

Windows Server 2012

Membuat Virtual HD

← Create Virtual Machine

Name and operating system

Please choose a descriptive name and destination folder for the new virtual machine and select the type of operating system you intend to install on it. The name you choose will be used throughout VirtualBox to identify this machine.

Name: WinServer2012

Machine Folder: E:\WinServer2012

Type: Microsoft Windows

Version: Windows 2012 (64-bit)

Expert Mode Next Cancel

← Create Virtual Machine

Memory size

Select the amount of memory (RAM) in megabytes to be allocated to the virtual machine.

The recommended memory size is **2048 MB**.

4 MB 1024 MB 4096 MB

Next Cancel

← Create Virtual Machine

Hard disk

If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select one from the list or from another location using the folder icon.

If you need a more complex storage set-up you can skip this step and make the changes to the machine settings once the machine is created.

The recommended size of the hard disk is **50.00 GB**.

☐ Do not add a virtual hard disk

☒ Create a virtual hard disk now

☐ Use an existing virtual hard disk file

TinyCore.vdi (Normal, 8.00 GB)

Create Cancel

← Create Virtual Hard Disk

Hard disk file type

Please choose the type of file that you would like to use for the new virtual hard disk. If you do not need to use it with other virtualization software you can leave this setting unchanged.

☒ VDI (VirtualBox Disk Image)

☐ VHD (Virtual Hard Disk)

☐ VMDK (Virtual Machine Disk)

Expert Mode Next Cancel

← Create Virtual Hard Disk

Storage on physical hard disk

Please choose whether the new virtual hard disk file should grow as it is used (dynamically allocated) or if it should be created at its maximum size (fixed size).

A **dynamically allocated** hard disk file will only use space on your physical hard disk as it fills up (up to a maximum **fixed size**), although it will not shrink again automatically when space on it is freed.

A **fixed size** hard disk file may take longer to create on some systems but is often faster to use.

☒ Dynamically allocated

☐ Fixed size

Next Cancel

← Create Virtual Hard Disk

File location and size

Please type the name of the new virtual hard disk file into the box below or click on the folder icon to select a different folder to create the file in.

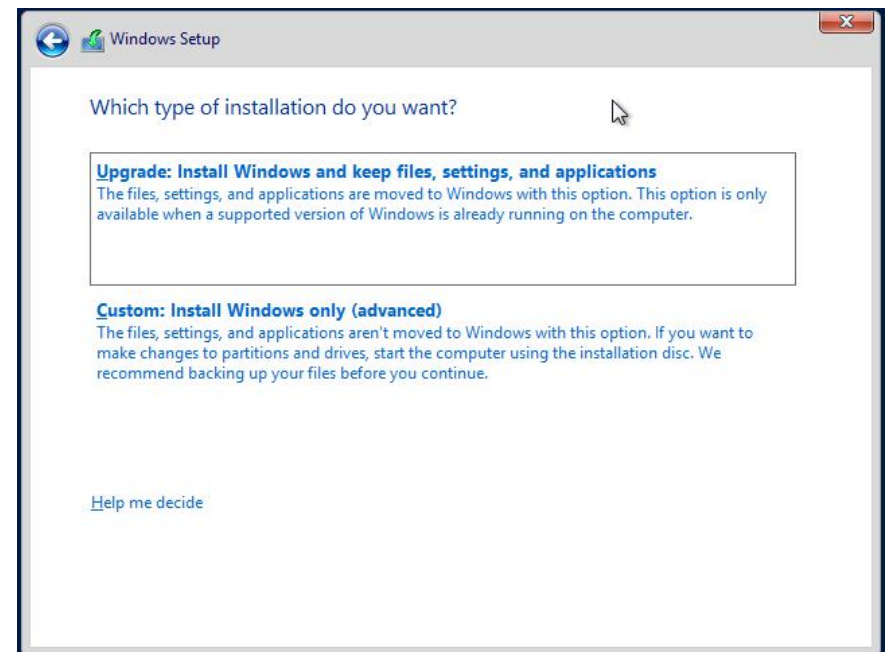
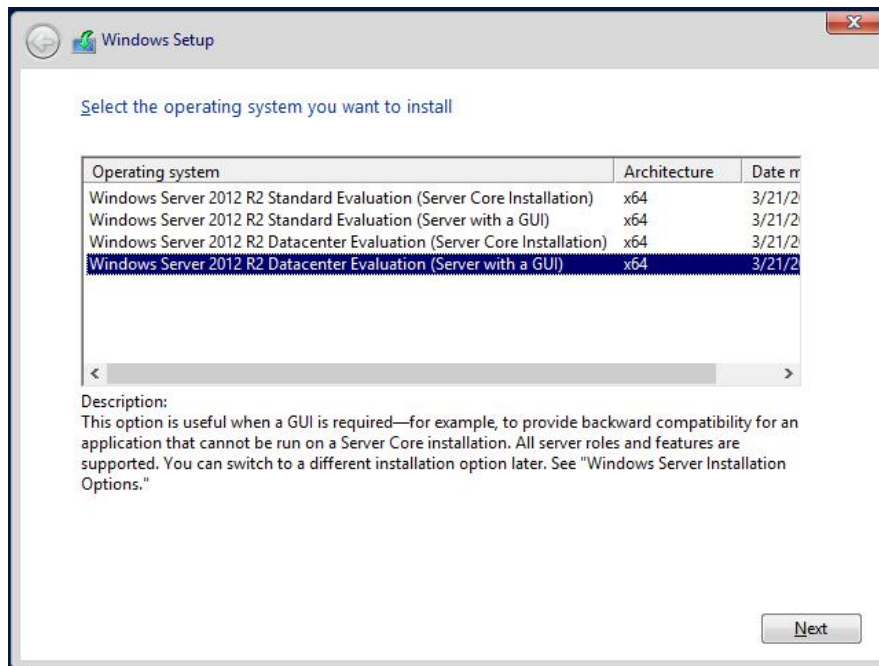
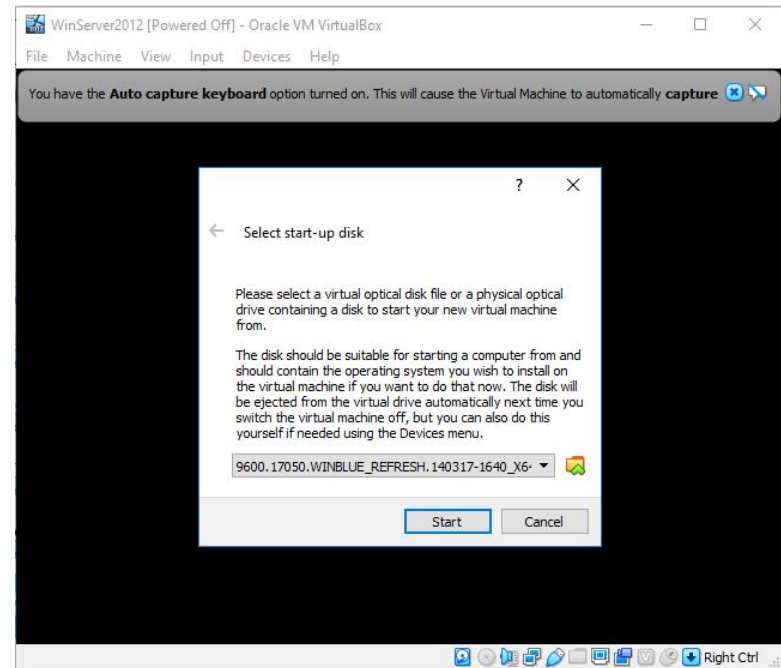
WinServer2012

Select the size of the virtual hard disk in megabytes. This size is the limit on the amount of file data that a virtual machine will be able to store on the hard disk.

