**Active Directory Project**

Covering: Configure AD, Splunk, and Windows.

Video 1:

Creating a Logical Diagram:

A computer diagram of a network

Description automatically generated

Splunk DETAILS:

/a7hxf

Ashif123!

Part 4

Objective: Install & Configure Active Directory on to our Windows Server, then promote to Domain Controller, and then finally configure Windows PC (Target machine), to join our newly created domain!

We are installing Active Domain Services:

A screenshot of a computer

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Creating a brand domain:

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* The domain must have a top-level domain, it must have a dot something.

DSRM Password: Ashif123!

Paths are used to store our database file names, ntds.dt. Attackers love to attack domain controllers as they contain files related to the active directory, including password hashes.

* If suspecting any unusual activity, your domain is most likely compromised.

A screenshot of a computer program

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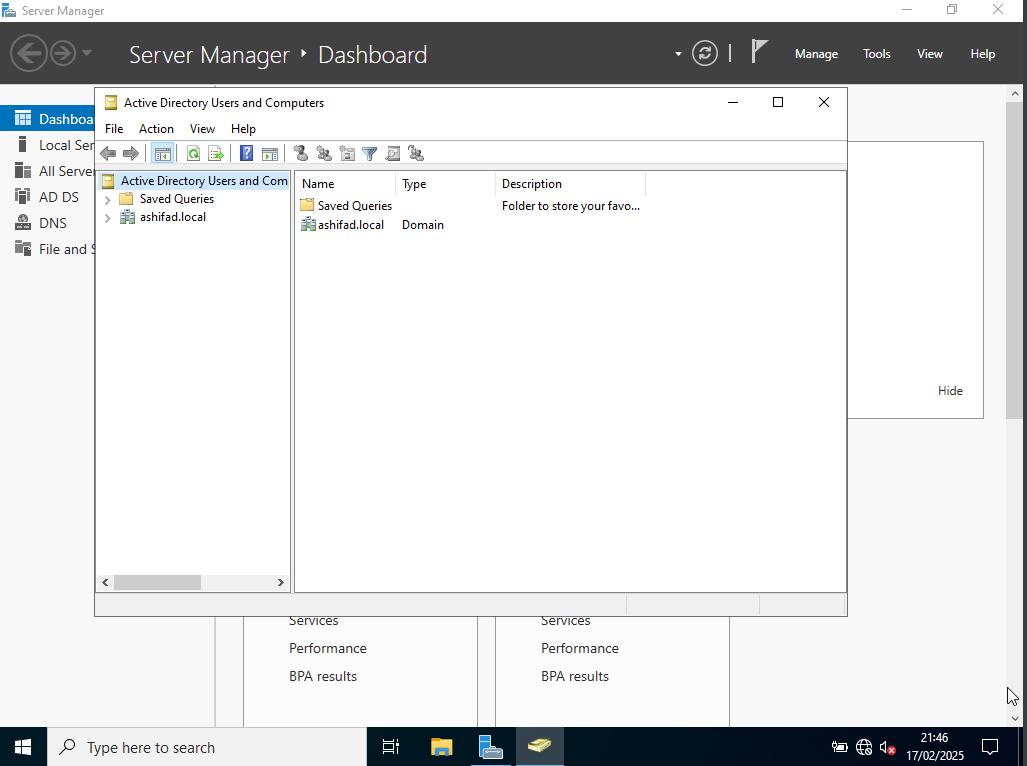
Here goes the installation, and sever will restart to show a sign that we have successfully installed AADF and promoted our server

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Creating some users for the active directory

We got to go to Tools and click on AD Users and Computers, where we can create objects such as users, groups, computers, and etc.



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* Built in. here are all the groups listed automatically built by AD!
* If we click and see the object, it will give details such as: name, description, who’s assigned to this group.
  + Under tab ‘Member Off’. What other groups this group is in! You cannot add to built in groups, but can add them groups to new groups you create.

We can create users easily by right click and create, in the users sub folder, however it is ideally broken up to different parts in an organisation such as HR, finance, IT, etc.

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* Clicking on organisational unit to create groups.

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Within that group we create new users.

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Both user password: Liverpool123!

There are many scripts to aid auto creating users computers and groups. In this project, it is just manual creation.

Now, we have our AD set up, and our server is now a domain controller.

We will join our newly created domain (ashifad.local) on the Windows (Target) machine.

* Also to authenticate using one of the accounts!

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We are changing the domain from local to our domain

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We are faced with this error because, our target machine does not know how to resolve ‘ashifad.local’, based on DNS.

To fix:

* Go to network adapter, same way to change IP address, and then, change google DNS to our domain controller.

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A screenshot of a computer

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Now we get access! And can login using our admin account of ther server to login, as this account will have the proper permsisions.

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A screenshot of a phone

AI-generated content may be incorrect.Now we are attempting to login to the accounts we created earlier for IT and HR, by using ‘Other User’.

A screenshot of a login screen

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We can see that the sign in to is pointed to my domain: ‘ASHIFAD’.