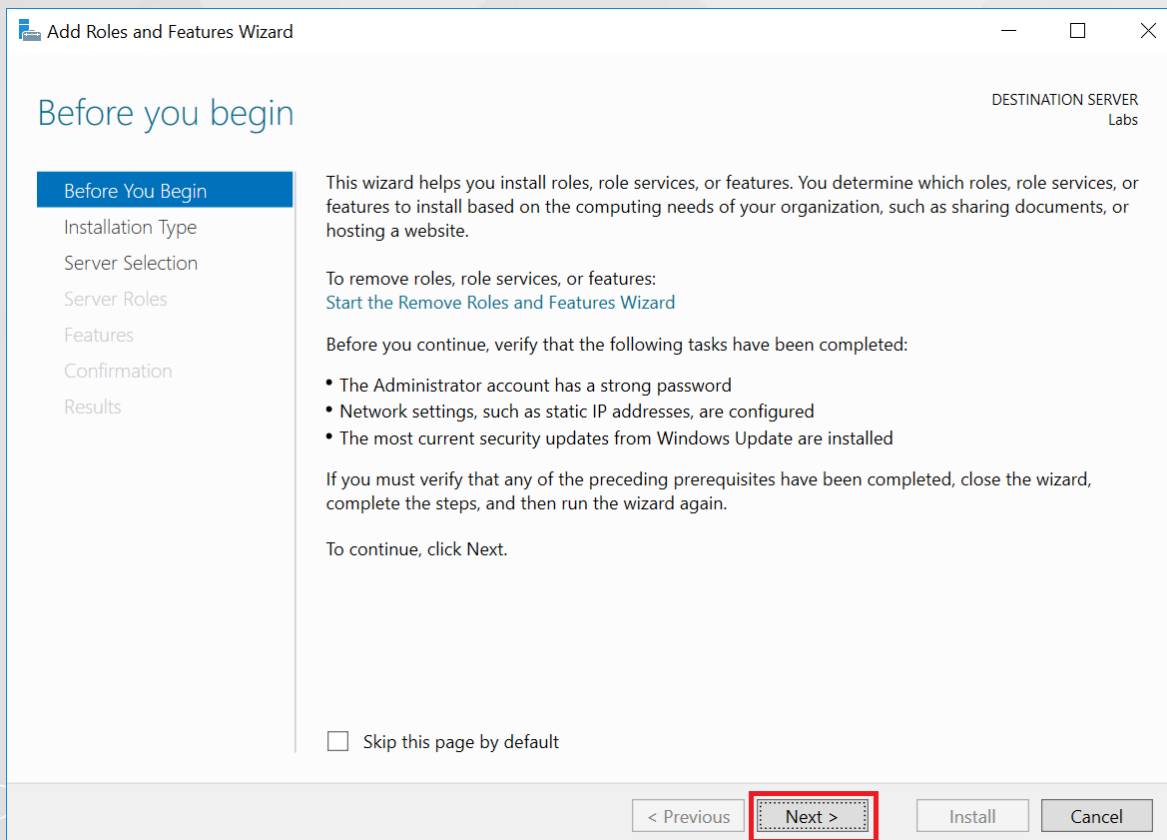


### Task 3: Activate the Hyper-V Role and create a VM in Hyper-V

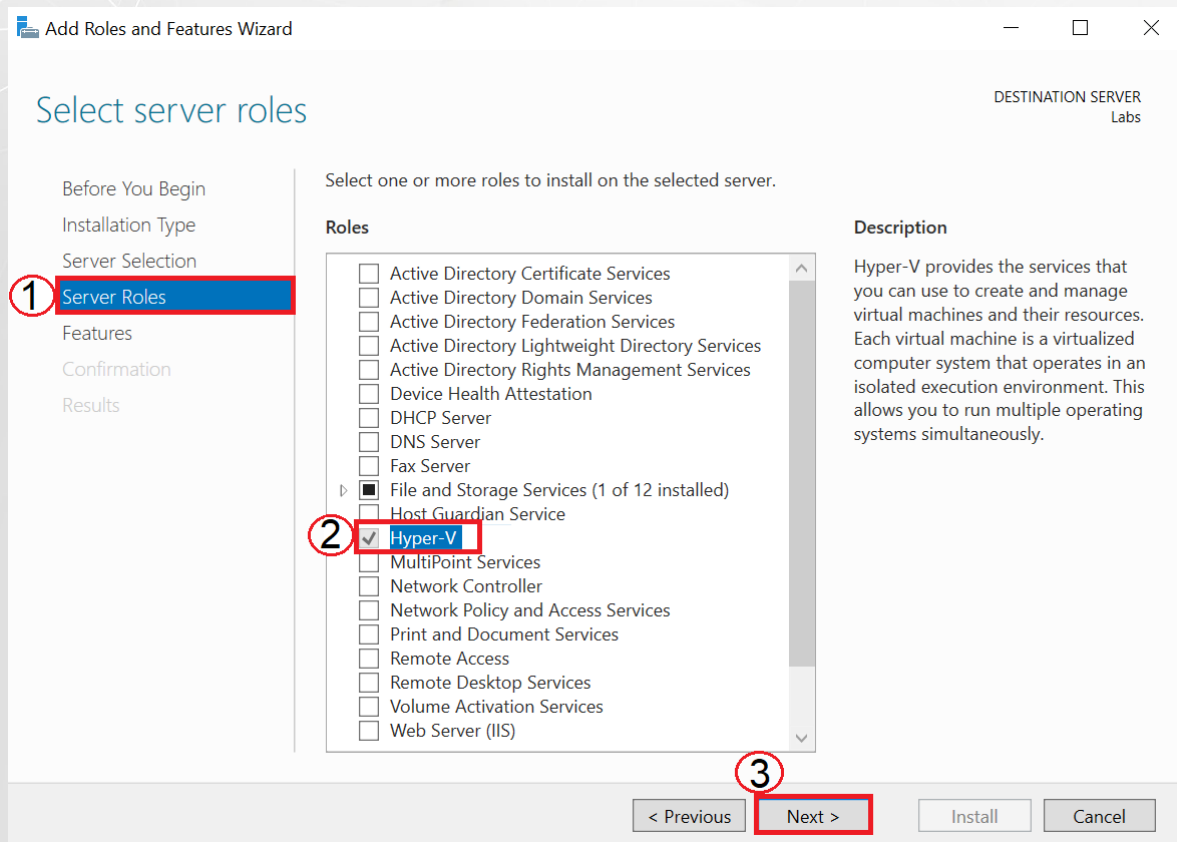
1. Go to the dashboard in the Server Manager (1), Select the option 2 Add roles and features (2)



2. When the pop-up window appears, click next till the Server Roles option