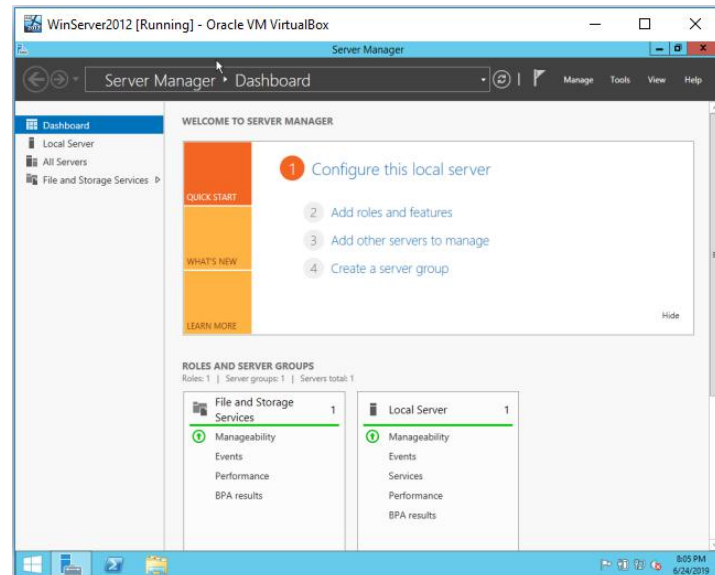
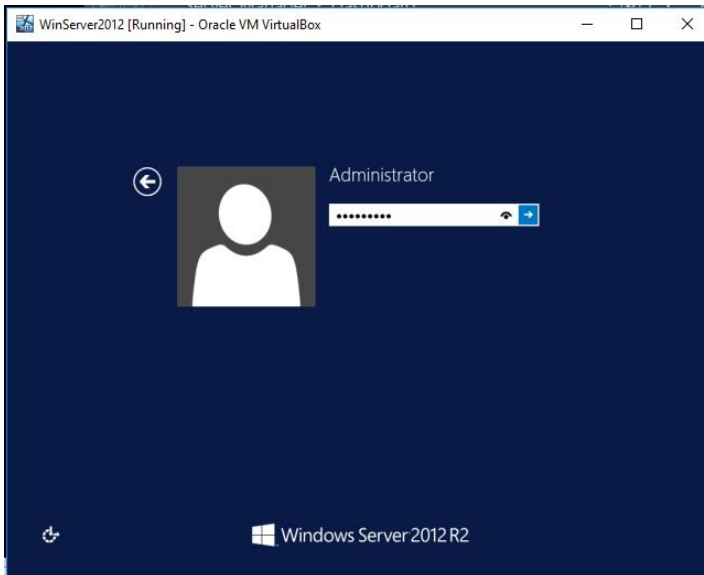
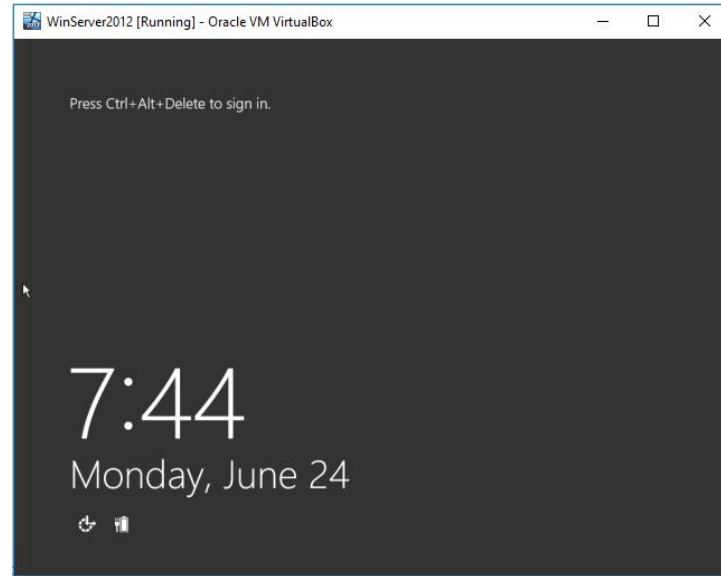
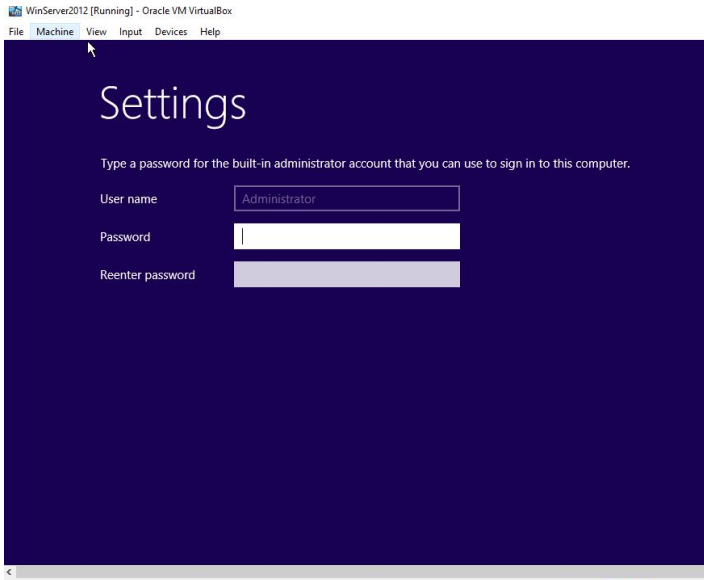
4.00 MB 32GB 2.00 TB

Create Cancel

Instalasi ISO



Konfigurasi Awal



Expired License?

1. Buka Powershell / Command prompt
2. Ketik : `slmgr.vbs -rearm`
3. Restart

Versi

Specifications	Foundation	Essentials	Standard	Datacenter
Distribution	OEM only	Retail, volume licensing, OEM		Volume licensing and OEM
Licensing model	Per server		Per CPUpair + CAL	
Processor chip limit	1	2	64	
Memory limit	32 GB	64 GB	4 TB	
User limit	15	25	Unlimited	
File sharing limits	1 standalone DFS root	1 standalone DFS root	Unlimited	
Network Policy and Access Services limits	50 RRAS connections and 10 IAS connections	250 RRAS connections, 50 IAS connections, and 2 IAS Server Groups	Unlimited	
Remote Desktop Services limits	50 Remote Desktop Services connections	Gateway only	Unlimited	

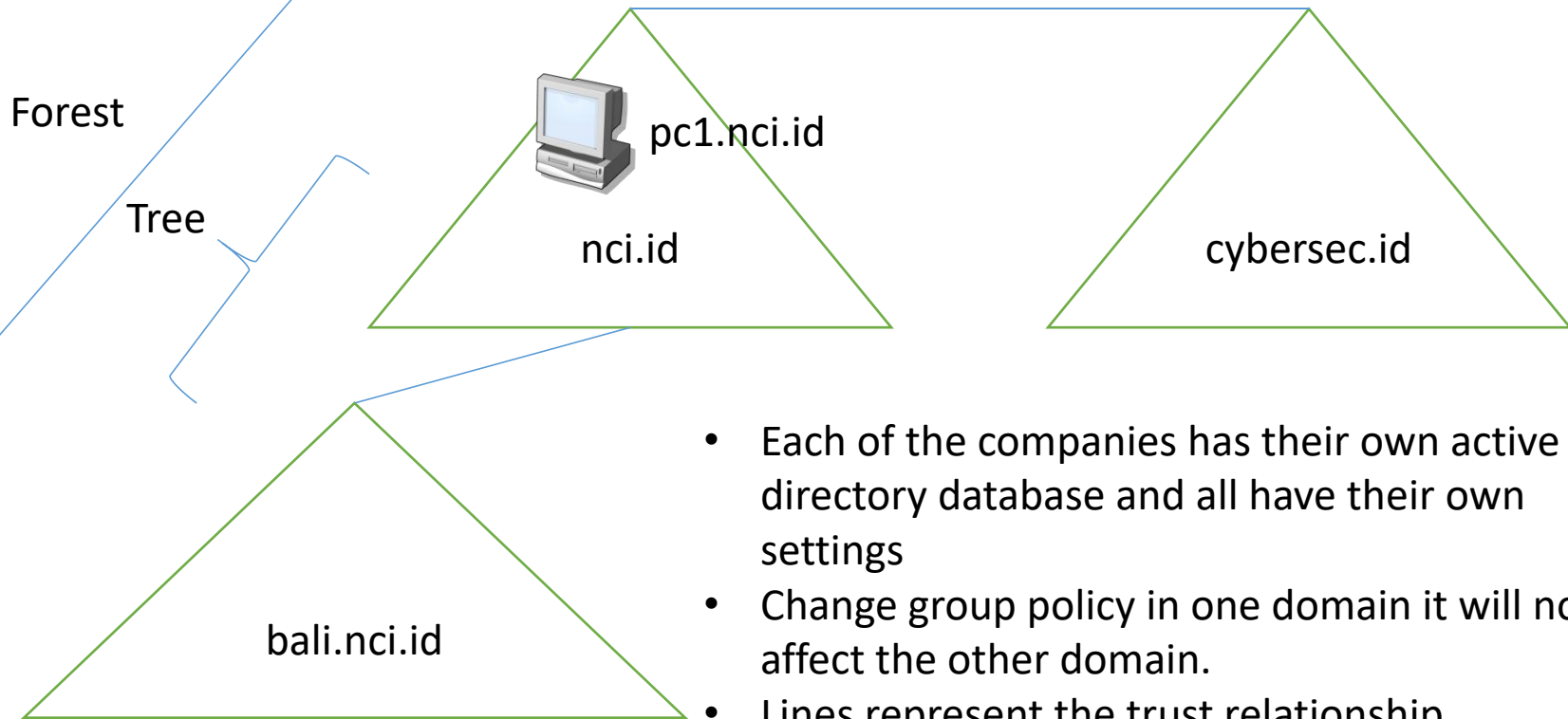
Specifications	Foundation	Essentials	Standard	Datacenter
Virtualization rights	N/A	Either in 1 VM or 1 physical server, but not both at once	2 VMs	Unlimited
Active Directory Certificate Services	Certificate Authorities only	Certificate Authorities only	Yes	
Hyper-V	No	No	Yes	
Server Core mode	No	No	Yes	
Windows Server Update Services	No	No	Yes	

