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AKSES LAB

Informasi Akses Lab

Gunakan akun akses lab ini untuk masuk ke layanan praktikum. Password akses lab terpisah dari password LearnHub dan bisa diperbarui kapan saja dari panel ini.

VPN

OFFLINE

[Download OpenVPN Client](#)

USERNAME OPENVPN & CML

faridridwan1815

CML URL

10.2.2.20

USERNAME VMWARE

faridridwan1815@itnsa.id

VCENTER URL

10.1.1.100

AKSI CEPAT

Gunakan tombol ini saat Anda ingin membuat password baru untuk akun akses lab.

[Reset Password](#)**Lab Status**

5/5 task PASS

Not Validated

Lab Objective

Lab Directory Services - itnsa.local

1 Active Directory Deployment



Deploy Active Directory Domain Services pada **AD.itnsa.local** untuk domain **itnsa.local**

Pastikan hostname sudah diganti menjadi **AD**, jika belum gunakan perintah berikut:

```
Rename-Computer AD -Restart
```

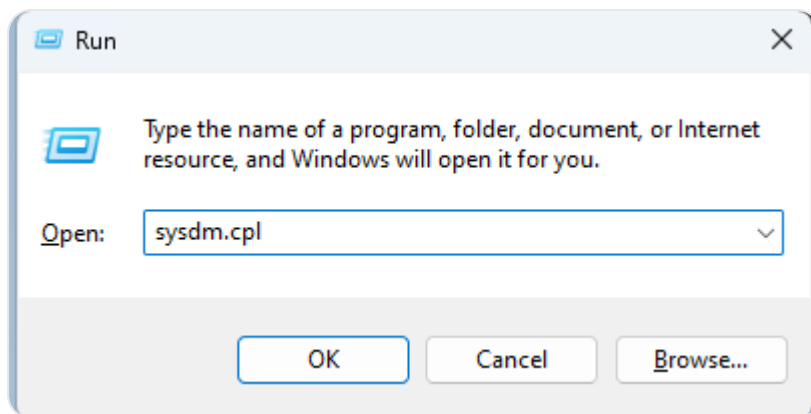
Konfigurasi Active Directory:

```
Install-WindowsFeature -IncludeManagementTools AD-Domain-Services  
Install-ADDSForest -DomainName itnsa.local
```

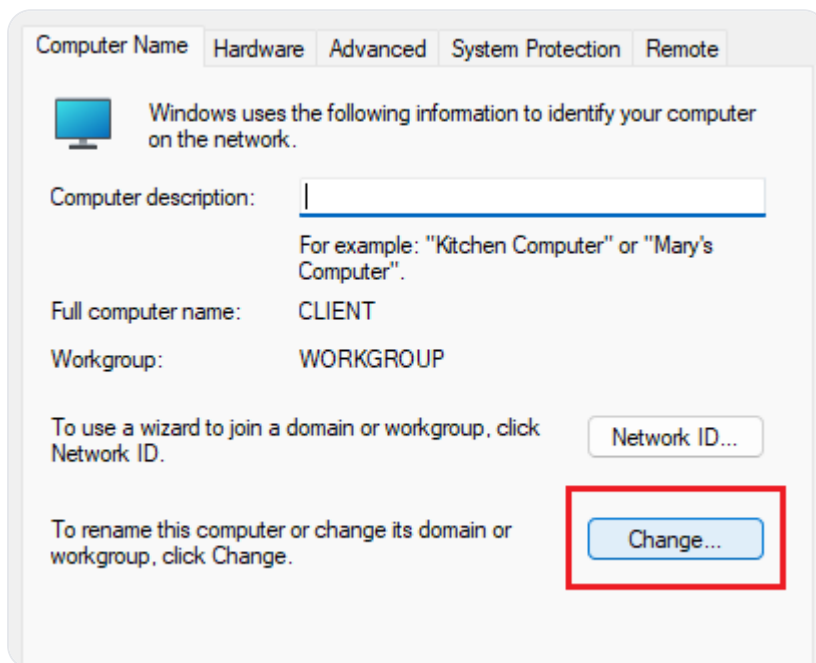
Setelah itu, join **CLIENT.itnsa.local** ke **itnsa.local** domain, pastikan hostnamanya **CLIENT**