3. When you get into the Server Roles window (1), choose the Hyper-V option (2), and click next (3)



4. Click next and accept all the options until the Results window and then restart the azure VM

#### Task 4: Create a Hyper-V VM

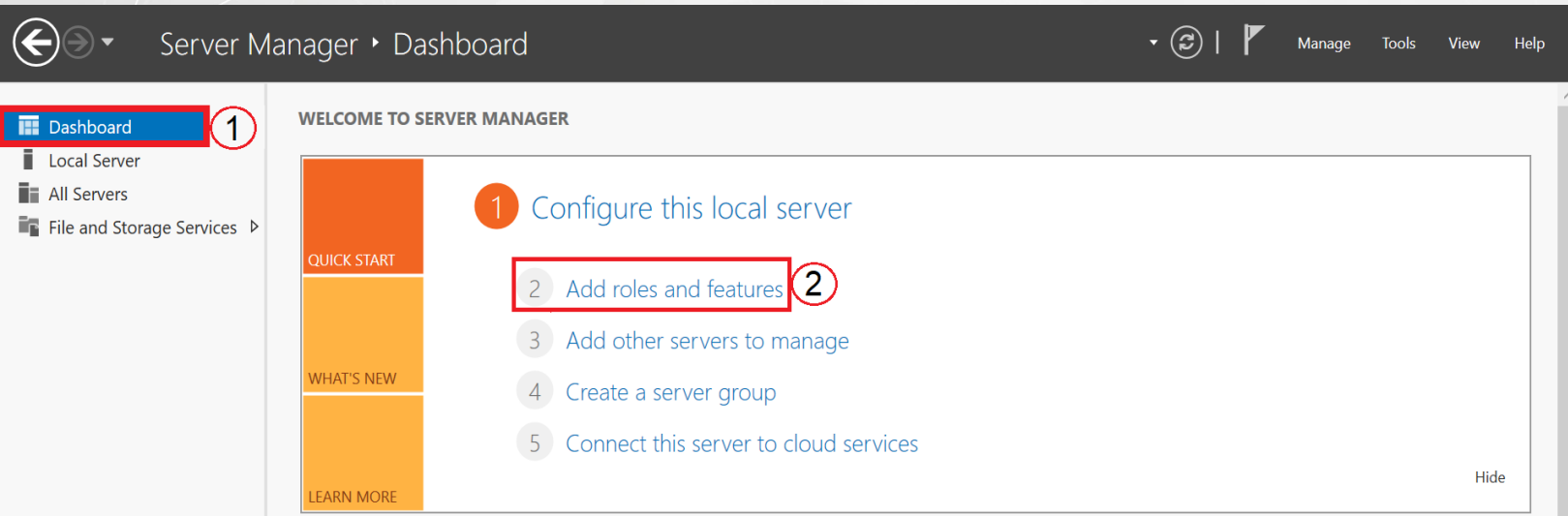
1. Refer to the Hyper-V Handbook to create a Hyper-V VM (you can find it in your Moodle course)