Active Directory

- Essentially a Database
- Provide Centralized Control
- Records all passwords change
- Can be distributed across the world
- Stores Group Policy
- Everything in Active Directory is an Object (User Account, Group Policy, Printer, etc)

Domains

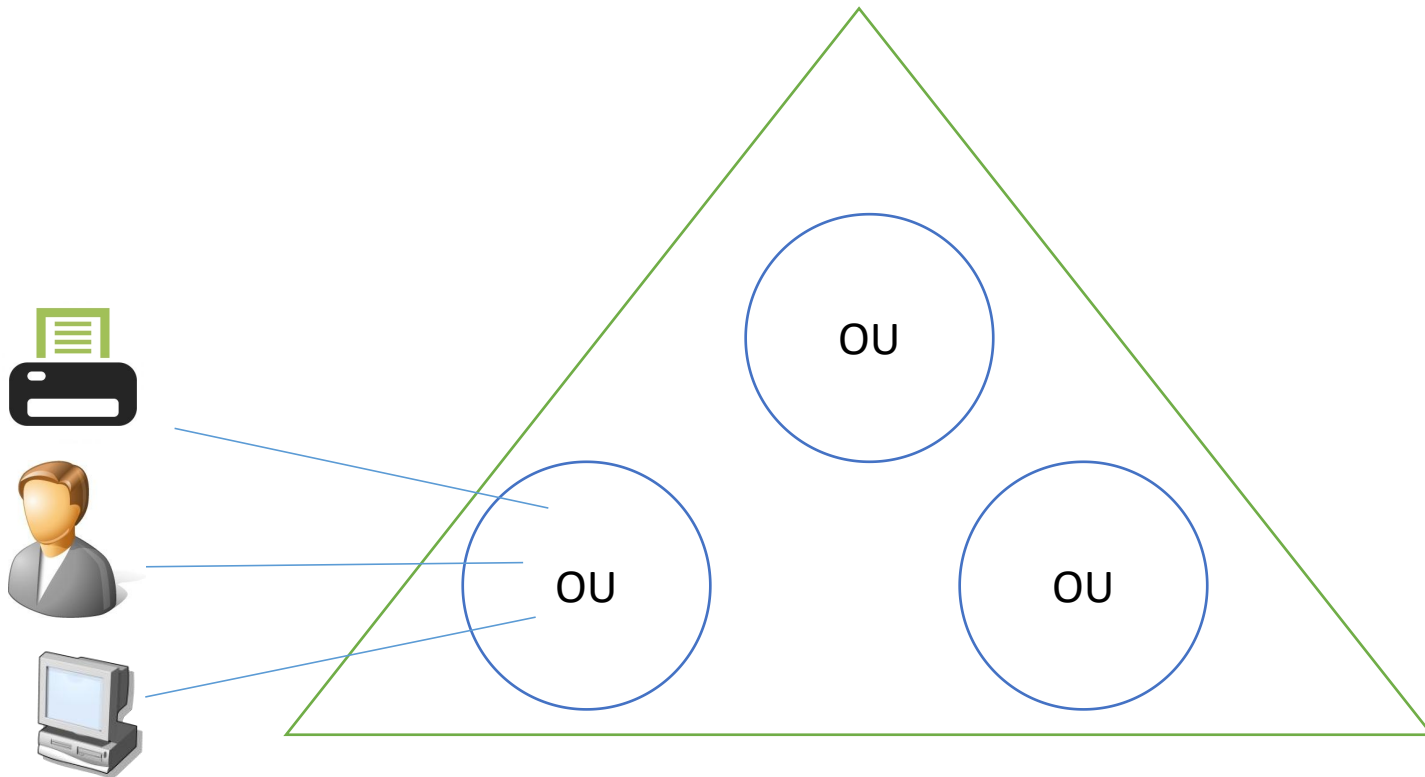
- Logical group that share the same AD database
- Share the same name space



- Each of the companies has their own active directory database and all have their own settings
- Change group policy in one domain it will not affect the other domain.
- Lines represent the trust relationship

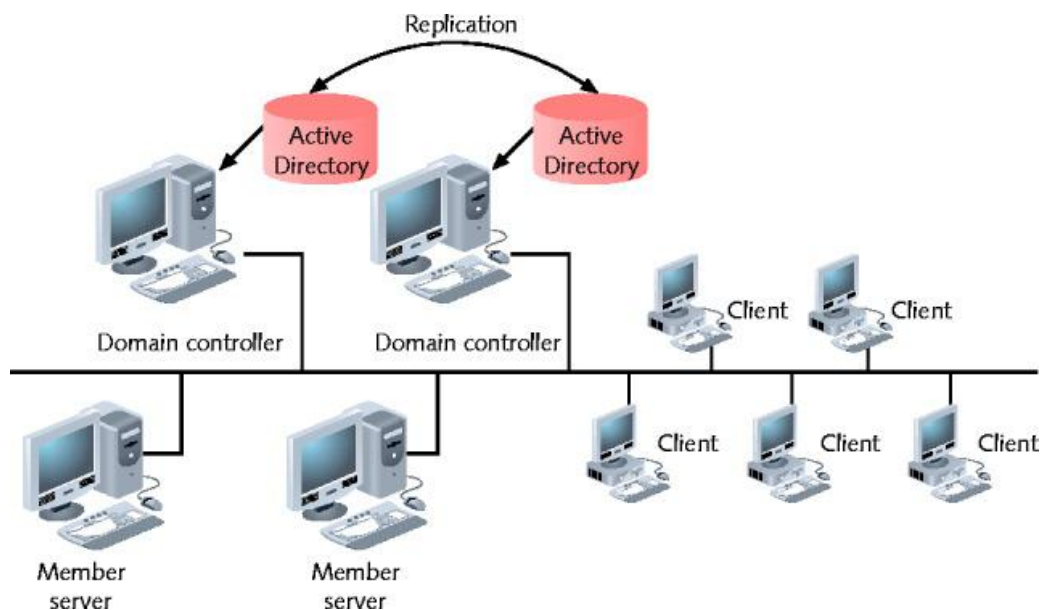
Domains

- Logical group that share the same AD database
- Share the same name space



Domain Controller

- Runs AD Domain Service
- Holds a copy of the AD database
- Replicates change with other DC
- Authenticates users / Determines access