Pastikan sudah mendapatkan IP address dari **public.skill39.com**

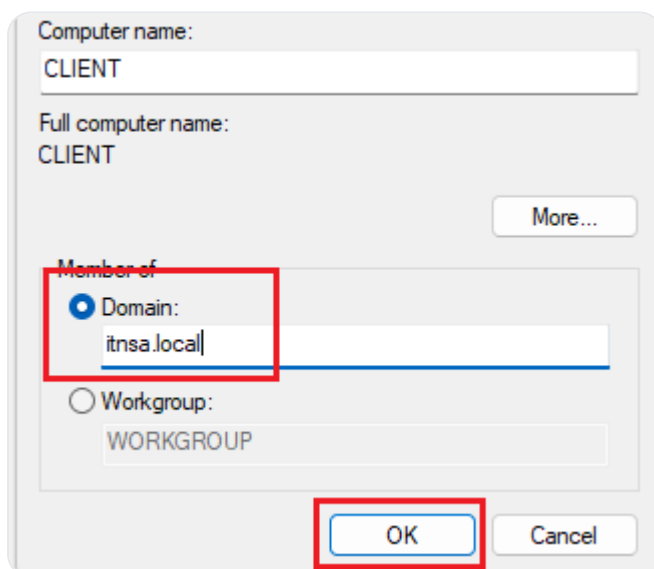
Untuk join, tekan Win + R > sysdm.cpl



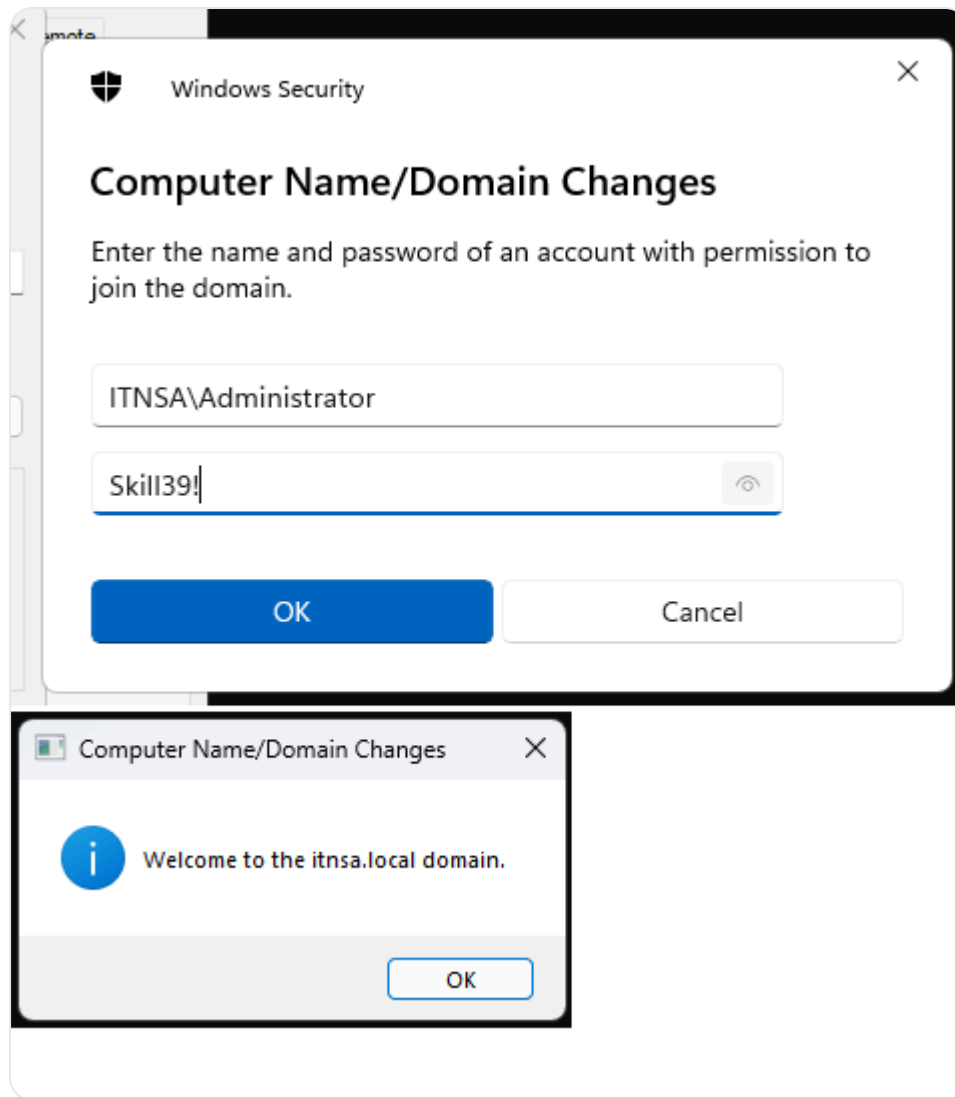
Pilih **Change...**