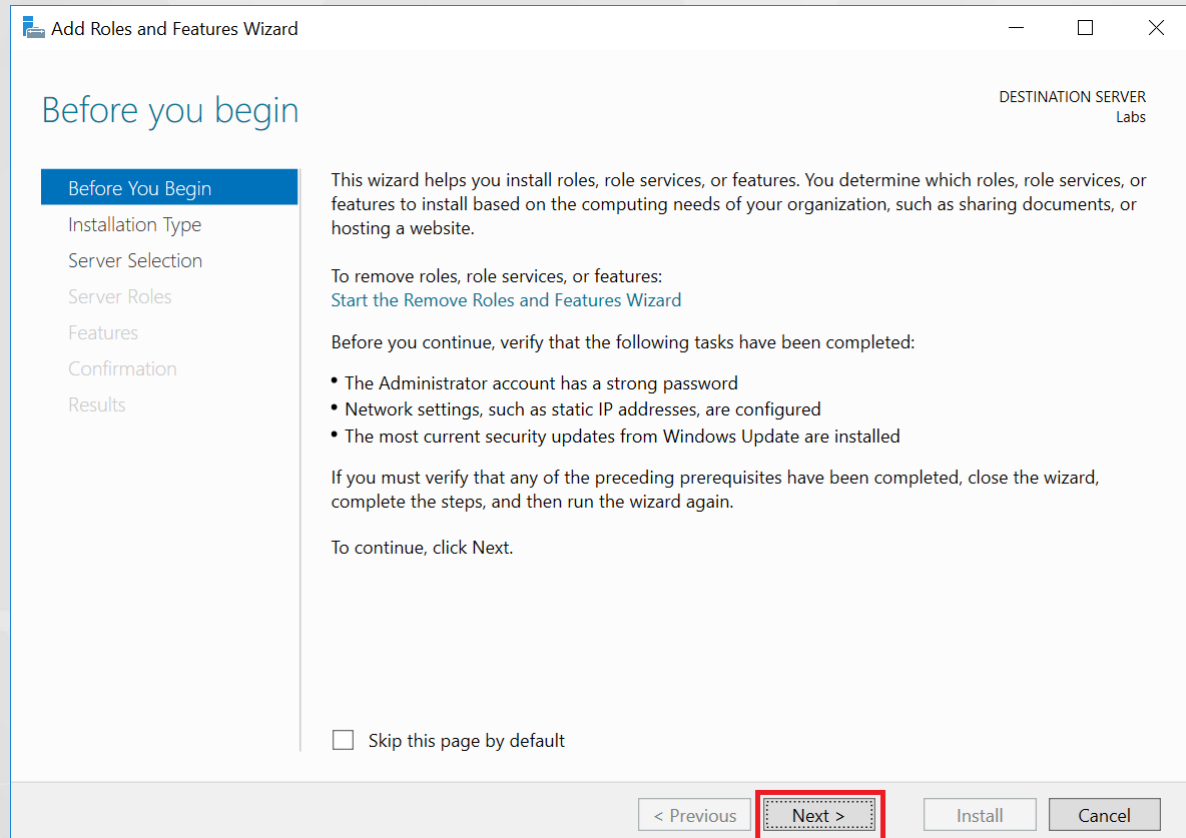
Virtual Machines						
Name	State	CPU Usage	Assigned Memory	Uptime	Status	Configurati
CRC-DC01	Running	0 %	2048 MB	01:00:40		8.0

## Task 5: Activate the ADDS Role and promote to Domain controller

1. Get Into the Hyper-V Virtual Machine (CRC-DC01)
2. Go to the dashboard in the Server Manager (1), Select the option 2 Add roles and features (2)