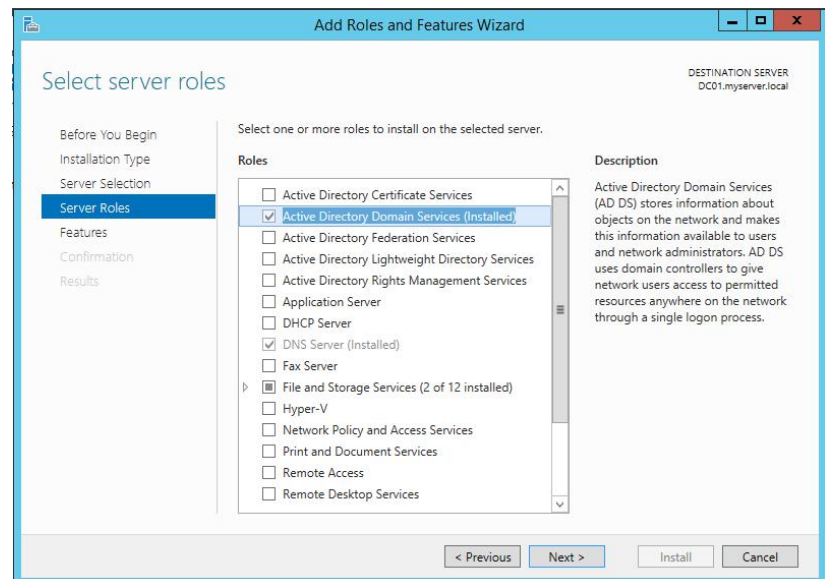
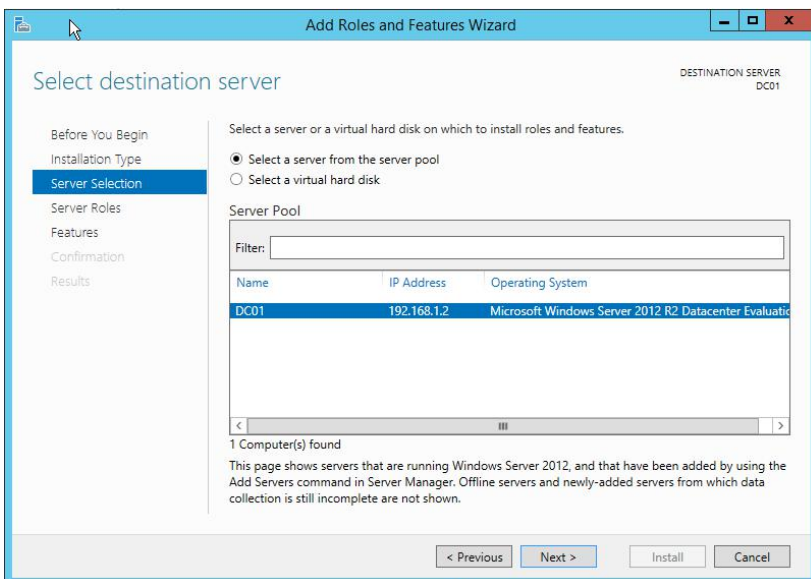
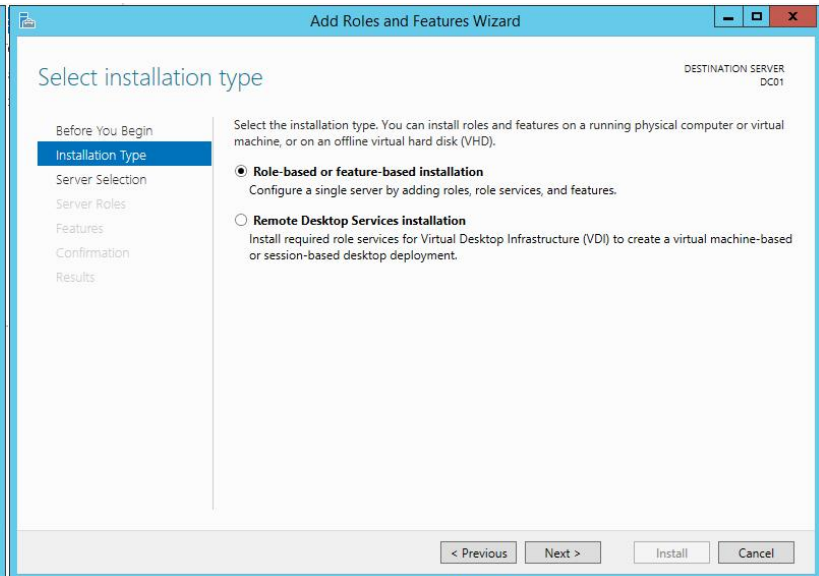
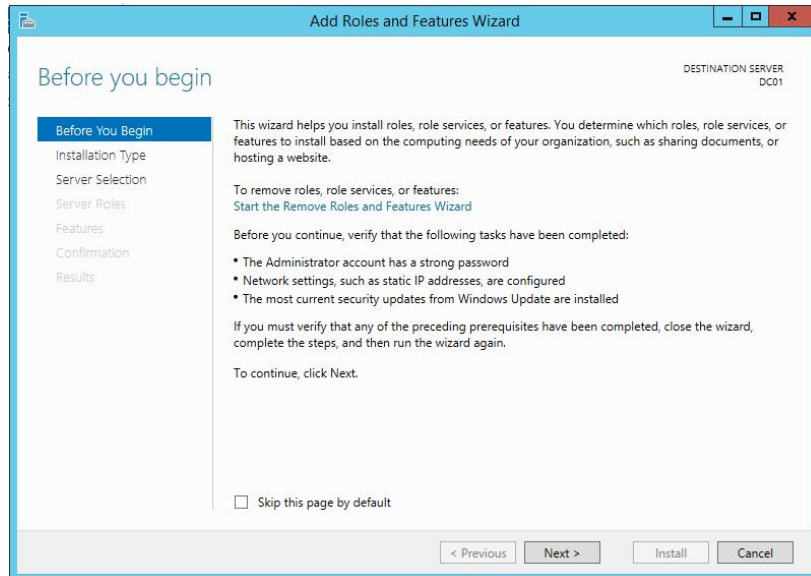


Instalasi AD DS

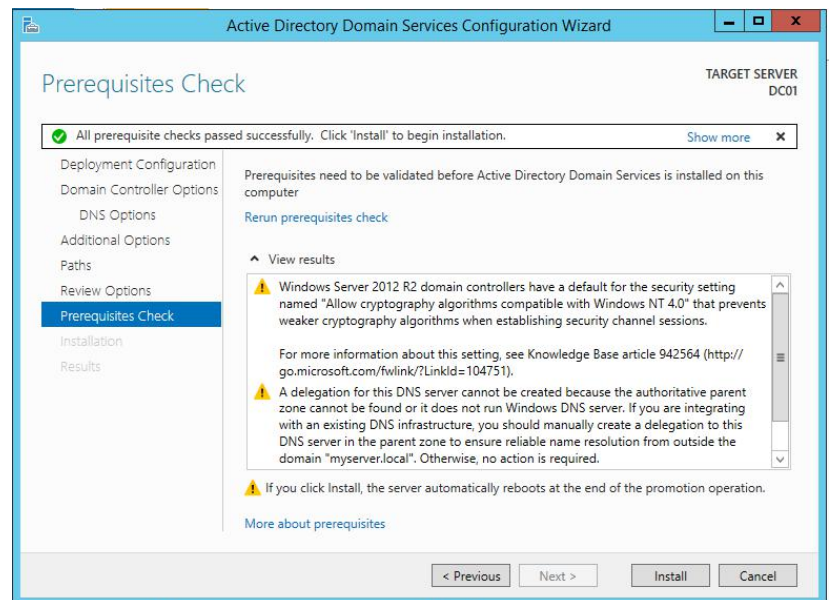
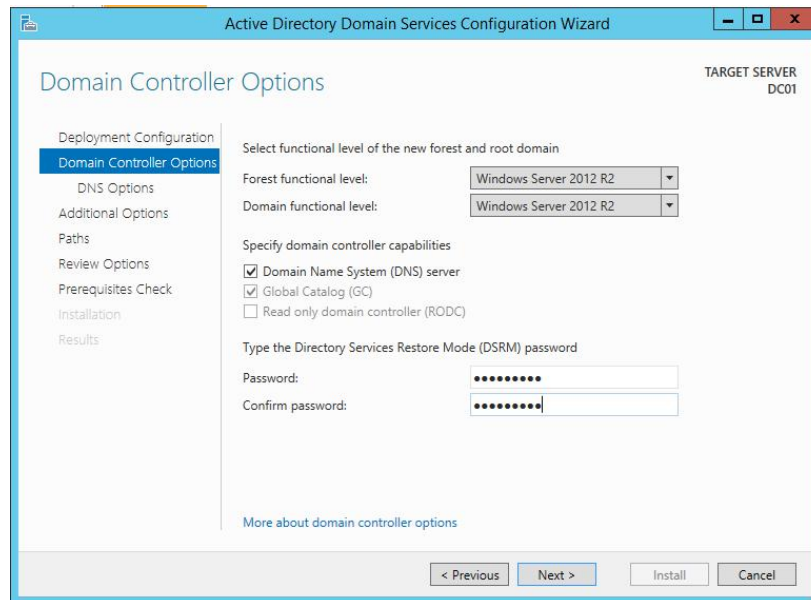
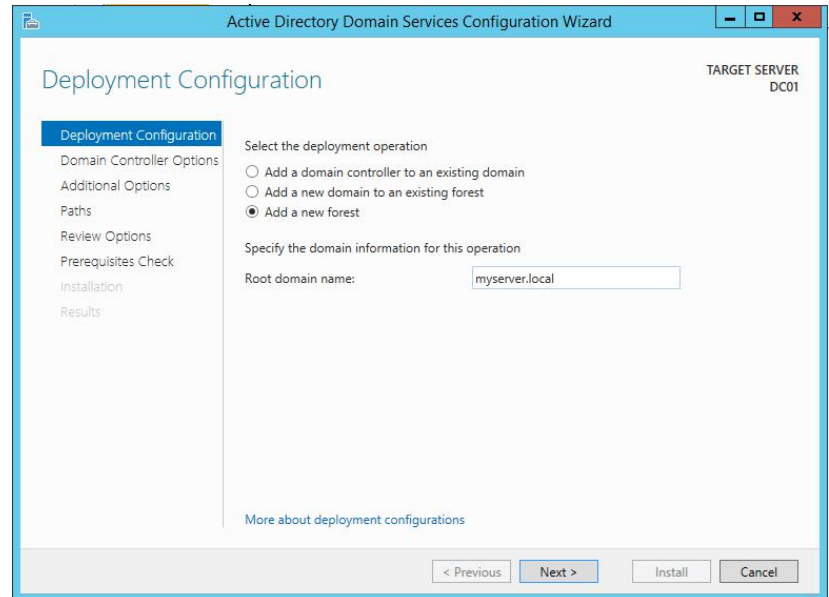
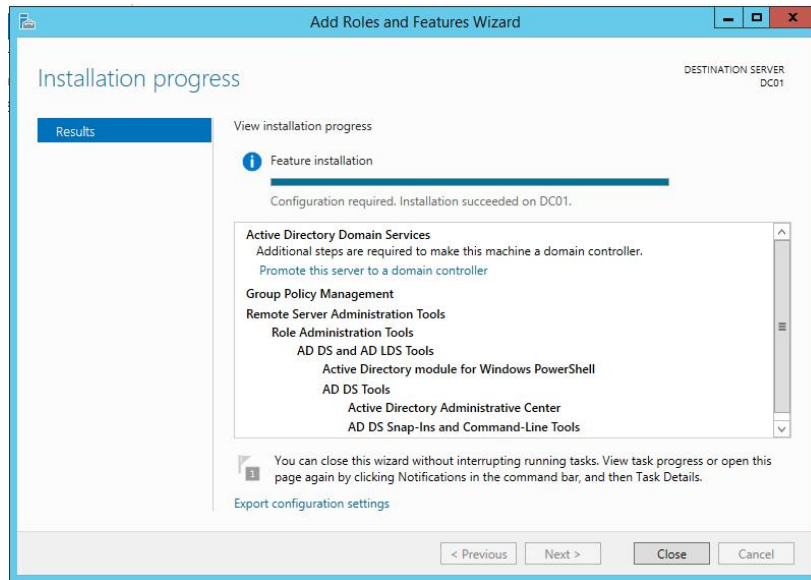
Pre :

