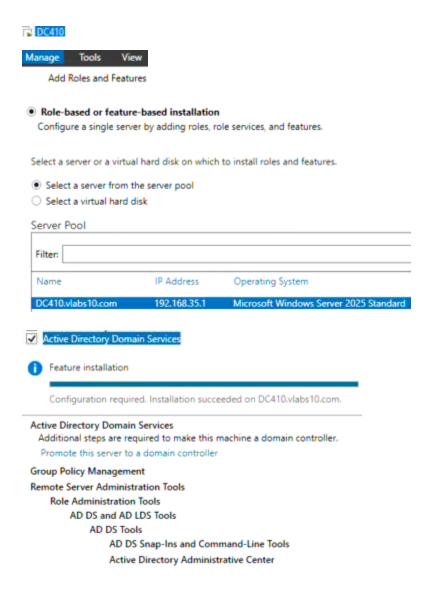
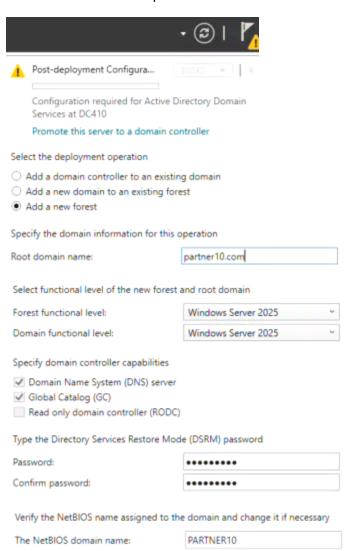
Lab Assignment (Part 1) – Managing AD Domains, Forests, and Trusts

Task 1: Promote DC4XX as a New Domain Controller in a New Forest

- 1. Promote DC4XX as a new DC in a New Forest named partnerXX.com using GUI
- Install AD DS role on DC4XX.



- Create a new forest partnerXX.com.

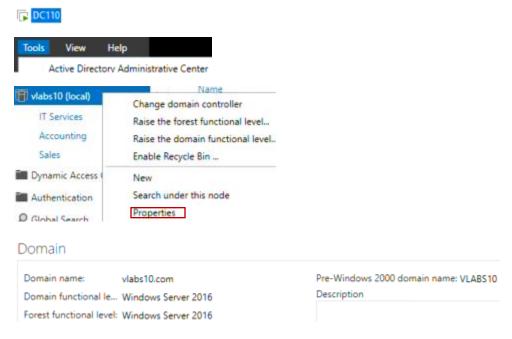




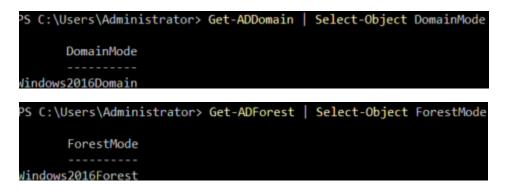


Task 2: Verify Domain and Forest Functional Levels

- 1. Check the Domain and Forest Functional Levels on vlabsXX.com
- Using Active Directory Administrative Center



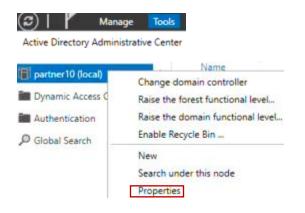
- Using PowerShell



Task 2: Verify Domain and Forest Functional Levels

- 2. Check the Domain and Forest Functional Levels on partnerXX.com
- Using Active Directory Administrative Center





Domain

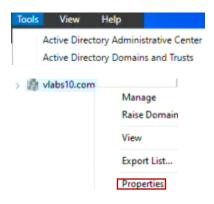


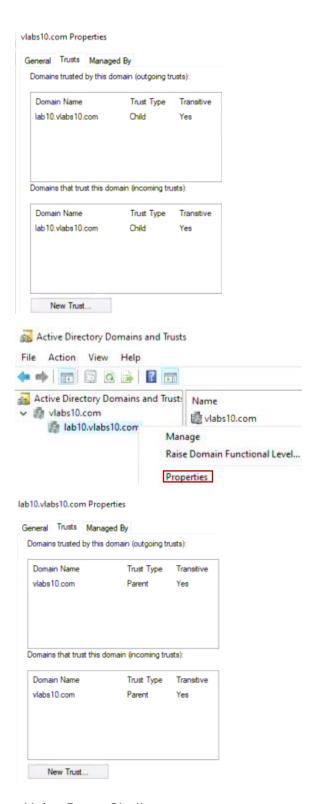
- Using PowerShell



Task 3: Listing Trusts

- 1. List all Trusts on vlabsXX.com and labsXX.vlabsXX.com
- Using Active Directory Domains and Trusts.





- Using PowerShell.

- 2. List all Trusts on partnerXX.com
- Using Active Directory Domains and Trusts.



- Using PowerShell.