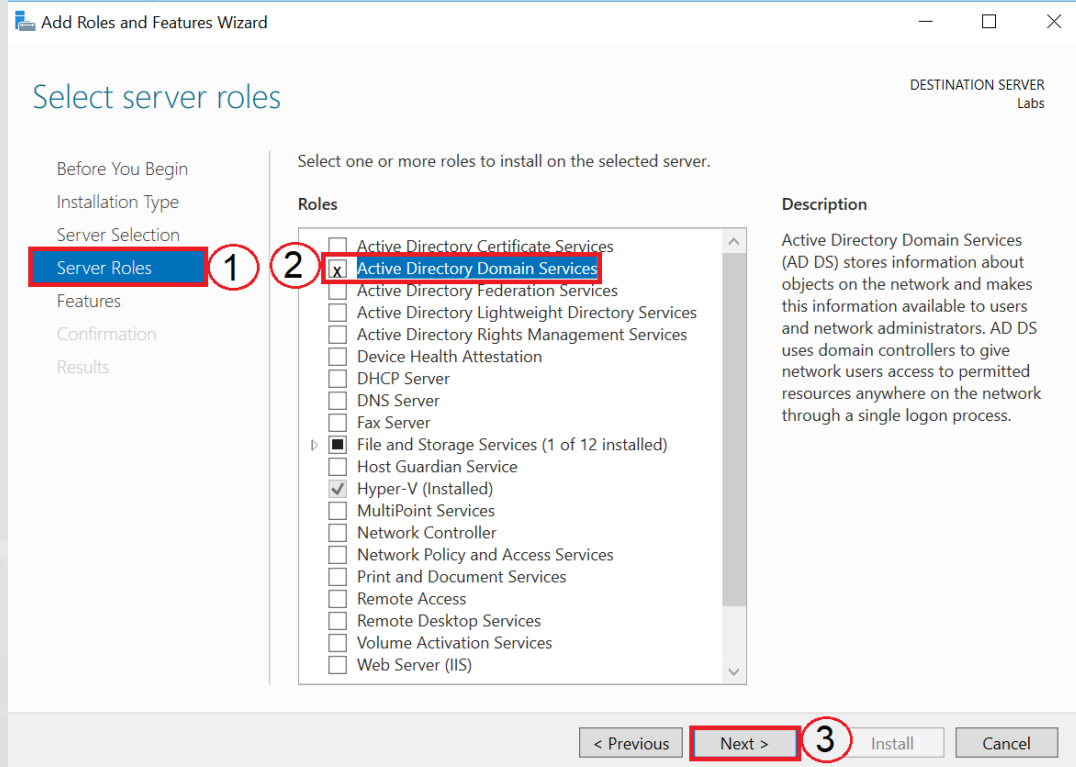
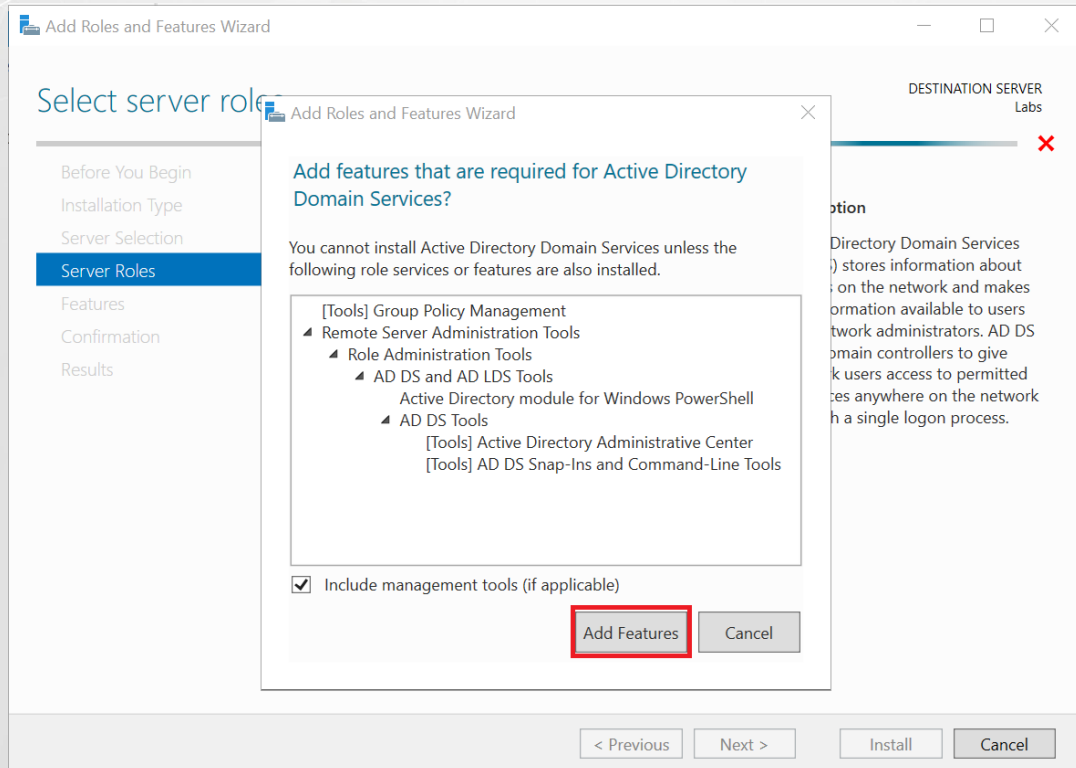


