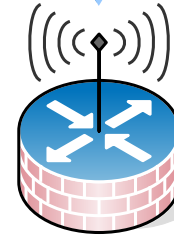
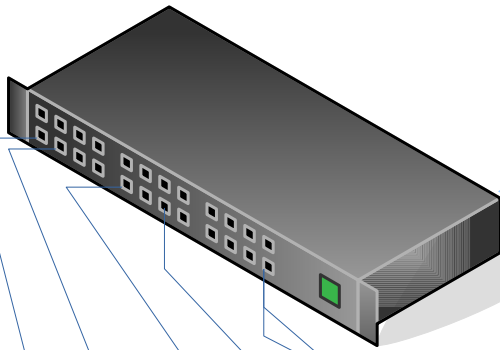


Public IP from ISP

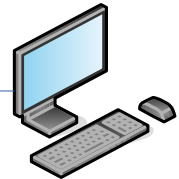


Managed Cisco Switch  
with network segmentation

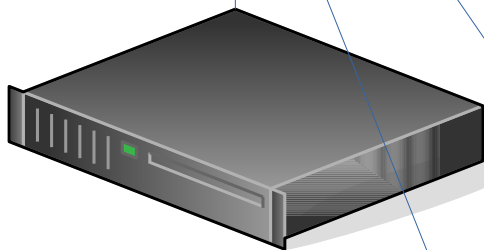


Router with Firewall  
Ip:172.16.0.0/20

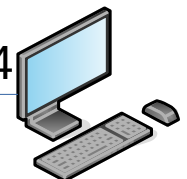
Marketing  
Department  
On 172.16.3.0/24



Rack Server with  
Hyper V Support on  
Central Servers network  
Segmentation  
IP: 172.16.1.10

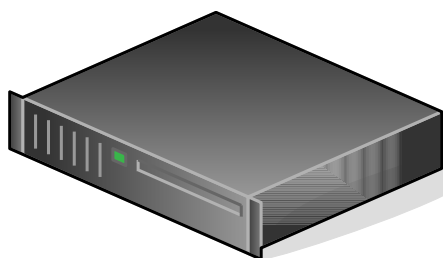


Technology  
Department  
On 172.16.5.0/24

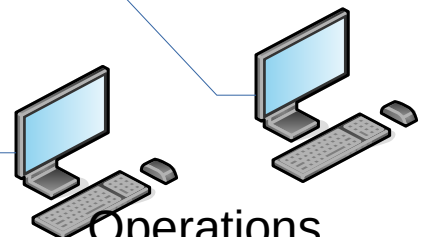


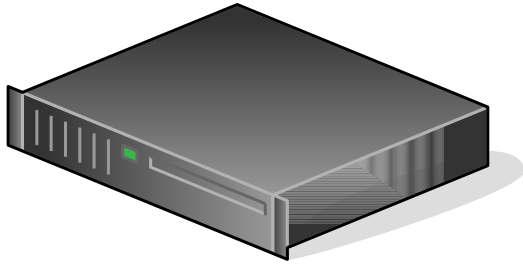
Accounting  
Department  
On 172.16.4.0/24

Client facing Server  
IP:172.16.1.11



Operations  
Department  
On 172.16.6.0/24





## **Server 2016 with hyper V installed**

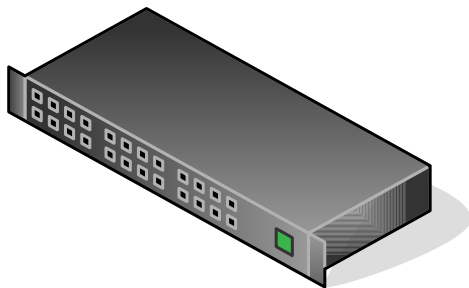
1. Configure two virtual machines and install server 2016 on both

- a. First VM1 will act as domain controller
- b. Second VM2 will act as file server

Note: the host pc will have an IP of 172.16.1.10.

VM1 an ip of 172.16.10.11.

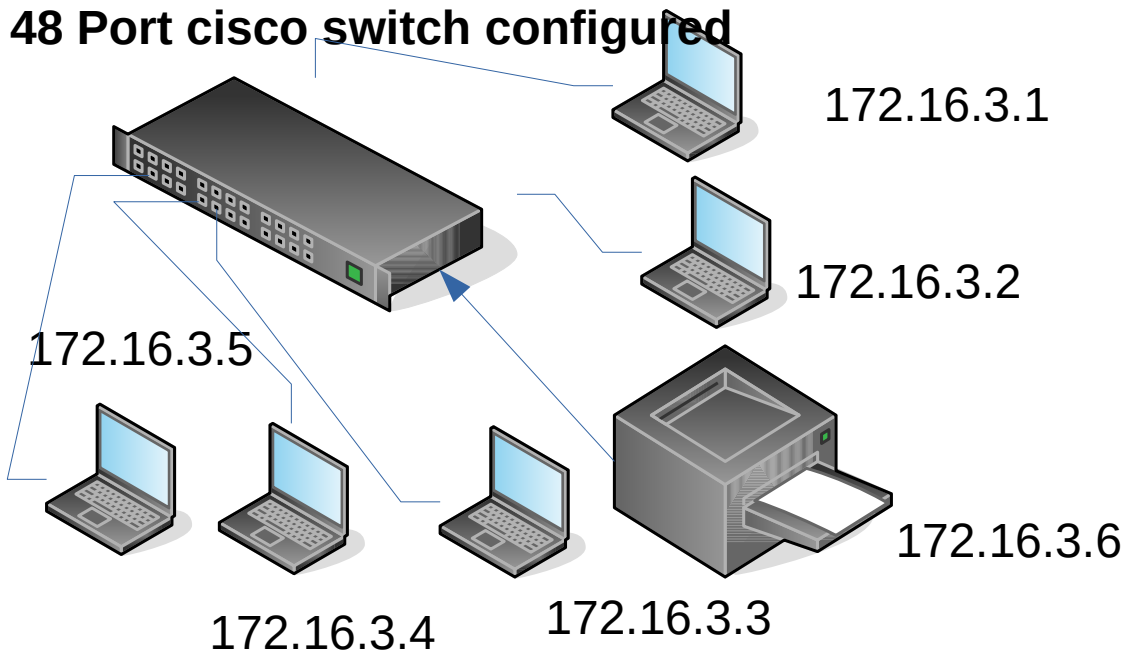
VM2 an ip of 172.16.10.12



## **Cisco Switch is segmented for the following network ports**

- 1. Client Servers 172.16.2.2/30
- 2. Central Servers 172.16.2.1/30
- 3. Marketing Department 172.16.3.2/30
- 4. Accounting Department 172.16.4.2/30
- 5. Technology Department 172.16.5.2/30
- 6. Operations Department 172.16.6.2/30

## 48 Port cisco switch configured



Marketing Department computers is connected to the segmented cisco switch with individual IP

**Note Same setup is replicated for other Departments with respective IP and subnet**

