

Microsoft Azure Administrator Certification Transition

<https://www.microsoft.com/en-us/learning/exam-az-102.aspx>

Manage Azure subscriptions and resources (5-10%)

Section 1: Analyze resource utilization and consumption

1.1 Configure diagnostic settings on resources

<https://docs.microsoft.com/en-us/azure/monitoring-and-diagnostics/monitoring-overview-of-diagnostic-logs>

1.2 Create baseline for resources

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-manager-export-template>

1.3 Create and test alerts

<https://docs.microsoft.com/en-us/azure/monitoring-and-diagnostics/monitoring-overview-alerts>

1.4 Analyze alerts across subscription

<https://docs.microsoft.com/en-us/azure/monitoring-and-diagnostics/monitoring-overview-unified-alerts>

1.5 Analyze metrics across subscription

<https://docs.microsoft.com/en-us/azure/monitoring/monitoring-data-collection>

1.6 Create action groups

<https://docs.microsoft.com/en-us/azure/monitoring-and-diagnostics/monitoring-action-groups>

1.7 Monitor for unused resources

<https://docs.microsoft.com/en-us/azure/azure-monitor/overview>

1.8 Monitor spend

<https://docs.microsoft.com/en-us/azure/billing/billing-getting-started>

1.9 Report on spend

<https://docs.microsoft.com/en-us/azure/billing/billing-download-azure-invoice-daily-usage-date>

1.10 Utilize Log Search query functions

<https://docs.microsoft.com/en-us/azure/log-analytics/query-language/get-started-queries>

1.11 View alerts in Log Analytics

<https://docs.microsoft.com/en-us/azure/log-analytics/log-analytics-tutorial-response>

Implement and manage storage (5-10%)

Section 2: Configure Azure files

2.1 Create Azure file share

<https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-create-file-share>

2.2 Create Azure File Sync service

<https://docs.microsoft.com/en-us/azure/storage/files/storage-sync-files-deployment-guide?tabs=portal>

2.3 Create Azure sync group

<https://docs.microsoft.com/en-us/azure/storage/files/storage-sync-files-deployment-guide?tabs=portal#create-a-sync-group-and-a-cloud-endpoint>

2.4 Troubleshoot Azure File Sync

<https://docs.microsoft.com/en-us/azure/storage/files/storage-sync-files-troubleshoot?tabs=portal#portal>

Configure and manage virtual networks (15-20%)

Section 3: Create connectivity between virtual networks

3.1 Create and configure VNET peering

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-peering-overview>

3.2 Create and configure VNET to VNET

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-vnet-vnet-rm-ps>

3.3 Verify virtual network connectivity

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-faq>

3.4 Create virtual network gateway

<https://blogs.technet.microsoft.com/canitpro/2017/06/28/step-by-step-configuring-a-site-to-site-vpn-gateway-between-azure-and-on-premise/>

Section 4: Configure name resolution

4.1 Configure Azure DNS

<https://docs.microsoft.com/en-us/azure/dns/dns-getstarted-portal>

4.2 Configure custom DNS settings

<https://docs.microsoft.com/en-us/azure/app-service/app-service-web-tutorial-custom-domain>

4.3 Configure DNS zones

<https://docs.microsoft.com/en-us/azure/dns/dns-operations-dnszones-portal>

Manage identities (15–20%)

Section 5: Manage Azure Active Directory (AD)

5.1 Add custom domains

<https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/add-custom-domain>

5.2 Configure Azure AD Identity Protection, Azure AD Join, and Enterprise State Roaming

<https://docs.microsoft.com/en-us/azure/active-directory/devices/enterprise-state-roaming-enable>

5.3 Configure self-service password reset

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/quickstart-sspr>

5.4 Implement conditional access policies

<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/overview>

5.5 Manage multiple directories

<https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/active-directory-administer>

5.6 Perform an access review

<https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview>

Section 6: Implement and manage hybrid identities

6.1 Install and configure Azure AD Connect

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-install-express>

6.2 Configure federation and single sign-on

<https://docs.microsoft.com/en-us/azure/active-directory/manage-apps/configure-single-sign-on-non-gallery-applications>

6.3 Manage Azure AD Connect

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-install-custom>

6.4 Manage password sync and writeback

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-sspr-writeback>

Evaluate and perform server migration to Azure (15–20%)