3. When the pop-up window appears, click next until the Server Roles option

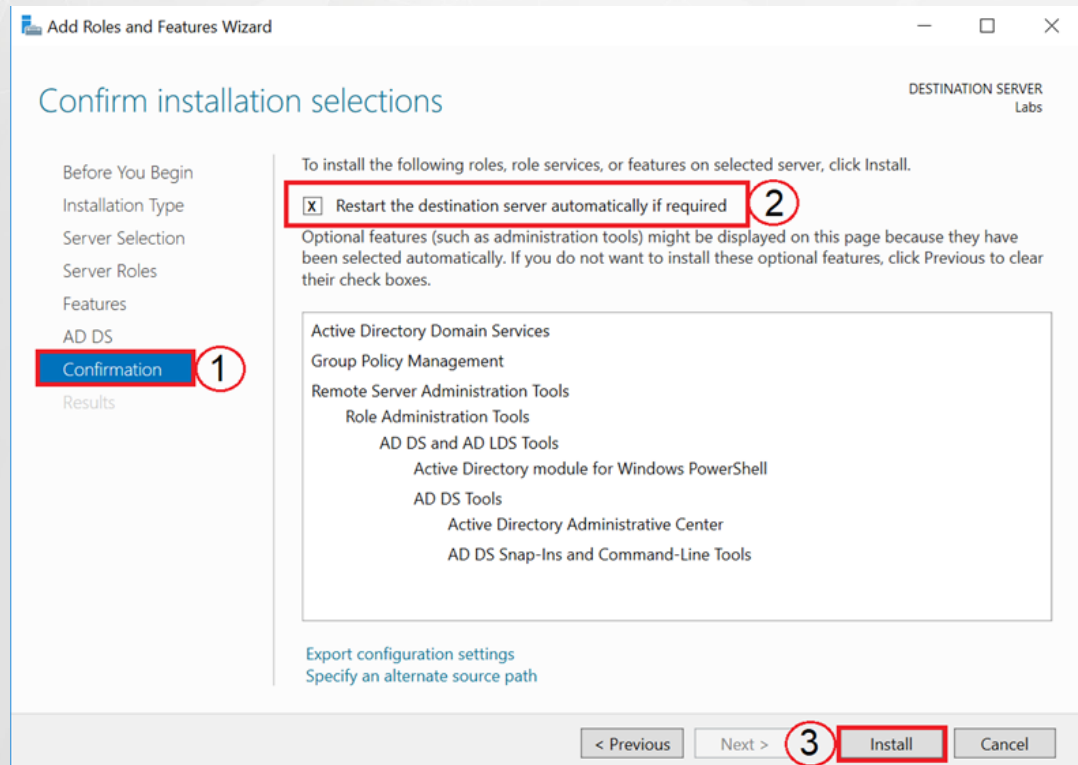




4. When you get into the Server Roles window (1), choose the Active Directory Domain Services option (2), when the pop-up window appears click in Add Features (following image) and then click in next (3)

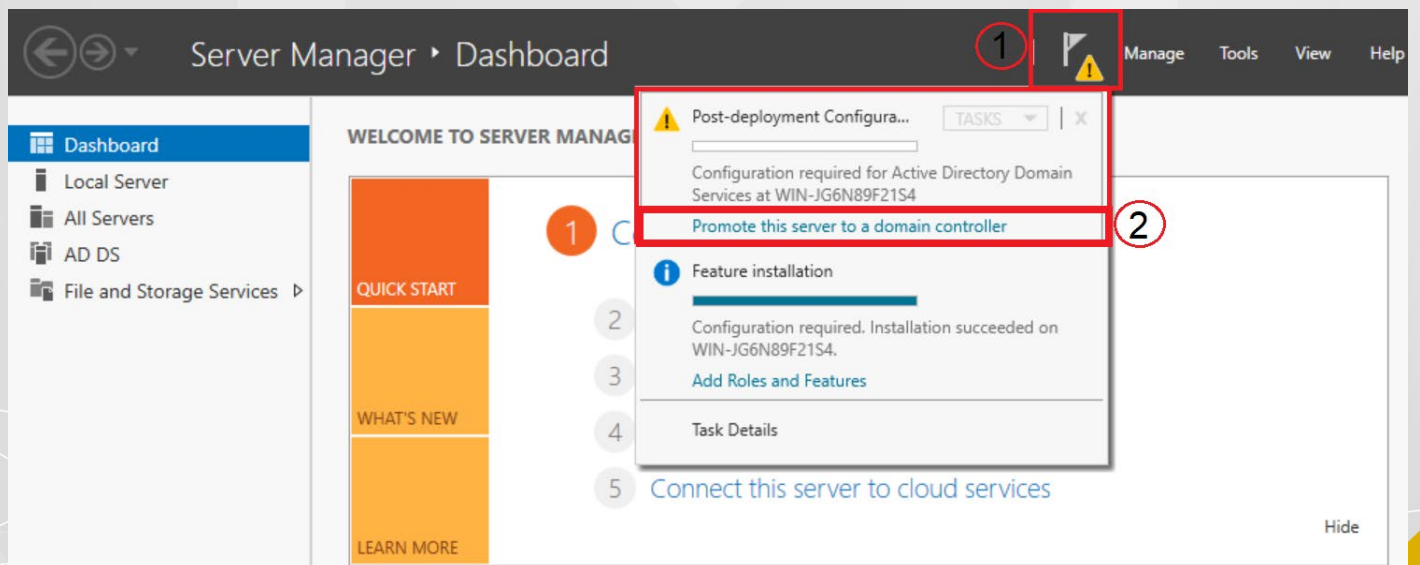


- Click next and accept all the options until the Confirmation window (1), click in the restart option (2) and then install (3).



