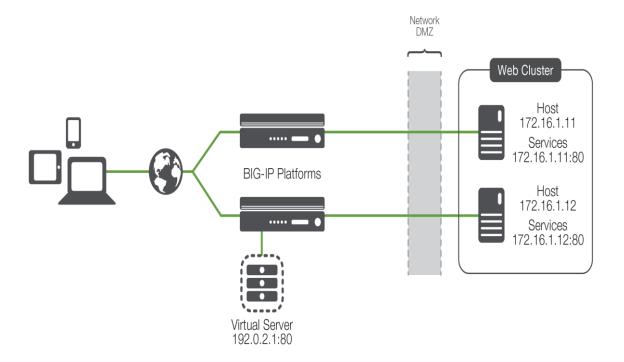
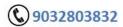
# TechyEdz Solutions

Training | Consulting | Developement | Outsourcing



F5 Load Balancer









# Microsoft Exchange Server 2016 / 2019

#### Course Overview:

This course teaches IT professionals how to administer and support Exchange Server. The course covers how install and configure Exchange Server. It also covers how to manage mail recipients and public folders, including how to perform bulk operations by using Exchange Management Shell. In addition, the course covers how to manage client connectivity, message transport and hygiene, and highly available Exchange Server deployments. It also covers how to implement disaster recovery solutions. Finally, the course covers how to maintain and monitor an Exchange Server deployment and how to administer Exchange Online in a Office 365 deployment.

#### Course Outline:

## 1. Introduction to Exchange Server Environment

- Understanding Messaging System
- > Understanding on Exchange Server versions
- Exchange server 2016 Editions and Comparison
- > Exchange server 2016 roles

#### 2. Installing Exchange Server 2016

- Pre-Requisite Installing Exchange Server 2016
- Installing Exchange Server 2016
- Verifying Exchange server 2016 installation

#### 3. Configuring and Managing Client Access

- Understanding the Different Client Access Protocol
- Understand how Client Access works
- Configuring outlook with RPC/MAPI,SMTP with POP /IMAP
- Understanding Autodiscover Service
- Configuring Outlook with AutoDiscover
- Configuring Rules and Alerts in Client
- Sharing Inbox, calendar, Mailbox
- Understand the MailTip Configuration
- Understand the Outlook Anywhere

#### 4. Mailbox Database and Public Folder Database Management

- Understanding Mailbox Database and Public Folder Database
- Creating and Configuring Mailbox Database, Public Folder Database using Management console
- Creating and Configuring Mailbox Database, Public Folder Database using PowerShell
- Understanding Managed folders
- Configuring Default and Custom Managed Folders
- Configuring Message Record Management

### 5. Recipient Management

- Understanding Recipient types
- Creating and Configuring Mailbox User, Mail User, Mail Contact, Mail Group using Management Console
- Creating and Configuring Mailbox User, Mail User, Mail Contact, Mail Group using PowerShell
- Understanding Resource Mailbox
- Creating and Configuring Resource Mailbox (Room Mailbox, SharedMailbox)
- Accessing Free/busy information
- Understanding AddressList
- > Types of AddressList
- Configuring AddressList
- Understanding E-mail Address Policy
- Configuring E-mail Address Policy
- Understanding Accepted Domains

#### 6. Mail Routing (Hub Transport and Edge Transport Server)

- Understanding How Mail Routing works with in the Mail Server
- Understanding How Mail Routing works with the Different Mail server
- Understanding How Mail Routing works with the Different Sites
- Understanding How Mail Routing works with the Different Organization
- Configuring Mail Routing between the sites
- Configuring Mail Routing Between the Organization
- Understanding Edge Transport Server
- Installing and Configuring Edge Transport Server

#### 7. Implementing Messaging Security and Message compliance

- Configuring Anti-Spam Solution
- Understanding Transport rules
- Configuring Transport rules

- Understanding Journaling
- Configuring journal rules

#### 8. Data Loss Prevention

- Understanding the DLP Concepts
- Configuring the DLP Policies
- Understanding the Sensitivity Info Types
- Creating and configuring the MailTips
- Testing the DLP Policies with Internal and External recipients

#### 9. Securing Microsoft Exchange Server 2016

- Understanding Role Based Access Control
- Configuring Role Based Access Control

#### 10. Overview and Managing High-Availability

- Overview of High-Availability
- Infrastructure High-Availability
- Database Availability Group

#### 11. Introduction to Exchange Management Shell

- Understanding the Exchange Server Powershell Module
- Understanding the Internal Help of Exchange management shell cmdlets
- Day-to-Day Management of Exchange Tasks using Powershell
- Health reporting using Powershell Module
- Scripting using Exchange Management Shell
- Creating Bulk Mailboxes using Powershell.

#### 12. Backup and Restore

- Overview of Disaster Recovery Scenarios
- Introduction on Backup Procedures
- Backup Types
- Managing an Exchange Server Backup Schedule
- Recovering Mail
- Configuring Litigation Hold and Single Item Recovery
- Recovering Mailbox Database using Dial-Tone Recovery

#### 13. Maintaining Exchange Server 2016

- Monitoring Exchange Server 2016
- Trouble shooting Exchange Server 2016

Upgrading Exchange Server 2013 To Exchange Server 2016

#### 14. Overview of Office 365 Exchange Online

- Understanding & comparing the Office 365 Mailbox Licenses
- Understanding SaaS (Software as a Service)
- Understanding the Cloud Exchange Environment
- Understanding the Hybrid configuration
- Connecting to Office 365 Remote Powershell
- Prerequisites:

In addition to their professional experience, students who attend this training should already have the following technical knowledge:

- Minimum of two years of experience administering Windows Server.
- Minimum of two years of experience working with Active Directory Domain Services (AD DS).
- Minimum of two years of experience working with name resolution, including Domain Name System (DNS).
- Understanding of TCP/IP and networking concepts.
- Understanding of security concepts such as authentication and authorization.
- Understanding of Simple Mail Transfer Protocol (SMTP).
- Working knowledge of public key infrastructure (PKI) technologies, including Active Directory Certificate Services (AD CS).

#### Who Should Attend:

- This course is intended for IT professionals who are experienced messaging administrators, messaging architects, or consultants. This course is designed for professionals in an enterprise environment who are responsible for designing and deploying Exchange Server 2016 solutions, including environments that contain previous versions of Exchange Server or Exchange Online. Students are expected to have experience with Exchange Server 2016 or previous versions of Exchange Server.
- ➤ This course is also intended as preparation material for IT professionals who are looking to take the 70-345: Designing and Deploying Microsoft Exchange Server
- ➤ 2016 exam as part of the requirement for the MCSE: Microsoft Exchange Server 2016 certification.

Number of Hours: 40hrsCertification: 70-345

# **Key Features:**

- One to One Training
- Online Training
- > Fastrack & Normal Track
- > Resume Modification
- Mock Interviews
- Video Tutorials
- Materials
- > Real Time Projects
- Virtual Live Experience
- Preparing for Certification