- Setting IP Address
- Rename Computer Name

Instalasi AD DS



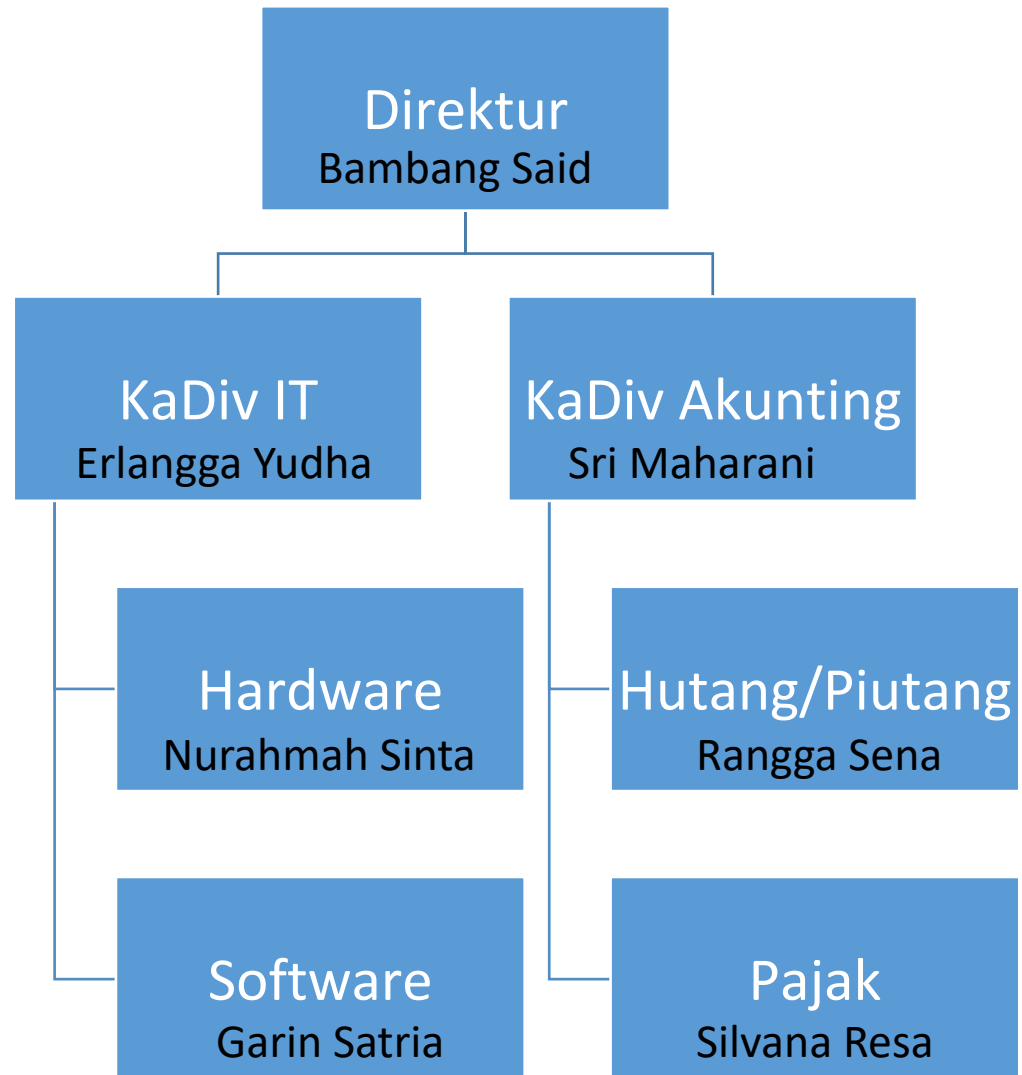
Instalasi AD DS



User & Group

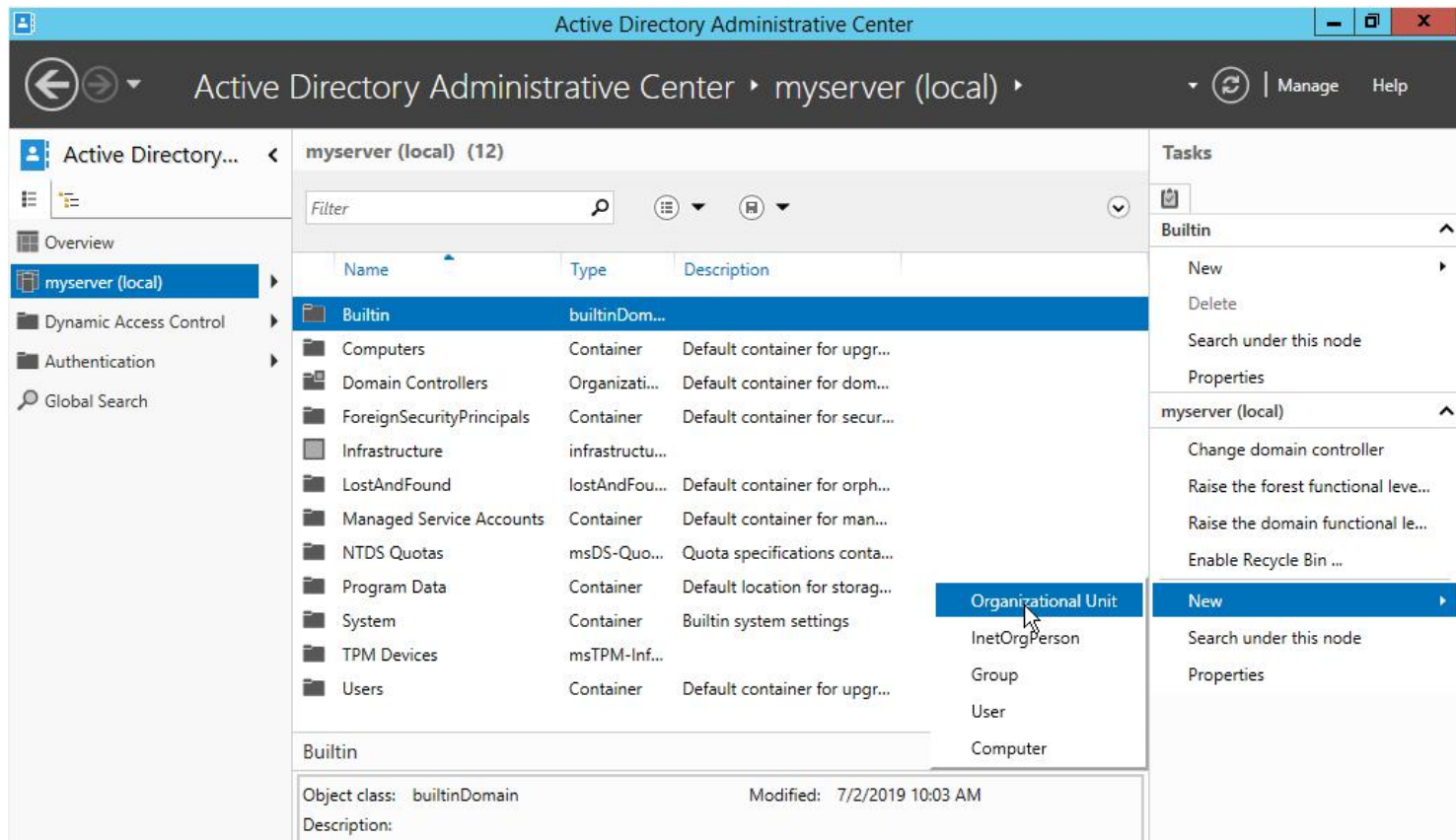
Strategi :

