

# Details Course Outlines

## Module -01

### Introduction to the BIG-IP TMOS platform

- ✓ Components of the BIG-IP platform (H/W and S/W)
- ✓ Different form factors
- ✓ Available modules
- ✓ Quick review of half vs full proxy and OneConnect

## Module -02

### Initial Access and Installation

- ✓ Initial setup
- ✓ Licensing
- ✓ Provisioning

## Module -03

### Traffic Objects

- ✓ Nodes, Pool Members
- ✓ Virtual Servers and Pools
- ✓ Different types of Virtual Servers and use cases

## Module -04

### Load Balancing Methods

- ✓ Member vs node
- ✓ Static load-balancing methods
- ✓ Dynamic load-balancing methods
- ✓ Priority group activation
- ✓ Fallback host

## Module -05

### Monitors

- ✓ Monitors overview
- ✓ Different types of monitors
- ✓ Advanced monitor options
- ✓ Assignment of monitors and Object Status
- ✓ Monitor logging

## Module -06

### About Profiles

- ✓ Need for profiles
- ✓ Profile types
- ✓ Profile Dependencies

## Module -07

### Persistence

- ✓ Stateful vs stateless applications
- ✓ Different methods for persistence
- ✓ Match across options

## Module -08

### SSL Traffic handling

- ✓ **Understanding the PKI terminology**
- ✓ Different options for handling SSL

## Module -09

### NAT and SNAT

- ✓ Comparing NAT and SNAT
- ✓ SNAT for inbound traffic
- ✓ SNAT for outbound traffic

## Module -10

### High Availability

- ✓ Understanding Traffic Groups
- ✓ Device Service clusters
- ✓ Different types of Device groups
- ✓ Steps to configuring HA groups
- ✓ Floating IP addresses and MAC Masquerading
- ✓ Failover options and methods
- ✓ Configuring stateful failover

### Managing the BIG IP system

## Module -11

### Controlling access and backups

- ✓ User roles
- ✓ SCF and UCS backups
- ✓ Port lockdowns and Packet filters

## Module -12

### Customised behaviour

- ✓ iRules and iApps
- ✓ Strict updates