**Week 3 Assignment: Create a Lab Environment for your company**

Overview: Work as a group to create a lab environment containing a Domain Controller, a File Server, and a User Computer in your company. Divide the work however you like, but each group member must have a lab environment on their computer. Include a screenshot of each step. Crop your screenshots to show relevant information only. Uncropped screenshots will result in a 10% deduction from your mark.

Part 1:

1. Use VMWare workstation to create a VM using Windows Server 2019 to serve as your organisation’s first Domain Controller
   1. Remember to give your DC a name

A screenshot of a computer

Description automatically generated

* 1. Give your Administrator account a strong password (or you may bump into problems later) *(you do not need to include a screenshot for this step)*
  2. Use the “Add Roles or Features” Wizard to install the Active Directory Domain Services role to your server

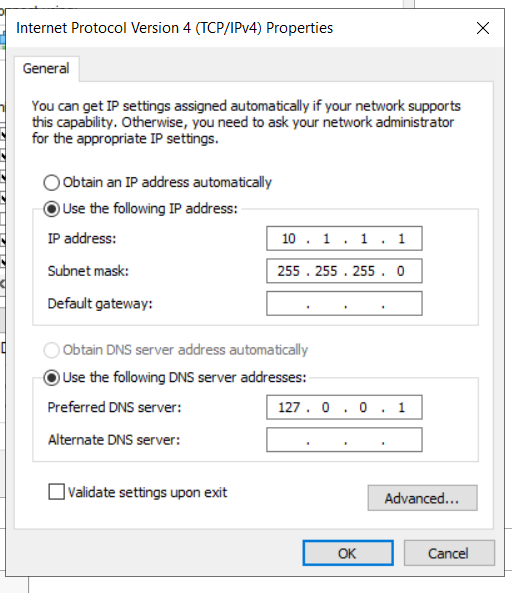
A screenshot of a computer

Description automatically generated

* 1. Promote your server to a Domain Controller

After Active Directory installation we promoted it to the domain controller (first screenshot)

* 1. Assign the DC a static IP address



Part 2:

1. Create a user computer (Windows 10) and join it to the domain
   1. You will need to assign a workable IP to the user computer (it should be on the same subnet as the DC, and use the DC as the DNS address)

A screenshot of a computer

Description automatically generated

* 1. Give your user computer a logical name

A screenshot of a computer system

Description automatically generated with medium confidence

* 1. Join it to the domain using a domain administrator account

A screenshot of a computer

Description automatically generated

Part 3:

1. Create a File and Print server (Windows Server 2019) for your company and join it to the domain
   1. You will need to assign a workable IP to the user computer (it should be on the same subnet as the DC, and use the DC as the DNS address)

A screenshot of a computer

Description automatically generated with medium confidence

* 1. Give your user computer a logical name

PFILPRTSRV001

(Physical\Virtual)(ServerType)SRV(number)

A screenshot of a computer

Description automatically generated

* 1. Join it to the domain using a domain administrator account

A screenshot of a computer

Description automatically generated

Part 4:

1. Create an OU for servers
   1. Move the File and Print server to this OU

A screenshot of a computer

Description automatically generated

1. Create an OU for user computers
   1. Move the User Computer to this OU

A screenshot of a computer

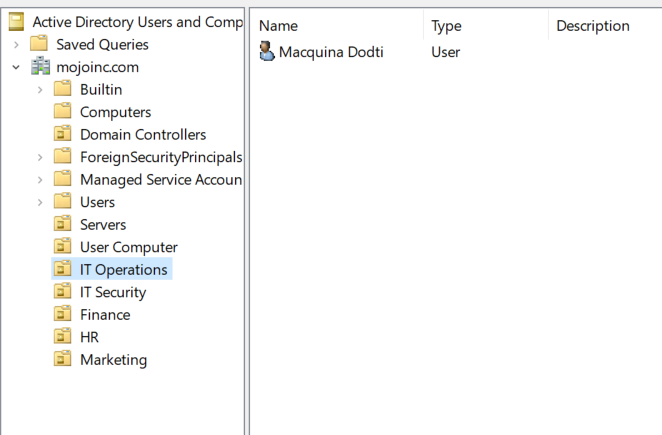
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1. Create an OU for user accounts based on department or location (this is up to you and will depend on your organisation)

A screenshot of a computer

Description automatically generated

1. Create a user account for each of your group’s members and place them in the appropriate OU



A screenshot of a computer

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A screenshot of a computer

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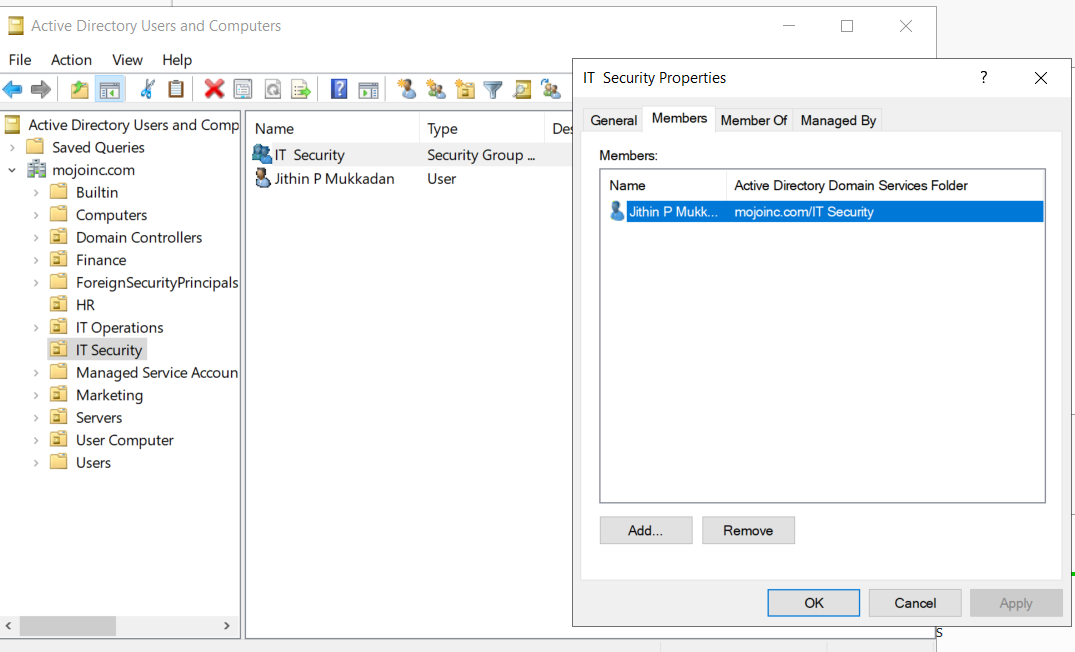
A screenshot of a computer

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1. Create a security group that makes sense in your organisation
   1. Add the user accounts to the group

A screenshot of a computer

Description automatically generated



1. Create a distribution group that makes sense in your organisation
   1. Add the user accounts to the group

A screenshot of a computer

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