1. Menyesuaikan Org. chart
2. Masing-masing pegawai memiliki user
3. AD di level paling bawah
4. Grup hanya untuk level paling bawah



Users & Groups

1. Server Manager > Tools > Active Directory Administrative Center



Users & Groups

1. Server Manager > Tools > Active Directory Administrative Center

The screenshot shows the 'Create Organizational Unit: MyStartup' dialog box. The title bar is blue with standard Windows window controls. The main area is divided into two sections: 'Organizational Unit' and 'Managed By'. The 'Organizational Unit' section contains fields for Name (MyStartup), Address (Street), City, State/Province, Zip/Postal code, and Country/Region. It also shows the 'Create in' path (DC=myserver,DC=local) and a 'Description' field. A checkbox for 'Protect from accidental deletion' is checked. The 'Managed By' section includes fields for 'Managed by' (with 'Edit...' and 'Clear' buttons), Office, Phone numbers (Main, Mobile, Fax), and Address (Street, City, State/Province, Zip/Postal code, Country/Region). At the bottom, there is a 'More Information' link and 'OK' and 'Cancel' buttons.

Create Organizational Unit: MyStartup

TASKS SECTIONS

Organizational Unit

Managed By

Name: * MyStartup

Create in: DC=myserver,DC=local

Address: Street

Description:

City State/Province Zip/Postal co...

Country/Region:

Change...

☒ Protect from accidental deletion

Managed By

Managed by: Edit... Clear

Office:

Phone numbers:

Main:

Mobile:

Fax:

Address: Street

City State/Provi... Zip/Postal c...

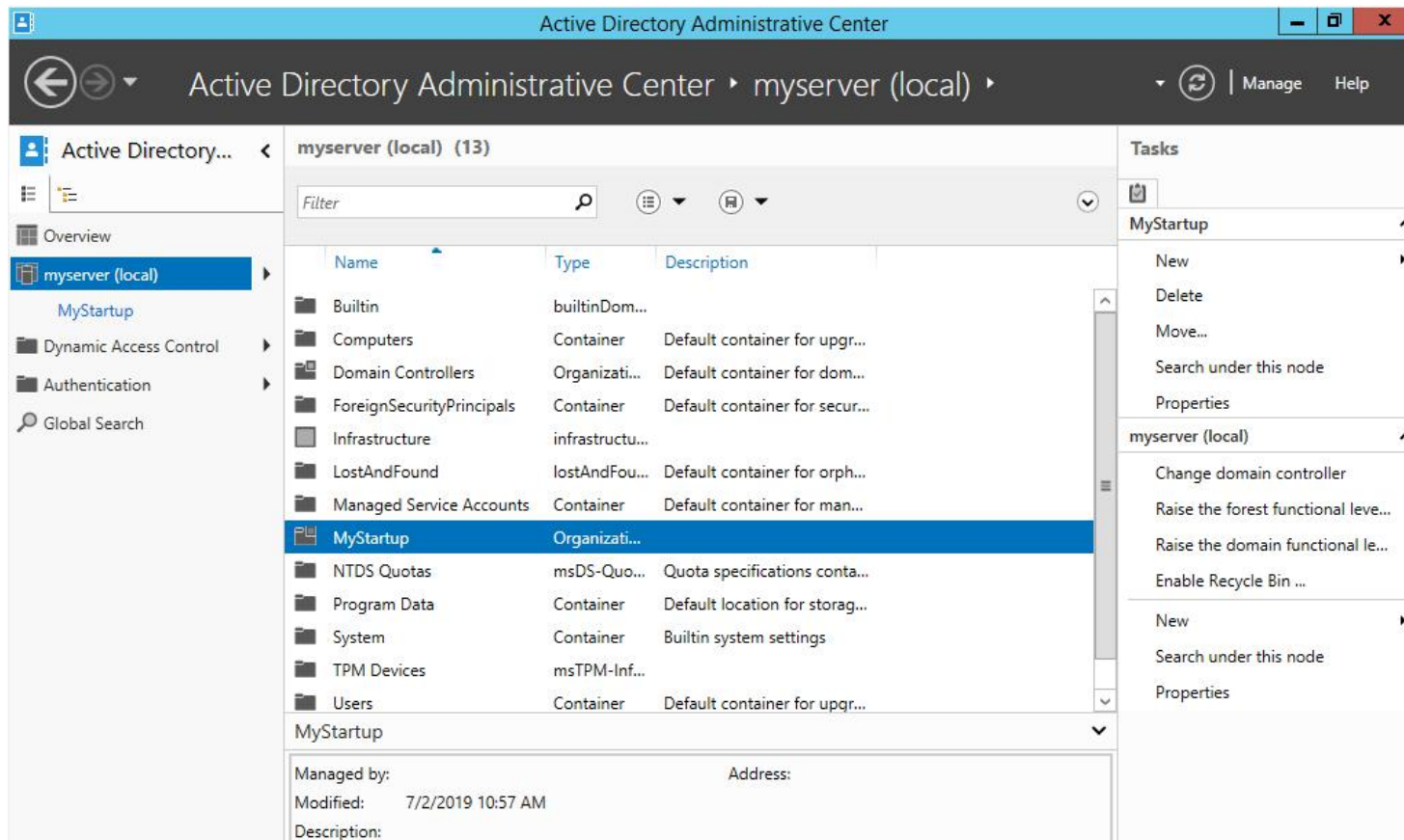
Country/Region:

More Information

OK Cancel

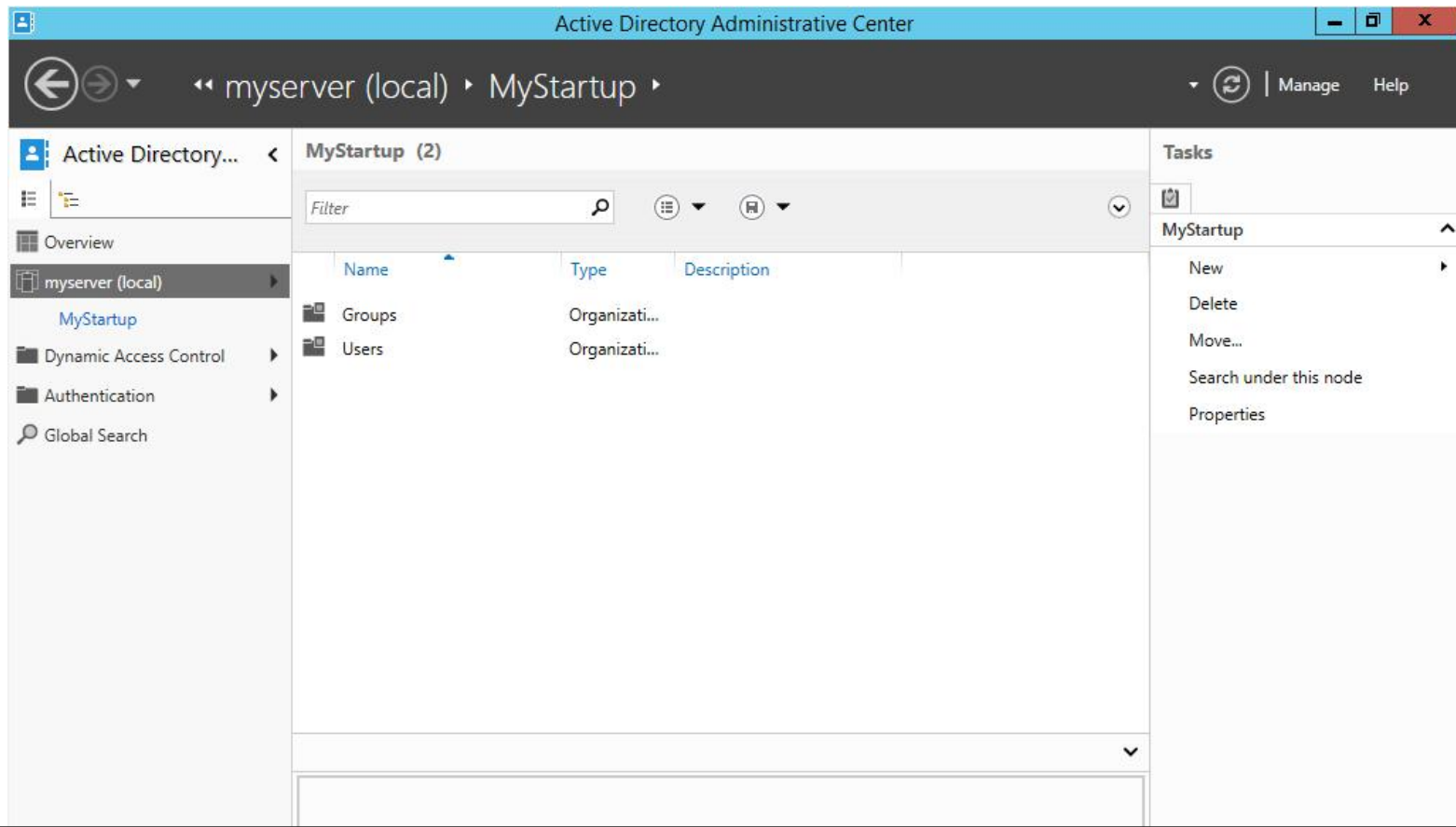
Users & Groups

1. Server Manager > Tools > Active Directory Administrative Center



Users & Groups

2. Membuat OU “Users” dan “Groups” di dalam OU MyStartup



Users & Groups

3. Membuat semua User sesuai organization chart Klik Users > New > User

Create User: Bambang Said

TASKS ▼ SECTIONS ▼

Account

Organization

Member Of

Password Settings

Profile

Policy

Silo

First name: Bambang

Middle initials:

Last name: Said

Full name: * Bambang Said

User UPN logon: bambang.said @ myserver.local ▼

User SamAccountName I... myserver * bambang.said

Password:

Confirm password:

Create in: OU=Users,OU=MyStartup,DC=myserver,DC=local [Change...](#)

☒ Protect from accidental deletion

[Log on hours...](#) [Log on to...](#)

Account expires: ☒ Never ☐ End of

Password options: ☐ User must change password at next log on ☒ Other password options

☐ Smart card is required for interactive log on

☒ Password never expires

☐ User cannot change password

Encryption options: ▼

Other options: ▼

Display name: Bambang Said

Office:

E-mail:

Web page:

Job title:

Department:

Company:

Manager: [Edit...](#) [Clear](#)

Users & Groups

3. Membuat Group untuk setiap level paling bawah

Klik “Groups” > New > Group

Members > Add > Insert Name

Create Group: IT Hardware

TASKS ▾ SECTIONS ▾

Group

Managed By

Member Of

Members

Password Settings

Group

Group name: * IT Hardware

Group (SamAccountName): * IT Hardware

Group type:

- ☒ Security
- ☐ Distribution

Group scope:

- ☐ Domain local
- ☒ Global
- ☐ Universal

☒ Protect from accidental deletion

E-mail:

Create in: OU=Groups,OU=MyStartup,DC=myserver,DC=local [Change...](#)

Description:

Notes:

Members

Filter

Name

Active Directory

Erlangga Yudha	myserver-MySt...
Nurahmah Sinta	myserver-MySt...

Add...

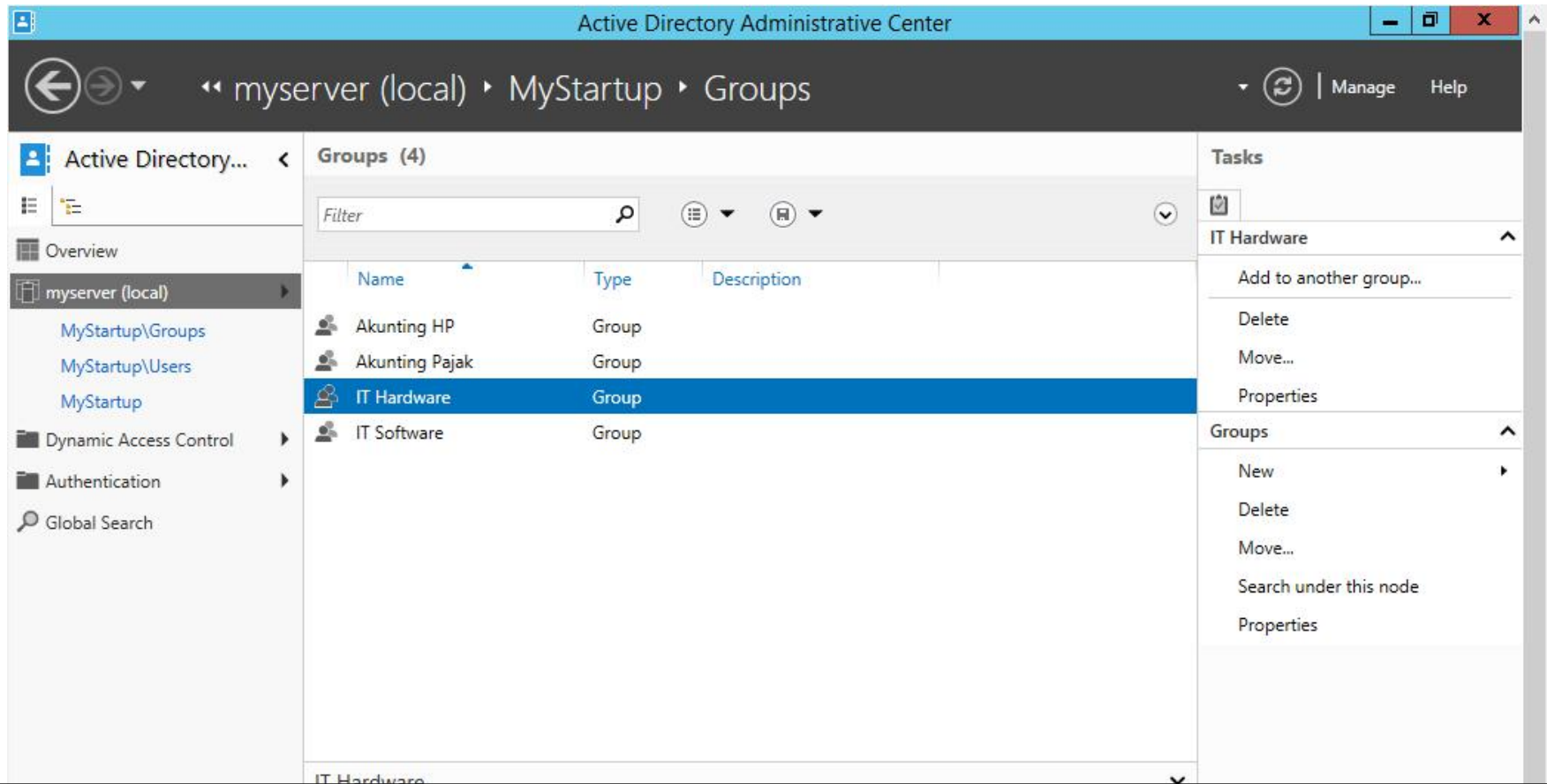
Remove

Users & Groups

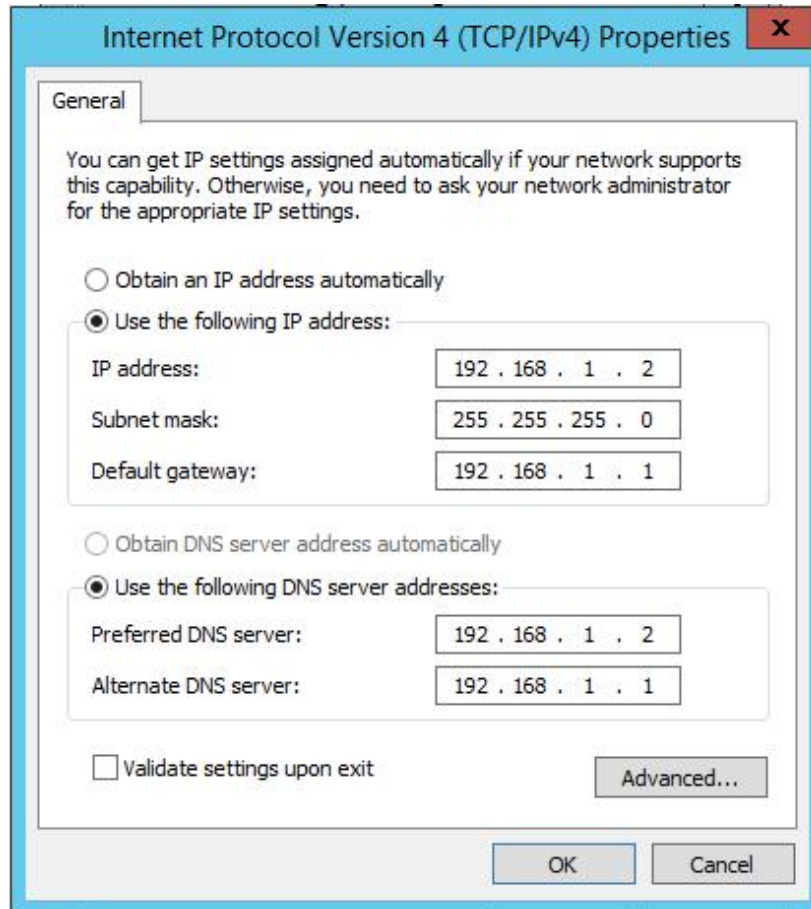
3. Membuat Group untuk setiap level paling bawah

