

Configure IPv4 Static and Default Routes and Set Up DNS server

Time: 30 mins

- Take IP address 192.168.16.0 /22. Create necessary subnet to give IP address as following:
 - CSE subnet #1
 - ESE subnet #2
 - EEE subnet #3
 - MSE subnet #4
 - Then again subnet, subnet #5, to give IP address at Net-1, Net-2, Net-3 and Net-4.

Device Name	Interface	IP address
CSE_router	Gig 0/0	1 st usable IP address
	Gig 0/1	1 st usable IP address
	Gig 0/2	2 nd usable IP address
EEE_router	Gig 0/0	1 st usable IP address
	Gig 0/1	1 st usable IP address
	Gig 0/2	2 nd usable IP address
MSE_router	Gig 0/0	1 st usable IP address
	Gig 0/1	1 st usable IP address
	Gig 0/2	2 nd usable IP address
ESE_router	Gig 0/0	1 st usable IP address
	Gig 0/1	1 st usable IP address
	Gig 0/2	2 nd usable IP address
HTTP server (kuet.ac.bd)	Fa0	2 nd usable IP address
DNS server	Fa0	2 nd usable IP address
PC-A	Fa0	10 th usable IP address
PC-B	Fa0	10 th usable IP address
PC-C	Fa0	10 th usable IP address
PC-D	Fa0	10 th usable IP address

- Give IP address to all the devices.

3. On ESE_router, configure a **directly connected** IPv4 default route. This default route should be through router **CSE_router**. 1
4. On MSE_router, configure a **directly connected** IPv4 default route. This default route should be through router **EEE_router**. 1
5. Configure Static route from **CSE_router** to all other network using following route 2
 - a. CSE->ESE
 - b. CSE->MSE
 - c. CSE->MSE->EEE
6. Configure Static route from **EEE_router** to all other network using following route 2
 - a. EEE->ESE
 - b. EEE->MSE
 - c. EEE->ESE->CSE
7. Configure DNS server to access **kuet.ac.bd**. 1