Section 7: Evaluate migration scenarios by using Azure Migrate

7.1 Discover and assess environment

<https://docs.microsoft.com/en-us/azure/migrate/tutorial-assessment-vmware>

7.2 Identify workloads that can and cannot be deployed

<https://social.technet.microsoft.com/Forums/windows/en-US/6b314ea8-1a99-4b36-877d-9758dcec4005/azure-70533-exam-question-about-the-vm-quotdeploy-workloads-on-armquot-test-objective?forum=CertGeneral>

7.3 Identify ports to open

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/nsg-quickstart-portal>

7.4 Identify changes to network

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-network-interface>

7.5 Identify if target environment is supported

<https://docs.microsoft.com/en-us/azure/site-recovery/azure-to-azure-support-matrix>

7.6 Setup domain accounts and credentials

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/reference-connect-accounts-permissions>

Section 8: Migrate servers to Azure

8.1 Migrate by using Azure Site Recovery (ASR)

<https://docs.microsoft.com/en-us/azure/site-recovery/migrate-tutorial-on-premises-azure>

8.2 Migrate using P2V

<https://docs.microsoft.com/en-us/azure/site-recovery/migrate-overview>

8.3 Configure storage

<https://azure.microsoft.com/en-us/resources/videos/get-started-with-azure-storage/>

8.4 Create a backup vault

<https://azure.microsoft.com/en-us/resources/videos/azure-backup-vault-creation/>

8.5 Prepare source and target environments

<https://docs.microsoft.com/en-us/azure/site-recovery/vmware-azure-set-up-target>

8.6 Backup and restore data

<https://docs.microsoft.com/en-us/azure/backup/backup-azure-restore-windows-server>

8.7 Deploy Azure Site Recovery (ASR) agent

<https://docs.microsoft.com/en-us/azure/site-recovery/vmware-azure-install-mobility-service>

8.8 Prepare virtual network

<https://docs.microsoft.com/en-us/azure/site-recovery/azure-to-azure-network-mapping>

Implement and manage application services (5-10%)

Section 9: Configure serverless computing

9.1 Create and manage objects

<https://docs.microsoft.com/en-us/azure/governance/policy/tutorials/create-and-manage>

9.2 Manage a Logic App resource

<https://docs.microsoft.com/en-us/azure/logic-apps/manage-logic-apps-with-visual-studio>

9.3 Manage Azure Function app settings

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-app-settings>

9.4 Manage Event Grid

<https://azure.microsoft.com/en-us/services/event-grid/>

9.5 Manage Service Bus

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-management-libraries>

Implement advanced virtual networking (5-10%)

Section 10: Monitor and manage networking

10.1 Monitor on-premises connectivity

<https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/>

10.2 Use network resource monitoring and Network Watcher

<https://azure.microsoft.com/en-us/services/network-watcher/>

10.3 Manage external networking and virtual network connectivity

<https://docs.microsoft.com/en-us/office365/enterprise/designing-networking-for-microsoft-azure-iaas>

Secure identities (5-10%)

Section 11: Implement Multi-Factor Authentication (MFA)

11.1 Enable MFA for an Azure tenant

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-mfa-settings>

11.2 Configure user accounts for MFA

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-get-started>

11.3 Configure fraud alerts

<https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/set-up-rules-for-fraud-alerts>

11.4 Configure bypass options

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-mfa-settings>

11.5 Configure trusted IPs

<https://docs.microsoft.com/en-us/azure/active-directory/reports-monitoring/quickstart-configure-named-locations>

11.6 Configure verification methods

<https://docs.microsoft.com/en-us/azure/active-directory/user-help/multi-factor-authentication-end-user-manage-settings>

11.7 Manage role-based access control (RBAC)

<https://docs.microsoft.com/en-us/azure/role-based-access-control/role-assignments-powershell>

11.8 Implement RBAC policies

<https://docs.microsoft.com/en-us/azure/role-based-access-control/>
<https://docs.microsoft.com/en-us/azure/governance/policy/overview>

11.9 Assign RBAC Roles

<https://docs.microsoft.com/en-us/azure/role-based-access-control/rbac-and-directory-admin-roles>
<https://docs.microsoft.com/en-us/azure/role-based-access-control/overview>

11.10 Create a custom role

<https://docs.microsoft.com/en-us/azure/role-based-access-control/tutorial-custom-role-powershell>

11.11 Configure access to Azure resources by assigning roles

<https://docs.microsoft.com/en-us/azure/role-based-access-control/role-assignments-portal>

11.12 Configure management access to Azure

<https://docs.microsoft.com/en-us/azure/role-based-access-control/conditional-access-azure-management>