Course Name : MTCTCE
Course Time : 16 Hrs.
Course Prerequisites : MTCNA

Course Outline

❖ **Packet flow diagram**

- Why this diagram is necessary?

- Full overview of all things covered by diagram

- Simple examples how packet travels through

- the diagram (routing, bridging, connection to router etc.) + LAB

- More complex examples of diagram usage +LAB

❖ **Firewall filter/nat/mangle**

- Connection tracking

- Filter + LAB

- NAT + LAB

- Mangle + LAB

- Some complicated rule "conditions" covered ("advanced", "extra" tab) + LAB

- uPNP

❖ **Quality of Service**

- HTB

- Burst + LAB

- Queue types

- Simple queues + LAB

- Simple queue and queue tree interaction

❖ **DNS client/cache**

- Basic configuration + LAB

- Static DNS Entry + LAB

❖ **DHCP client/relay/serve**

- DHCP communication analysis

- DHCP-client identification/ configuration + LAB

- DHCP server configuration: + LAB