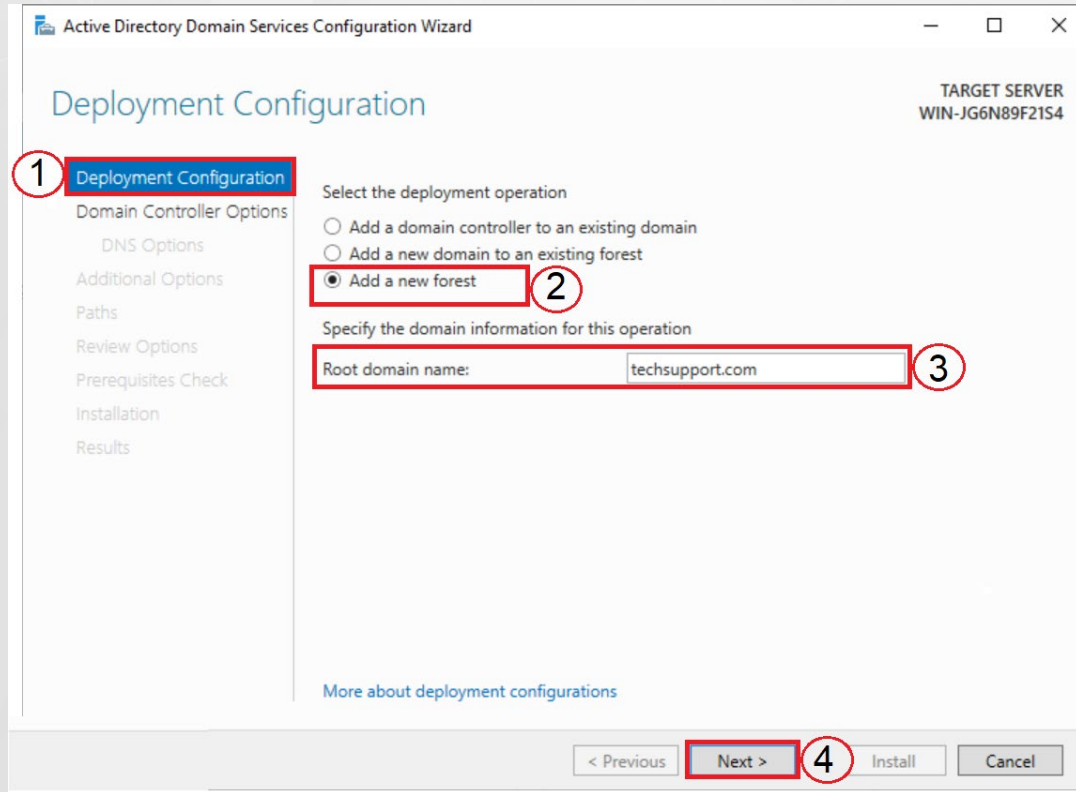
*Note: Remember, you need to create a virtual Switch and connect the VM to it in order to promote the Server to a Domain Controller*

- When installation is done, you need to follow the notifications alert (1), then select the "Promote this server to a domain controller" option (2)





7. When the pop-up appears, you need to follow the next configurations
  - a. In the Deployment configuration window (1) first choose the option "Add a new forest" (2), and then in the Root domain name type **techsupport.com** (3) then click next (4)



Active Directory Domain Services Configuration Wizard

Deployment Configuration

TARGET SERVER  
WIN-JG6N89F21S4

1 Deployment Configuration

Domain Controller Options

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Select the deployment operation

☐ Add a domain controller to an existing domain

☐ Add a new domain to an existing forest

☒ Add a new forest 2

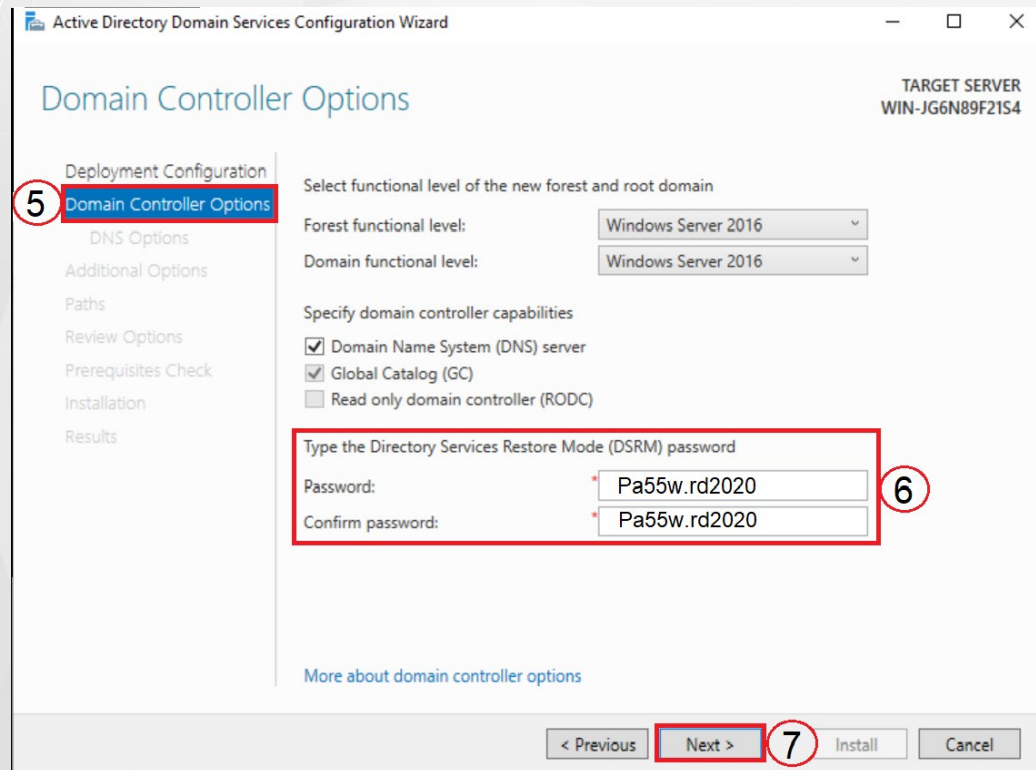
Specify the domain information for this operation