Pilih **Domain** lalu masukan `itnsa.local`



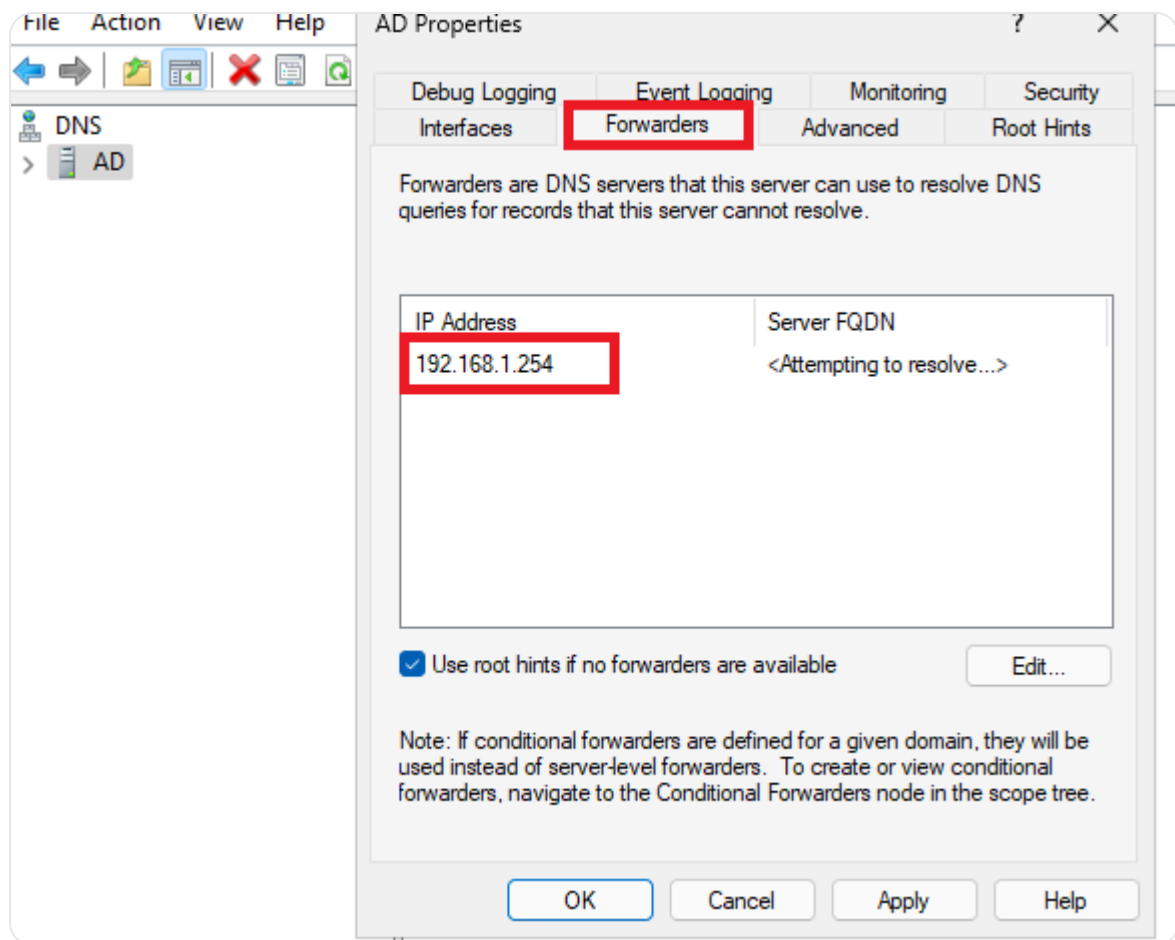
Masukan kredensial Domain Administrator dari `itnsa.local` , jika sudah pastikan terdapat notifikasi bahwa join domain berhasil dilakukan



