Configuring and Operating Windows Virtual Desktop on Microsoft Azure

Duration: *4 Day(s)*

Course Overview

This course teaches Azure administrators how to plan, deliver, and manage virtual desktop experiences and remote apps, for any device, on Azure. Students will learn through a mix of demonstrations and hands-on lab experiences deploying virtual desktop experiences and apps on Windows Virtual Desktop and optimizing them to run in multi-session virtual environments.

Review this course online at https://www.alta3.com/courses/AZ-140T00

Objectives

- Design a scalable Windows Virtual Desktop architecture.
- Implement role-based access and manage security for Virtual Desktop.
- Optimize and monitor the performance of Windows Virtual Desktops.
- Automate deployment and management tasks for efficiency.

Who Should Attend

- Azure Administrators
- Windows Virtual Desktop Administrators
- IT Architects
- Microsoft 365 Administrators

Prerequisites

Course Outline

Module 1: Plan a Windows Virtual Desktop Architecture

1. Windows Virtual Desktop Architecture
2. Design the WVD architecture
3. Design for User Identities and Profiles
4. Understand Windows Virtual Desktop Components
5. Understand personal and pooled desktops
6. Recommend an operating system for a WVD implementation
7. Plan a host pools architecture

Module 2: Implement a WVD Infrastructure

8. Implement and Manage Networking for WVD
9. Implement and Manage Storage for WVD

10. Create and Configure Host Pools and Session Hosts
11. Create and Manage Session Host Image
12. Implement Azure virtual network connectivity
13. Manage connectivity to the internet and on-premises networks
14. Understanding Windows Virtual Desktop network connectivity
15. Configure WVD session hosts using Azure Bastion
16. Configure storage for FSLogix components
17. Configure disks and file shares
18. Modify a session host image
19. Create and use a Shared Image Gallery (SIG)

Module 3: Manage Access and Security

20. Manage Access
21. Manage Security
22. Manage local roles, groups and rights assignment on WVD session hosts
23. Configure user restrictions by using AD group policies and Azure AD policies
24. Understand Conditional Access policy components
25. Prepare for Azure Active Directory (Azure AD)-based Conditional Access for Windows Virtual Desktop
26. Implement Azure AD-based Conditional Access for Windows Virtual Desktop

Module 4: Manage User Environments and Apps

27. Implement and Manage FSLogix
28. Configure User Experience Settings
29. Install and Configure Apps on a Session Host
30. Configure Profile Containers
31. Configure Azure Files to store profile containers for WVD in an AAD DS environment
32. Implement FSLogix based profiles for Windows Virtual Desktop in Azure AD DS environment
33. Implement FSLogix based profiles for Windows Virtual Desktop
34. Prepare for and create MSIX app packages
35. Implement MSIX app attach container for Windows Virtual Desktop in AD DS environment

Module 5: Monitor and Maintain a WVD Infrastructure

36. Plan and Implement Business Continuity and Disaster Recovery
37. Automate WVD Management Tasks
38. Monitor and Manage Performance and Health
39. Plan and implement a disaster recovery plan for WVD
40. Configure automation for WVD
41. Monitor WVD by using Azure Monitor
42. Customize Azure Workbooks for WVD monitoring
43. Configure autoscaling of Windows Virtual Desktop session hosts
44. Verify autoscaling of Windows Virtual Desktop session host