Klik “Groups” > New > Group

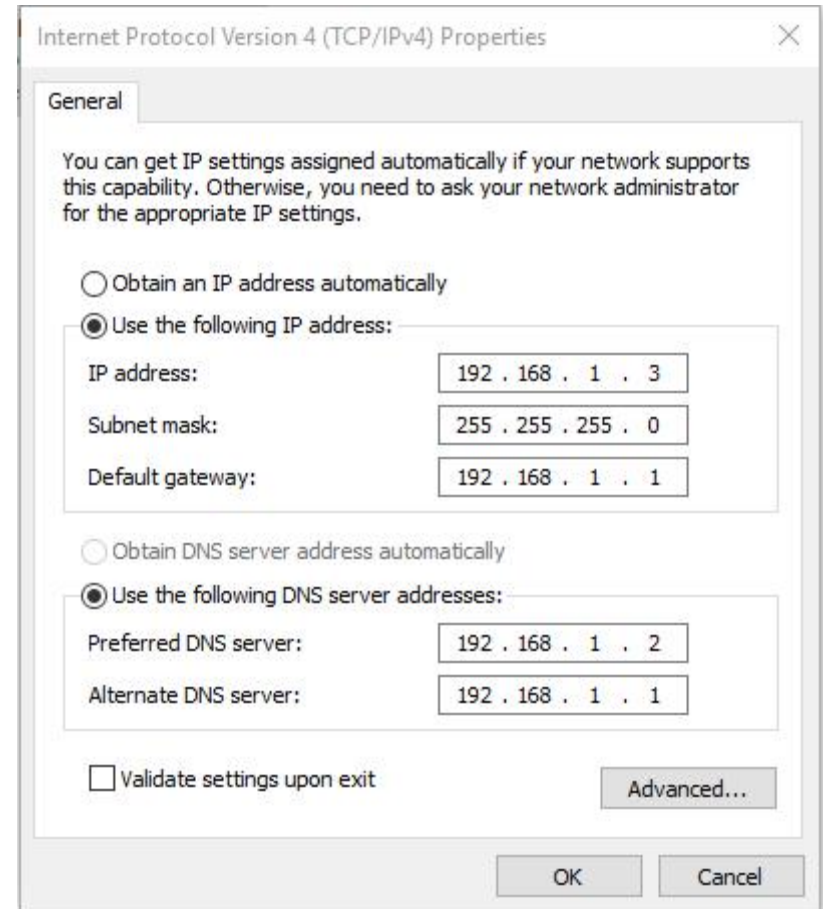
Members > Add > Insert Name



Domain Join : Win10



Server IP



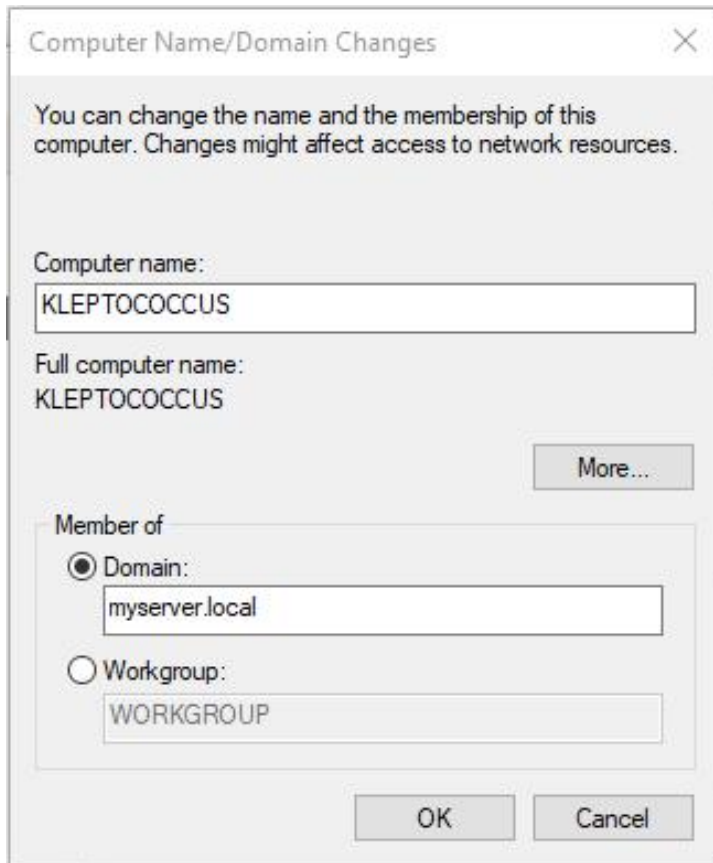
Client IP

```
C:\Users\herma>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:
Reply from 192.168.1.2: bytes=32 time=1ms TTL=128
```

Domain Join : Win10

- Domain setting in client
 - This PC > Properties > Change settings > Change



Computer Name/Domain Changes

You can change the name and the membership of this computer. Changes might affect access to network resources.

Computer name:
KLEPTOCOCCUS

Full computer name:
KLEPTOCOCCUS

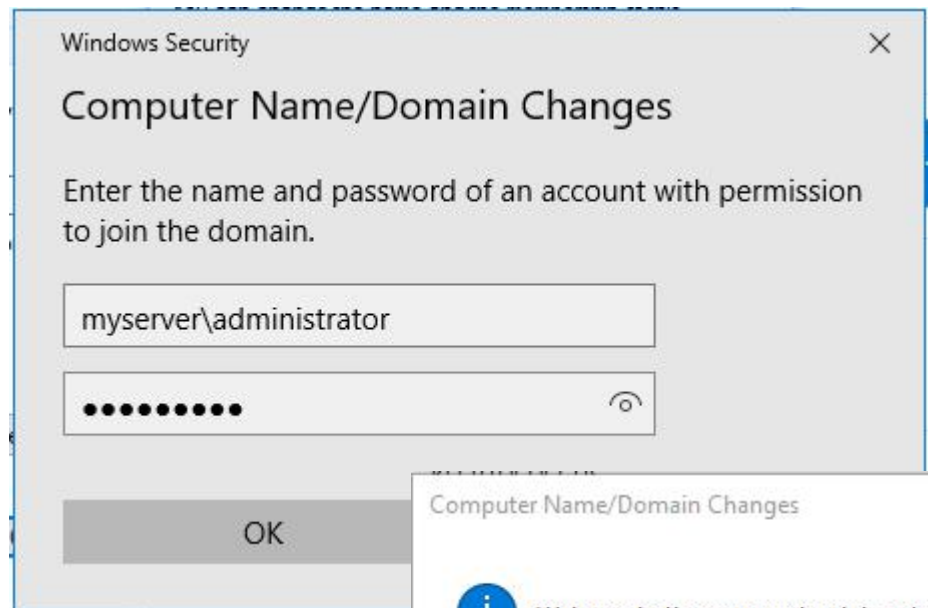
More...

Member of

☒ Domain:
myserver.local

☐ Workgroup:
WORKGROUP

OK Cancel



Windows Security

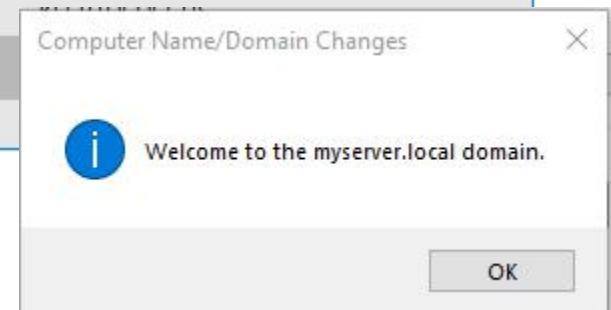
Computer Name/Domain Changes

Enter the name and password of an account with permission to join the domain.

myserver\administrator

.....

OK



Computer Name/Domain Changes

Welcome to the myserver.local domain.

OK

Domain Join : Win10

- After restart,
Choose “Other User”
- Example
 1. Insert “myserver\bambang.said” as username
 2. Insert its password