

## Course Outline on F5 Load Balancer

### 7 Eyes Technology

<b>Introduction to F5 LTM</b>	<p>Introduction to BIG-IP F5 LTM          What is Load balancing in F5          F5 LTM EVE NG Images          F5 LTM and Hardware Details          Trail License &amp; Download Image</p>
<b>F5 LTM LAB Setup</b>	<p>Different Lab Setup Options          Configure Lab Setup in EVE-NG          Download VMWare Workstation          Install F5 BIG-IP LTM on EVE-NG          TTY Linux as Web-Server in EVE-NG          Tiny Core as Web-Server in EVE-NG          Download F5 image</p>
<b>F5 LTM Deployment Method</b>	<p>VLAN Tagged in F5 BIG-IP LTM          F5 BIG-IP LTM Deployment Methods          One-Armed Deployment Method Lab</p>
<b>F5 LTM Bootstrap</b>	<p>F5 LTM Initial Configuration          F5 LTM License Activation          F5 LTM Resource Provisioning          F5 LTM Fresh Backup and Restore          F5 LTM TMSH CLI Commands</p>
<b>Initial Working LAB</b>	<p>Configure Backend Web Servers          F5 LTM Initial Working Lab in EVE-NG          Configure and Verify VLAN in F5 LTM          Configure and Verify Self-IP in F5 LTM          Configure &amp; Verify Interfaces in F5 LTM          Configure and Verify Nodes in F5 LTM          Configure &amp; Verify Pool &amp; Pool Members          Introduction to Virtual Server</p>
<b>F5 LTM Load-Balancing Methods</b>	<p>F5 LTM Load-Balancing Methods          Static Load Balancing Methods          Dynamic Load Balancing Methods          Round Robin Load Balancing Methods          Ratio Static Load Balancing Methods          Least Connections Load Balancing          Load-Balancing by Pool Member &amp; Node          Group Activation F5 LTM          Fallback Host Method in F5 LTM</p>
<b>F5 LTM Monitoring</b>	<p>Monitoring, Methods and Types          Address Check Monitors in F5 LTM          Service Check Monitors in F5 LTM          Content Check Monitors in F5 LTM</p>

	<ul style="list-style-type: none"> <li>Node Specific Monitor in F5 LTM</li> <li>Pool Monitor in F5 LTM</li> <li>Member Specific Monitor in F5 LTM</li> <li>Network Map in F5 LTM</li> </ul>
Network Address Translation NAT	<ul style="list-style-type: none"> <li>Network Address Translation NAT</li> <li>Main Four Types of Secure NAT</li> <li>Secure NAT Type AutoMap</li> <li>SNAT Type SNAT Pool List</li> <li>Network Address Translation List</li> </ul>
F5 LTM Profiles	<ul style="list-style-type: none"> <li>Profiles and Profile Types</li> <li>Persistence Profile and Types</li> <li>Source Address Persistence Profile</li> <li>Cookie Insert Persistence Profile</li> <li>Client SSL Profile</li> <li>Client SSL Profile Lab</li> <li>One Connect Profile</li> </ul>
F5 LTM Features	<ul style="list-style-type: none"> <li>Packet Filter in F5 LTM</li> <li>iApp in F5 Local Traffic Manager</li> <li>iHealth in F5 Local Traffic Manager</li> <li>iRule in F5 Local Traffic Manager</li> </ul>
Monitoring & Tshoot	<ul style="list-style-type: none"> <li>TCPDUMP Packet Capture Commands</li> <li>Simple Network Management Protocol</li> <li>Configure &amp; Verify SNMP Lab</li> <li>Local &amp; Remote Logging in F5 LTM</li> </ul>
High Availability (HA)	<ul style="list-style-type: none"> <li>Theory of High Availability (HA)</li> <li>Device Service clusters</li> <li>Different types of Device groups</li> <li>Steps to configuring HA groups</li> <li>Floating IP addresses and MAC Masquerading</li> <li>Failover options and methods</li> <li>High Availability Active/Standby Lab</li> </ul>