

AZ-140: Azure Virtual Desktop Specialty – MS Learn Aligned Course Plan

Course Overview

This 40+ hours course is fully aligned with Microsoft Learn for AZ-140: Azure Virtual Desktop Specialty. It focuses on planning, implementing, securing, managing, and monitoring Azure Virtual Desktop (AVD) environments for enterprise workloads.

Target Audience

- Azure Administrators
- Virtual Desktop Administrators
- Cloud Engineers
- IT Infrastructure Engineers
- AZ-140 certification aspirants

Course Duration

Total Duration: 40–45 Hours

Learning Path 1: Plan an Azure Virtual Desktop Implementation (8 Hours)

- Azure Virtual Desktop architecture
- Licensing and prerequisites
- Identity and authentication planning
- Network design and connectivity
- Capacity planning
- Host pool types and scenarios
- Hands-on planning labs

Learning Path 2: Implement an Azure Virtual Desktop Infrastructure (10 Hours)

- Creating host pools
- Session host configuration
- VM sizing and image management
- FSLogix profile containers
- Application groups
- Azure AD Join and Hybrid Join
- Hands-on deployment labs

Learning Path 3: Manage Access and Security for Azure Virtual Desktop (7 Hours)

- Role-based access control (RBAC)
- Conditional Access

- MFA integration
- Network security groups
- Secure access to AVD resources
- Zero Trust principles

Learning Path 4: Manage User Environments and Apps for Azure Virtual Desktop (7 Hours)

- User profiles and FSLogix
- Application deployment strategies
- MSIX app attach
- User experience optimization
- Windows client configuration
- App lifecycle management

Learning Path 5: Monitor and Maintain an Azure Virtual Desktop Infrastructure (6 Hours)

- Azure Monitor and Log Analytics
- Diagnostics and alerts
- Troubleshooting connectivity and performance
- Scaling and automation
- Backup and disaster recovery
- Update management

Hands-on Labs & Capstone Project (5 Hours)

- End-to-end Azure Virtual Desktop deployment
- Secure multi-user environment setup
- Configure monitoring and alerts
- Optimize performance and costs
- Real-world enterprise AVD scenario

Exam Preparation & Review (3 Hours)

- AZ-140 exam objectives mapping
- Scenario-based questions
- Mock exams
- Final revision

Certification Details

Exam Code: AZ-140

Duration: 120 minutes

Question Types: Case studies, MCQs

Certification: Azure Virtual Desktop Specialty

Outcome

After completing this course, learners will be able to plan, deploy, secure, manage, and monitor enterprise-grade Azure Virtual Desktop environments.