

MTCTCE

Course Name:	MTCTCE
Course Duration:	16 hours
Requirements:	MTCNA
Who should take this Course:	Network engineers

Syllabus 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