PS C:\Users\Administrator.SRV110> Get-ADTrust -Filter * | Select-Object Name, Target, TrustType, Direction

Task 4: Creating Trusts

1. Create DNS Conditional Forwarders to ensure both forests can resolve each other's domains.

- On the DNS server of DC1XX create a Conditional Forwarder for partnerXX.com using PowerShell

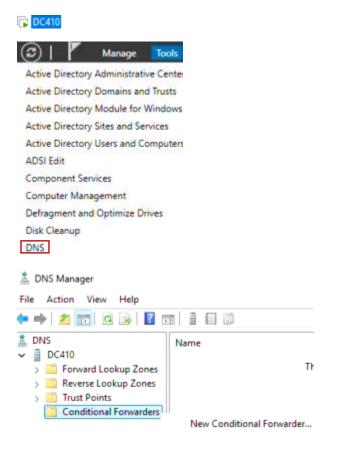
PS C:\Users\Administrator> Add-DnsServerConditionalForwarderZone -Name "partner10.com" -MasterServers 192.168.35.1 -Replication Scope Forest

- Verify using nslookup.

```
PS C:\Users\Administrator> nslookup partner10.com
DNS request timed out.
    timeout was 2 seconds.
Server: UnKnown
Address: ::1

Non-authoritative answer:
Name: partner10.com
Address: 192.168.35.1
```

- On the DNS server of DC4XX create a Conditional Forwarder for vlabsXX.com using GUI





- Verify using nslookup.



2. Using GUI:

- Create a Two-Way Transitive Forest Trust between vlabsXX.com and partnerX.com



artner10.com Properties				
General Trusts DC Loc	ator mappings	Managed By		
Domains trusted by this d	omain (outgoing tr	rusts):		
Domain Name	Trust Type	Transitive		
Domains that trust this do	main (incoming to	usts):		
Domain Name	Trust Type	Transitive		
New Trust				
New Trust Wizard				×
Trust Name You can create a tru	st by using a Netf	BIOS or DNS no	ame.	
Type the name of the do must type a DNS name.	main, forest, or rea	alm for this trust.	If you type the name of a fo	orest, you
Example NetBIOS name: Example DNS name: sup		crosoft.com		
Name:				
vlabs10.com				
New Trust Wizard				×
Trust Type				
This domain is a for create a forest trust		the specified d	omain qualifies, you can	44
Select the type of tr	ust you want to cr	eate.		
			domain and another domai d by the domains in the relati	
Forest trust A forest trust is a domains in one f	transitive trust be orest to be auther	tween two fore	sts that allows users in any of the domains in the other fo	of the orest.

New Trust Wizard X

Direction of Trust

User name:

Password:

You can create one-way or two-way trusts.



Select the direction for this trust. Two-way
 Users in this domain can be authenticated in the specified domain, realm, or
 forest, and users in the specified domain, realm, or forest can be authenticated in this domain. One-way: incoming Users in this domain can be authenticated in the specified domain, realm, or forest. One-way: outgoing Users in the specified domain, realm, or forest can be authenticated in this domain. New Trust Wizard Sides of Trust If you have appropriate permissions in both domains, you can create both sides of the trust relationship. To begin using a trust, both sides of the trust relationship must be created. For example, if you create a one-way incoming trust in the local domain, a one-way outgoing trust must also be created in the specified domain before authentication traffic will begin flowing across the trust. Create the trust for the following: This domain only This option creates the trust relationship in the local domain. Both this domain and the specified domain
 This option creates trust relationships in both the local and the specified domains. You must have trust creation privileges in the specified domain. New Trust Wizard × User Name and Password To create this trust relationship, you must have administrative privileges for the specified domain. Specified domain: vlabs 10.com Type the user name and password of an account that has administrative privileges in the specified domain.

•••••

CALL TO A BALL HOLD IN LOUIS IN LINE	
Outgoing Trust Authentication Level—Local Forest Users in the specified forest can be authenticated to use all of the resources in the local forest or only those resources that you specify.	9
Select the scope of authentication for users from the viabs 10, com forest.	
 Forest-wide authentication Windows will automatically authenticate users from the specified forest for all resouthe local forest. This option is preferred when both forests belong to the same organization. 	irces in
Selective authentication Windows will not automatically authenticate users from the specified forest for any resources in the local forest. After you finish this wizard, grant individual access to domain and server that you want to make available to users in the specified forest option is preferred if the forests belong to different organizations.	each
New Trust Wizard	
Outgoing Trust Authentication Level—Specified Forest Users in the local forest can be authenticated to use all of the resources in the specified forest or only those resources that you specify.	S.
Select the scope of authentication for users from the local forest.	
 Forest-wide authentication Windows will automatically authenticate users from the local forest for all resource vlabs 10 com forest. This option is preferred when both forests belong to the san organization. 	
Selective authentication Windows will not automatically authenticate users from the local forest for any re	en mes
in the viabs 10.com forest. After you finish this wizard, grant individual access to domain and server that you want to make available to users from the local forest option is preferred if the forests belong to different organizations.	each
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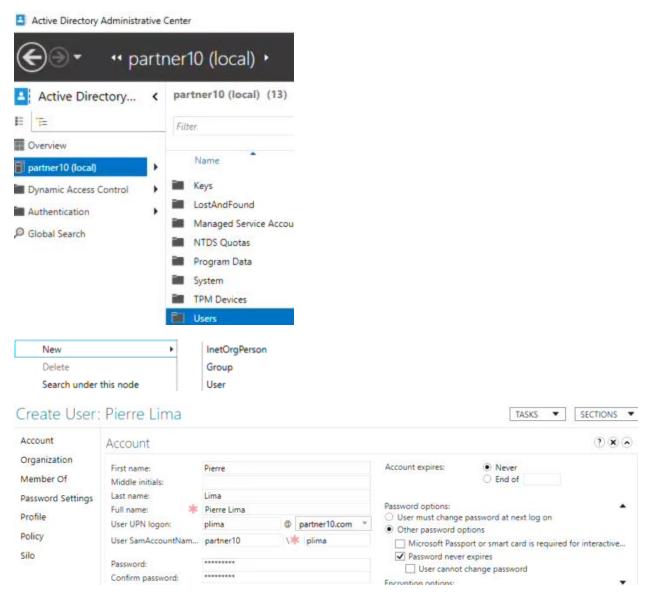


