MTCINE

Course Nane:	MTCINE
Course Duration:	24 hours
Requirements:	MTCNA and MTCRE Certificates
Who Should Take This Course:	Network engineers

Syllabus Course

BGP
What is Autonomous System
What is BGP?
Path Vector algorithm
BGP Transport and packet types
iBGP and eBGP + LAB
Stub network scenarios and private AS removal + LAB
Non-stub scenarios + LAB
iBGP and eBGP multihop and loopback usage + LAB
Route distribution and routing filters + LAB
BGP best path selection algorithm
BGP prefix attributes and their usage + LAB
BGP route reflectors and confederations + LAB
MPLS
What is MPLS (basics)
Static Label Mapping + LAB
Label Distribution (LDP) + LAB
What is Penultimate-hop-popping
MPLS traceroute differences
LDP based VPLS tunnels + LAB
What is Bridge Split Horizon + LAB
VPLS Control Word (CW) usage
L2MTU importance and MPLS fragmentation
BGP based VPLS + LAB
VRF and route leaking + LAB
L3VPN (BGP based Layer3 tunnels) + LAB
OSPF as CE-PE protocol
Traffic Engineering
What is traffic engineering and how it works
RSVP, Static path, dynamic path (CSPF) + LAB
Bandwidth allocation and bandwidth limitation differences and settings + LAB