Day-wise Curriculum Azure AD and Security | 5 Days |

Day1

Module 0 – Introduction

(Trainer/Audience/Course/Lab Etc) Module 01 – Azure

AD – Overview

- ☐ **Azure AD Features**
- ☐ **Azure AD vs AD DS**
- ☐ **Roles for Azure AD**
- ☐ **Azure AD Domain Services**
- ☐ **Azure AD Users and Groups**
- ☐ **Administrative Units**
- ☐ **Password less**

Module02 - Integrating on-premises Active Directory with Azure Module Overview

- ☐ **Azure AD as a directory service for on-premises environments**
- ☐ **Configuring Federation using ADFS to provide claims-aware authentication for multiple organizations.**
- ☐ **Configuring Federation between Azure AD and ADFS**
- ☐ **Publishing ADFS to internet using WAP (Windows Application Proxy)**
- ☐ **Configuring SSO with Azure AD**
- ☐ **Managing synchronized directories**
- ☐ **Lab: Using Azure AD in hybrid environments**

Day 2

Module 03 - Configuring and protecting authentication in hybrid environments

- ☐ **Authenticating users in hybrid environments**
- ☐ **Implementing multi-factor authentication**
- ☐ **Creating and configuring conditional access policies**
- ☐ **Lab: Configuring authentication in hybrid environments**
- ☐ **Intune configuration & deployment**
- ☐ **Azure AD join, Hybrid Join issues**
- ☐ **Application registration in Azure AD and app proxy**
- ☐ **Authentication method policies and Password Protection**
- ☐ **Configuration of Device registration for syncing devices to Azure cloud**
- ☐ **Identity protection**
- ☐ **Lab: App integration. Intune device registration and management.**
- ☐

Day 3

Module 04 - Monitoring Azure AD

- ☐ **Monitoring Azure AD health**
- ☐ **Azure AD reporting**

- ☐ **Azure AD reporting using Graph API**
- ☐ **Monitoring Azure AD**
- ☐ **Analysis of Audit and sign in logs**
- ☐ **Lab: Configuring reporting and monitoring**

Module 05 – Azure Administration – Securing Network, Storage

- ☐ **Introduction to Azure Administration Fundamentals**
- ☐ **Manage Virtual Networks**
- ☐ **Deploy and manage Virtual Machines (VMs)**
- ☐ **LAB - Deploy and manage Virtual Machines (VMs)**
- ☐ **VM creation & troubleshooting**
- ☐ **VM connectivity (RDP, Bastion)**
- ☐ **Jump box creations**

Day 4

- ☐ **Lab - Configure and manage virtual networks**
- ☐ **Point-to-Site VPN**
- ☐ **Site-to-Site VPN**
- ☐ **Advanced Virtual Networking (NSG)**
- ☐ **Secure and isolate with NSG and Service Endpoints**
- ☐ **Secure Azure Storage Account**
- ☐ **Lab – How to Secure Azure Storage Account**
- ☐ **Log Analytics (OMS)**
- ☐ **Implement advanced network security**
- ☐ **Azure Blueprint**
- ☐ **Demo - Azure Light House**
- ☐ **Azure Governance**
- ☐ **Update Management (Patching Windows & Non-Windows) on VMs**
- ☐ **Key Vault Management (Credential & Logs mgt)**
- ☐ **Management Groups**

Day 5

Module 06 – Azure Security - Security Operations

- ☐ **Configure centralized policy management by using Azure Security Center**
- ☐ **Monitor security by using Azure Security Center**
- ☐ **Monitor security by using Azure Sentinel**

- Incident response with alerting on Azure
- Protect against security threats Azure
- Protect your servers and VMs from brute force attacks with Az Security Center
- Lab - Resolve security threats with Az Security Center
- Demo Lab - Monitor security by using Azure Security Center
- Demo - Monitor security by using Azure Sentinel