- 3. Using PowerShell:
- Verify the Trust Status on both Servers.



Task 5: Testing Trust Between Two Forests

- 1. On DC4XX.partnerXX.com:
- Create a new user in partnerXX.com → Pierre Lima / Passw0rd\$



- 2. On DC2XX.vlabsXX.com (Windows Server Core, RODC):
- Verify the trust relationship with partnerXX.com using PowerShell.



```
PS C:\Users\Administrator.VLABS10> Get-ADTrust -Filter {Name -eq "partner10.com"}
Direction
                          : BiDirectional
DisallowTransivity
                          : False
DistinguishedName
                          : CN-partner10.com, CN-System, DC-vlabs10, DC-com
orestTransitive
                          : True
IntraForest
                          : False
                          : False
: False
IsTreeParent
sTreeRoot
Name
                          : partner10.com
ObjectClass
                          : trustedDomain
                          : 83bb2a3f-81c6-4a51-b38d-16d391fb2d99
ObjectGUID
SelectiveAuthentication : False
SIDFilteringForestAware : False
SIDFilteringQuarantined : False
                          : DC=vlabs10,DC=com
Source
Target
                          : partner10.com
TGTDelegation
                          : False
TrustAttributes
                          : 8
TrustedPolicy
rustingPolicy
TrustType
UplevelOnly
                          : Uplevel
                          : False
UsesAESKeys
                          False
UsesRC4Encryption
                          : False
```

```
5 C:\Users\Administrator.VLABS10> Get-ADTrust -Identity "partner10.com" | Format-List *
Direction
                          : BiDirectional
DisallowTransivity
                          : False
DistinguishedName
                           : CN=partner10.com,CN=System,DC=vlabs10,DC=com
orestTransitive
                           : True
                          : False
IntraForest
sTreeParent
STreeRoot
                          : False
                           : partner10.com
ObjectClass
                             trustedDomain
                          : 83bb2a3f-81c6-4a51-b38d-16d391fb2d99
ObjectGUID : 83bb2a
SelectiveAuthentication : False
SIDFilteringForestAware : False
SIDFilteringQuarantined : False
ource
                           : DC=vlabs10,DC=com
Target
TGTDelegation
TrustAttributes
                          : partner10.com
: False
 rustedPolicy
rustingPolicy
TrustType
UplevelOnly
                           : Uplevel
                          : False
IsesAESKeys
sesRC4Encryption
ropertyNames
ddedProperties
                             {Direction, DisallowTransivity, DistinguishedName, ForestTransitive...
RemovedProperties
 odifiedProperties
 ropertyCount
```

- Create a folder C:\Secret

- Share C:\Secret and assign permissions Read/Write to plima@partnerX.com.

- Verify the shared folder and NTFS permissions.

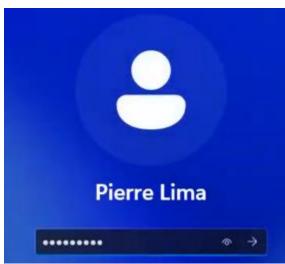
```
PS C:\Users\Administrator.VLABS10> Get-SmbShareAccess -Name "Secret"

Name ScopeName AccountName AccessControlType AccessRight

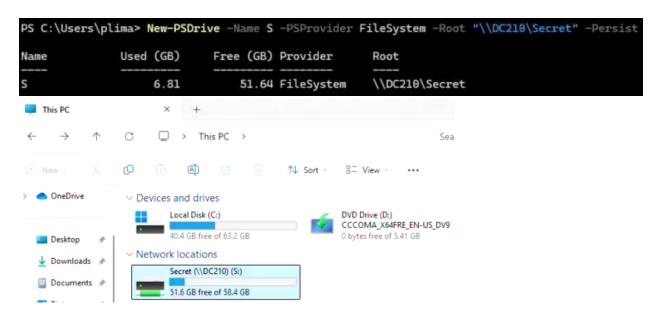
Secret * PARTNER10\plima Allow Full
```

- 3. From ClientXX:
- Log in with Pierre Lima from partnerXX.com





- Map the shared folder \\DC2XX\Secret as drive S:



- Test file creation and access.

