

# Activity 3

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Section: BSIT - 2D

Subject: ACSS

## Part two ACSS

Server  
change

ADDS  
DIN  
DHCP

Preffered router?

Classic Router

Desktop Router

More processing

8 mbps = 2mb of data

Data conversion

100mbps = 11mb data

1000mbps = 100mb data

Get performance by

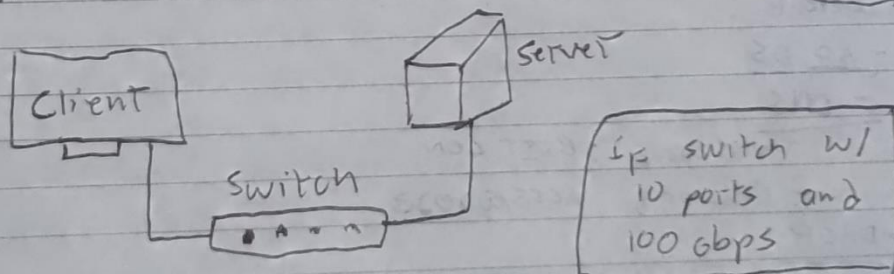
total mbps

divide in # of clients

8 mbps

IRL Illustration

11mb data / 5 clients = 2mb



Preffered Network Spec.

Switch 1000mbps / ~~1000~~ 1gbps

Cable utp CAT-6 1000mbps / 1gbps

pc built-in lan 1000mbps / 1gbps

then

each port gets 10 gbps  
each

Part two - The fun begins

~~+ Ping the client~~

ADDS - Active Directory Domain Services

### ADDS Steps

1. Ping the client network first
2. Pop-up config and install dashboard
3. Install ADDS
4. Install DNS (ADDS should be ~~checked~~ checked at this point)
5. Change Workgroup: Workgroup (disabled)  
↳ change to any preferred domain before domain deployment
6. Deployment configuration  
↳ choose Add new forest  
root domain name: BSIT.COM
7. Password: ACS@2023
8. After restart
9. Install DHCP
10. After restart, config post dhcp from warning link
11. ~~click DHCP~~
11. click tools → DHCP  
↳ server - pc  
↳ IPv6 or IPv4  
↳ Right click IPv4 then  
↳ New scope



Notes:

1. Don't check .NET 3.5 if server has no internet

2. Promote domain server to domain controller  
↳ to check

1. Go to system info
2. Check if it is workgroup
3. If true then click the link in warning

Details:

- AD DS

- DNS

- Workgroup : BSIT.COM

- Password : ACS@2023

- DHCP

- BSIT-DHCP-SCOPE

Range - 192.168.200.100 - 192.168.200.249

Subnet : 255.255.255.0

IP Router : 192.168.200.1  
(Gateway)

DATE: \_\_\_\_\_

12. IPv4 checking } → For checking  
    ↳ Scope            purpose  
    ↳ Address leases }

In client PC

13. Change static IP → DHCP
14. Change domain to BSIT.COM
- ~~15. Enable domain~~
15. Enable domain network profiles



## Pre detailing - Part 1

### Client

1. Download Windows 10 Enterprise
2. Make a bootable usb using Rufus and ISO file.
3. After installing the OS, check if all the drivers are properly installed (especially lan card)
4. Go to Network connections and change IP to static

### // Details IP

IP Address : (~~192.168.100.2~~) 192.168.1.100

Subnet mask : 255.255.255.0

Gateway : 192.168.1.100

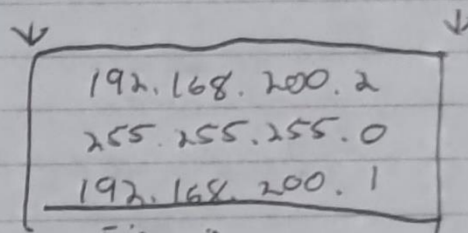


Fig. 2

### Server

1. Download Windows Server 2012
2. Make a bootable usb using the ISO file and Rufus
3. After installing the OS, check if all driver are properly installed. If not then install the necessary drivers
4. Go to network connections and change from DHCP → static (Refer to Fig 2)

## Pre Lab Part 1 - Basic Folder Sharing

### In Client PC (sharing client PC Folder)

1. Make a folder that want to be shared
2. Right click the folder then choose properties
3. ↳ Sharing → share → click drop down options
4. ↳ select "Everyone" → add → then share

### In server PC

1. Access the folder by a directory