2 DNS Forwarders Config



Buka **dnsmgmt.msc**, lalu konfigurasi DNS forwarders menjadi **192.168.1.254**

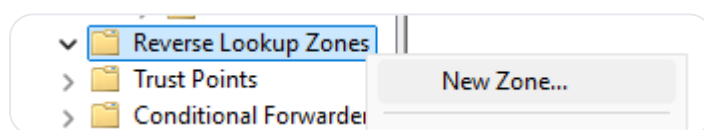


3

DNS Reverse Zone Config



Buat Reverse Lookup Zone type Secondary untuk network **192.168.1.0/24** dengan master 192.168.1.101 (node1.itnsa.net)



Pada Zone Type, pilih **Secondary zone**, lalu pilih **IPv4 Reverse Lookup Zone**

Zone Type
The DNS server supports various types of zones and storage.



Select the type of zone you want to create:

☐ Primary zone
Creates a copy of a zone that can be updated directly on this server.

☒ Secondary zone
Creates a copy of a zone that exists on another server. This option helps balance the processing load of primary servers and provides fault tolerance.

☐ Stub zone
Creates a copy of a zone containing only Name Server (NS), Start of Authority (SOA), and possibly glue Host (A) records. A server containing a stub zone is not authoritative for that zone.

☐ Store the zone in Active Directory (available only if DNS server is a writeable domain controller)

Reverse Lookup Zone Name
A reverse lookup zone translates IP addresses into DNS names.



Choose whether you want to create a reverse lookup zone for IPv4 addresses or IPv6 addresses.

☒ IPv4 Reverse Lookup Zone

☐ IPv6 Reverse Lookup Zone

Masukan **192.168.1** pada bagian Network ID:

To identify the reverse lookup zone, type the network ID or the name of the zone.

☒ Network ID:

The network ID is the portion of the IP addresses that belongs to this zone. Enter the network ID in its normal (not reversed) order.

Pada bagian **Master DNS Servers**, masukan IP addresss dari **node1.itnsa.net**
192.168.1.101 Pastikan statusnya OK

Master DNS Servers
The secondary zone is copied from one or more DNS servers.

Specify the DNS servers from which you want to copy the zone. Servers are contacted in the order shown.

Master Servers:

IP Address	Server FQDN	Validated
Click here to add an IP Address or DNS Name		
192.168.1.101	node1.itnsa.net	OK

Buttons: Delete, Up, Down, < Back, Next >, Cancel

Terakhir, pastikan DNS record telah muncul seperti contoh berikut:

Name	Type	Data	Timestamp
(same as parent folder)	Start of Authority (SOA)	[2], node1.itnsa.net, admi...	static
(same as parent folder)	Name Server (NS)	node1.itnsa.net.	static
(same as parent folder)	Name Server (NS)	node2.itnsa.net.	static
192.168.1.101	Pointer (PTR)	node1.itnsa.net.	static
192.168.1.102	Pointer (PTR)	node2.itnsa.net.	static

4 DNS Forward Zone Config



Pada Forward Lookup Zone **itnsa.local**, buat DNS record berikut. Untuk caranya, lihat pada teori sebelumnya

Name	Type	Data	Timestamp
(same as parent folder)	Start of Authority (SOA)	[19], ad.itnsa.local, hostm...	static
(same as parent folder)	Name Server (NS)	ad.itnsa.local.	static
(same as parent folder)	Host (A)	192.168.1.1	3/28/2026 5:00:00 PM
ad	Host (A)	192.168.1.1	static
srv	Host (A)	192.168.1.1	
work	Host (A)	192.168.1.1	
www	Alias (CNAME)	ad.itnsa.local	
dfs	Alias (CNAME)	ad.itnsa.local	
file	Alias (CNAME)	ad.itnsa.local	

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Active Directory Object



Buka **dsa.msc** lalu buat dua Organizational Unit bernama **East** dan **West**



Pada **East** organizational unit, buat group **East Group** dan user **est1** dengan password Skill39! Pastikan **est1** masuk ke dalam anggota group **East Group**

Name	Type	Description
 East Group	Security Group - Global	
 est1	User	

Pada **West** organizational unit, buat group **West Group** dan user **wst1** dengan password Skill39! Pastikan **wst1** masuk ke dalam anggota group **West Group**

Name	Type	Description
 West Group	Security Group - Global	
 wst1	User	

Validate Lab

Reset Lab