



MCSD: Specialist Microsoft Azure

Details Course Outline

Developing Microsoft Azure *Solution (Exam 70-532)*

<p>Lesson 1: Overview of the Microsoft Azure Platform</p> <ul style="list-style-type: none"> • Azure Services • Azure Portals <p>Lesson 2: Building Application Infrastructure in Azure</p> <ul style="list-style-type: none"> • Constructing Azure Virtual Machines • Azure Virtual Machine Workloads • Migrating Azure Virtual Machine Instances • Highly Available Azure Virtual Machines • Virtual Machine Configuration Management • Customizing Azure Virtual Machine Networking <p>Lesson 3: Hosting Web Applications on the Azure Platform</p> <ul style="list-style-type: none"> • Azure Web Apps • Hosting Web Applications in Azure • Configuring an Azure Web App • Publishing an Azure Web App <p>Lesson 4: Storing SQL Data in Azure</p> <ul style="list-style-type: none"> • Storing SQL Data in Azure • Managing SQL Databases in Azure • Azure SQL Database Tools • Securing and Recovering an Azure SQL Database Instance <p>Lesson 5: Designing Cloud Applications for Resiliency</p> <ul style="list-style-type: none"> • Application Design Practices for Highly Available Applications • Application Analytics • Building High Performance Applications by Using ASP.NET • Common Cloud Application Patterns • Caching Application Data 	<p>Lesson 6: Storing Tabular Data in Azure</p> <ul style="list-style-type: none"> • Azure Storage Overview • Azure Storage Tables Overview • Table Entity Transactions <p>Lesson 7: Storing and Consuming Files from Azure Storage</p> <ul style="list-style-type: none"> • Storage Blobs • Controlling Access to Storage Blobs and Containers • Configuring Azure Storage Accounts • Azure Files <p>Lesson 8: Designing a Communication Strategy by Using Queues and Service Bus</p> <ul style="list-style-type: none"> • Azure Storage Queues • Azure Service Bus • Azure Service Bus Queues • Azure Service Bus Relay • Azure Service Bus Notification Hubs <p>Lesson 9: Automating Integration with Azure Resources</p> <ul style="list-style-type: none"> • Azure SDK Client Libraries • Scripting Azure Service Management by Using Windows PowerShell • Azure REST Interface • Azure Resource Manager <p>Lesson 10: Securing Azure Web Applications</p> <ul style="list-style-type: none"> • Azure Active Directory • Azure AD Directories • Azure AD Multi-Factor Authentication
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Implementing Microsoft Azure Infrastructure Solutions (*Exam 70-533*)

<p>Lesson 1: Introduction to Azure</p> <ul style="list-style-type: none"> • Cloud technology overview • Overview of Azure • Managing Azure with the Azure portal 	<p>Lesson 6: Planning and implementing storage, backup, and recovery services</p> <ul style="list-style-type: none"> • Planning storage • Implementing and managing storage
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<ul style="list-style-type: none"> • Managing Azure with Windows PowerShell • Overview of Azure Resource Manager • Azure management services <p>Lesson 2: Implementing and managing Azure networking</p> <ul style="list-style-type: none"> • Overview of Azure networking • Implementing and managing Azure virtual networks • Configuring Azure virtual networks • Configuring Azure virtual network connectivity • Overview of Azure classic networking <p>Lesson 3: Implementing virtual machines</p> <ul style="list-style-type: none"> • Overview of Azure Resource Manager virtual machines • Planning for Azure virtual machines • Deploying Azure Resource Manager virtual machines • Authoring Azure Resource Manager templates • Overview of classic virtual machines <p>Lesson 4: Managing virtual machines</p> <ul style="list-style-type: none"> • Configuring virtual machines • Configuring virtual machine disks • Managing and monitoring Azure virtual machines • Managing classic virtual machines <p>Lesson 5: Implementing Azure App services</p> <ul style="list-style-type: none"> • Introduction to App Service • Planning app deployment in App Service • Implementing and maintaining web apps • Configuring web apps • Monitoring web apps and WebJobs • Implementing mobile apps • Traffic Manager 	<ul style="list-style-type: none"> • Implementing Azure Content Delivery Networks • Implementing Azure Backup • Planning for and implementing Azure Site Recovery <p>Lesson 7: Planning and implementing Azure SQL Database</p> <ul style="list-style-type: none"> • Planning and deploying Azure SQL Database • Implementing and managing Azure SQL Database • Managing Azure SQL Database security • Monitoring Azure SQL Database • Managing Azure SQL Database business continuity <p>Lesson 8: Implementing PaaS cloud services</p> <ul style="list-style-type: none"> • Planning and deploying PaaS cloud service • Managing and maintaining cloud services <p>Lesson 9: Implementing Azure Active Directory</p> <ul style="list-style-type: none"> • Creating and managing Azure AD tenants • Configuring application and resource access with Azure AD • Overview of Azure AD Premium <p>Lesson 10: Managing Active Directory in a hybrid environment</p> <ul style="list-style-type: none"> • Extending an on-premises Active Directory domain to Azure IaaS • Implementing directory synchronization by using Azure AD Connect • Implementing federation <p>Lesson 11: Implementing Azure-based management and automation</p> <ul style="list-style-type: none"> • Implementing Microsoft Operations Management Suite (OMS) • Implementing Azure Automation • Implementing Automation runbooks • Managing Azure Automation
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Architecting Microsoft Azure Solutions (Exam 70-534)