

## Multi-Area - OSPF - CC

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Name: Rahul Gred  
Reg No: RA1911010010094  
Batch: CSE - TP304 - 02

Aim:

To see the implementation of multi area OSPF using Cisco Packet Tracer.

Procedure:-

- (i) Take 4 routers and 2 PC's
- (ii) Connect the 4 routers using serial connection.
- (iii) Connect the router to the switch and switch to PC's using fast ethernet connections.
- (iv) Now go to router 0 and enter the following CLI commands.

Router 0: CLI commands

- enable
- configure terminal
- interface fast ethernet 0/0.
- ip address 192.168.1.1 255.255.0.0.
- no shutdown.
- exit
- interface serial 0/2/0.

- (2)
- ip address 10.0.0.1 255.0.0.0
  - no shutdown
  - end
  - router ospf 1
  - network 192.168.1.0 0.255.255.255 area 1
  - network 10.0.0.0 0.0.0.255 area 1
  - exit

(v) Now, go to router 1 and enter the following commands.

Router 1 : CLI commands

- enable
- configure terminal
- interface serial 0/2/0.
- no shutdown
- exit
- interface serial 3/0.
- ip address 20.0.0.1 255.0.0.0.
- no shutdown
- exit
- router ospf 1
- ~~use~~ network 10.0.0.0 0.0.0.255 area 1
- network 10.0.0.0 0.0.0.255 area 0.
- exit.

## router 2 cli commands

(2)

- enable
- configure terminal
- interface serial 3/0
- ip address 20.0.0.2 255.0.0.0
- no shutdown
- interface serial 2/0
- ~~→ ip address 20.0.0.2 255.0.0.0~~
- ~~→ no~~
- ip address 30.0.0.1 255.0.0.0
- no shutdown
- exit
- router ospf 1
- network 20.0.0.0 0.0.0.255 area 0
- network 30.0.0.0 0.0.0.255 area 2
- exit

## router 3

- enable
- configure terminal
- interface fast ethernet 0/0
- ip address 192.168.22 255.255.255.0
- no shutdown
- exit
- interface serial 2/0

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- no shutdown
- Router ospf 1
- network 192.168.1.0 0.255.255.255 Area 2
- network 30.0.0.0 0.0.0.255 Area 2
- exit