Root domain name: techsupport.com 3

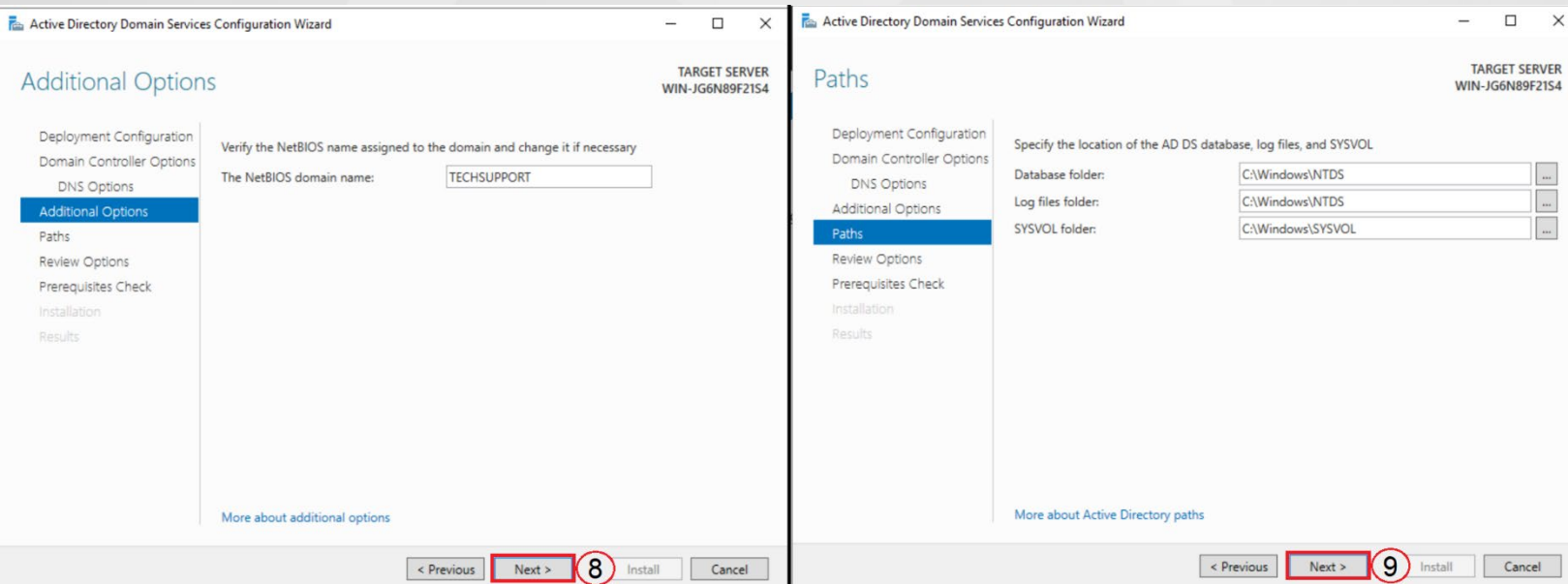
More about deployment configurations

< Previous Next > 4 Install Cancel

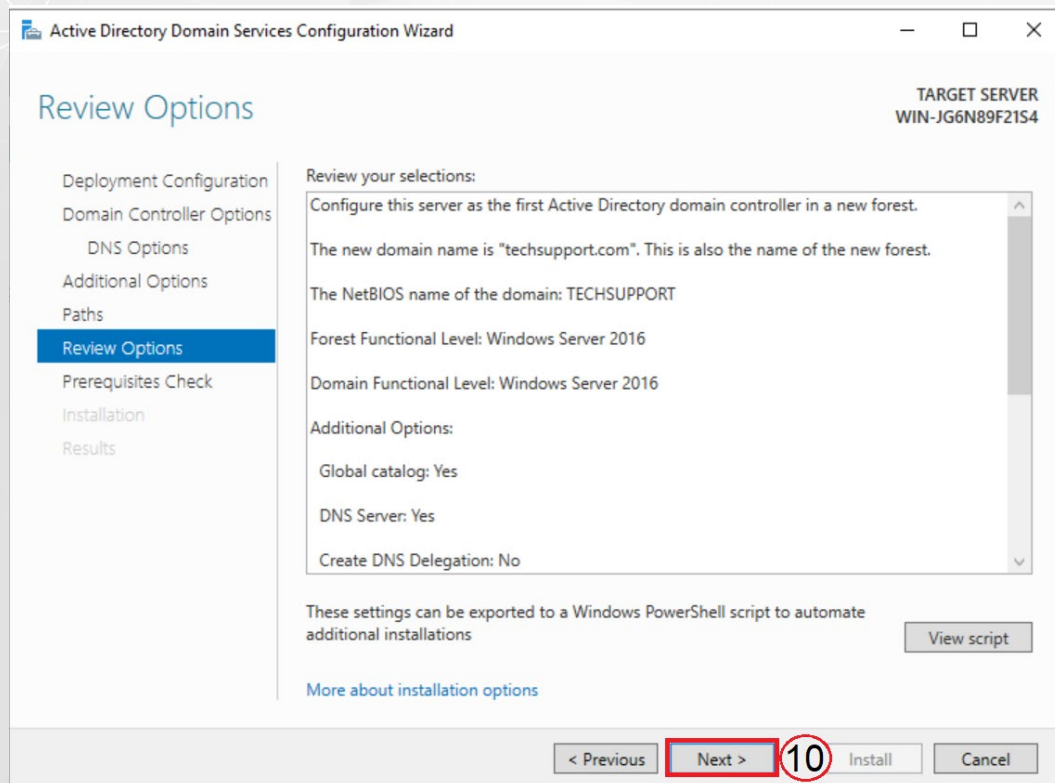
- b. In the Domain Controller Options (5) you just need to write the password **Pa55w.rd2020** (6), then click next (7)



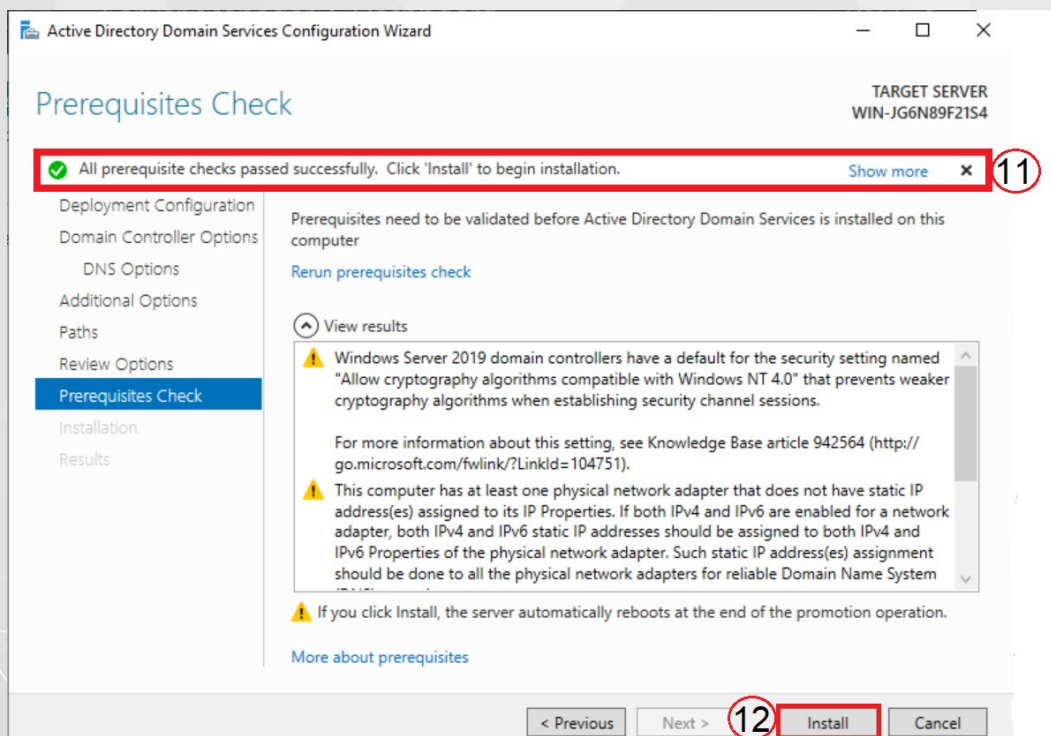
- c. Verify the information and click Next in the “Additional Options” window (8), do the same action in the until the “Paths” window (9)



- d. In the "Review Options" window confirm the information and then click next (10)



- e. The system needs to do a prerequisite check, when the prerequisites are approved (11) click install (12)



8. The Hyper-V computer is going to restart, it can take some minutes to deploy all the changes, when the VM start again should look like this:

