

## MTCTCE & MTCUME

<b>Course Name:</b>	MTCTCE & MTCUME
<b>Course Duration:</b>	24 hours
<b>Requirements:</b>	MTCNA
<b>Who Should Take This Course:</b>	Network engineers

### Syllabus Course

Packet flow diagram	Basic configuration + LAB	Interface ECMP
Why this diagram is necessary?	Static DNS Entry + LAB	PPP Bridging
Full overview of all things covered by diagram	DHCP client/relay/serve	L2TP and EoIP + LAB
Simple examples how packet travels through the diagram (routing, bridging, connection to router etc.)+ LAB	DHCP communication analysis	L2TP and VPLS + LAB
More complex examples of diagram usage +LAB	DHCP-client identification + LAB	L2TP and BCP + LAB
Firewall filter/nat/mangle	configuration + LAB	Multilink Protocol
Connection tracking	DHCP server configuration: + LAB	MLPPP [optional]
Filter + LAB	PPP	IPSec
NAT + LAB	PPP Profile + LAB	Introduction
Mangle + LAB	PPP Secret + LAB	IPSec Peer
Some complicated rule "conditions" covered ("advanced", "extra" tab) + LAB	IP Pool	Policy
uPNP	PPTP/L2TP	Installed-SA
Quality of Service	PPTP and L2TP	Create IPSec between two routers with NAT + LAB
HTB	PPTP Client configuration + LAB	HotSpot
Burst + LAB	PPTP Server configuration + LAB	Introduction
Queue types	L2TP Client configuration + LAB	HotSpot Login Methods + LAB
Simple queues + LAB	PPTP Server configuration + LAB	Users + LAB
Simple queue and queue tree interaction	PPPoE	Monitor Users
DNS client/cache	PPPoE server and client	Profile + LAB
	PPPoE client configuration + LAB	Bypass HotSpot
	PPPoE Server configuration + LAB	Customize HotSpot + LAB
	Encryption + LAB	RADIUS
		RADIUS client + LAB
		RADIUS server
		User Manager + LAB
		RADIUS incoming