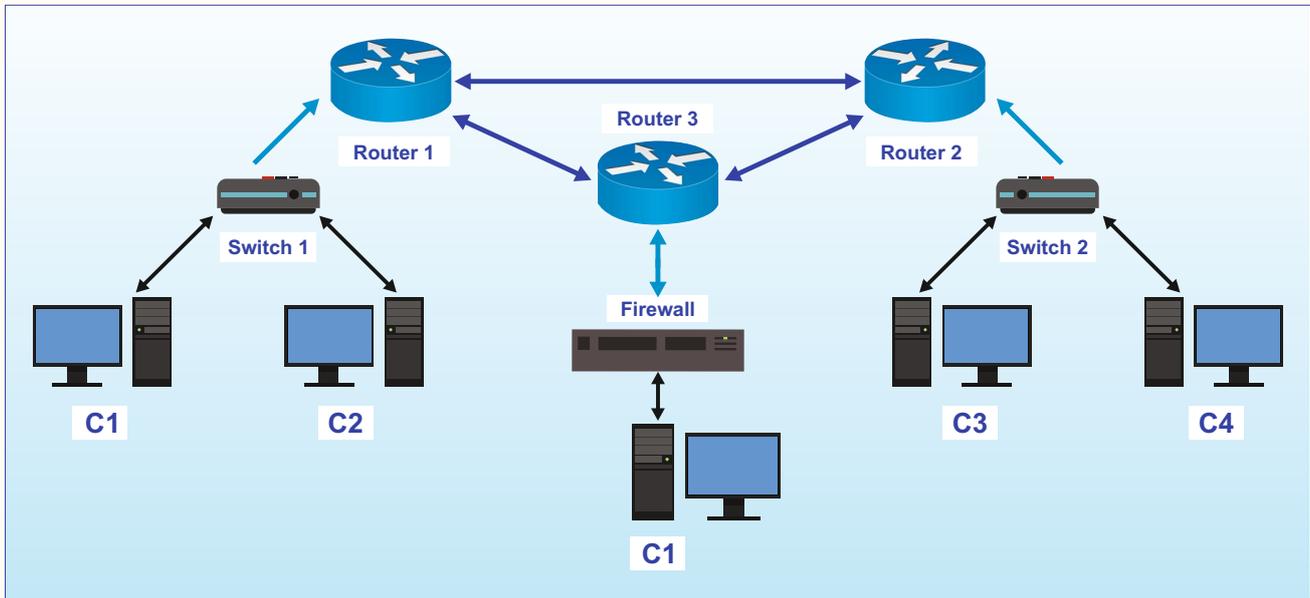




ROUTER TRAINER

MODEL - ROUTER1000

This trainer has been designed with a view to provide practical and experimental knowledge of different types of Routing technologies and experiments.



SPECIFICATIONS

1. Hardware

1. Routers : Cisco 1841 - 3 Nos.
2. Switches : Cisco - 2950 - 2 Nos
3. Firewall : Cisco - ASA5505 - 1 Nos
4. Desktop Computers : Standard Sysytm - 4 Nos with OS
5. Wifi Router : 1 No. D-link or equivalent
6. Wifi USB Cards : 2 Nos
7. RJ 45 Cross cables : 10 Nos.
8. Rj45 Straight Cables : 20 Nos.
9. All other cables, Adaptors and Accessories: As required
10. Standard Accessories :
 1. Trainer.
 2. Practical Manual
 3. Drivers and Operating Systems
 4. E-Books for Routers - 20 Nos.
 5. Mp4 Video Class - 40 Nos

Sigma Trainers and Kits
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Dealer:-

EXPERIMENTS

1. ROUTING EXPERIMENTS

1. Aim to Understand the basic working of Router on internet and Ip address.
2. Aim to Configure the Router interfaces with Ip addresses.
3. Aim to Understand the ICMP and perform PING between two Routers.
4. Aim to Configure the Static Routing between two Routers and understand the Routing table.
5. Aim to Configure the Default Routing between two Routers and understand the Route table.
6. Aim to Configure the RIP Routing between Routers and understand the Routing table.
7. Aim to Configure the EIGRP Routing between Routers and understand the topology.
8. Aim to Configure the OSPF Routing between Routers and understand the Routing table.
9. Aim to Configure the BGP Routing in topology to understand the working of protocol.
10. Aim to Configure the MPLS Routing between Routers to understand the multiprotocol Routing.

2. ROUTING SECURITY EXPERIMENTS

1. Aim to Configure the username and password on Router.
2. Aim to Understand and Configure the telnet access on Router.
3. Aim to Understand and perform the ssh access on Router.
4. Aim to Understand and perform the Standard access-list on Router.
5. Aim to Understand and perform the Extended access-list on Router.
6. Aim to Understand and Configure the HTTP server for Network.
7. Aim to Understand and Configure the FTP server for Network.
8. Aim to Understand and Configure the access-list to filter http traffic for IP's.
9. Aim to Understand and Configure the access-list to filter ICMP traffic for IP's.
10. Aim to Understand and Configure the tftp server for Emergency backup.
11. Aim to Understand and Configure the NAT on Network Topology.
12. Aim to Configure the DHCP Service .
13. Aim to Understand and Configure the DHCP Snooping.
14. Aim to Understand and Configure the MD5 password Authentication on Routers.
15. Aim to Configure ARP inspection.