

# ROOMAN TECHNOLOGIES

## Microsoft Azure Fundamentals & Administrator (Combo)

### Manage Azure identities and governance

- Create users and groups
- Create administrative units
- Manage user and group properties
- Manage guest accounts
- Configure self-service password reset

### Manage access control

- Create custom role-based access control (RBAC) and Azure AD roles
- Provide access to Azure resources by assigning roles at different scopes

### Manage Azure subscriptions and governance

- Configure and manage Azure policy
- Apply and manage tags on resources
- Manage resource groups
- Manage subscriptions
- Manage costs by using alerts, budgets, and recommendations
- Configure management groups

### Implement and manage storage

- Configure network access to storage accounts
- Create and configure storage accounts
- Configure stored access policies
- Manage access keys
- Configure storage encryption

### Manage data in Azure storage accounts

- Manage data by using Azure Storage Explorer and AzCopy

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- Implement Azure Storage redundancy
- Configure object replication
- Configure Azure Blob Storage
- Configure storage tiers
- Configure blob lifecycle management

## Deploy and manage Azure compute resources

- Create a VM
- Manage images by using the Azure Compute Gallery
- Configure Azure Disk Encryption
- Manage VM sizes
- Add data disks
- Configure VM availability options
- Deploy and configure VM scale sets
- Configure sizing and scaling for Azure Instances
- Configure storage for Azure Kubernetes Service (AKS)
- Create and configure an Azure App Service
- Create an App Service plan
- Configure scaling settings in an App Service plan
- Create an App Service
- Configure custom domain names

## Configure and manage virtual networking

- Create and configure virtual networks and subnets
- Create and configure virtual network peering
- Configure private and public IP addresses
- Vnet peering
- Manage gateway
- Configure Azure DNS
- Create and configure network security groups (NSGs)
- Evaluate effective security rules
- Implement Azure Bastion
- Configure service endpoints on subnets
- Configure load balancing
- Configure an internal or public load balancer

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## Monitor and maintain Azure resources

Monitor resources by using Azure Monitor

- Configure Azure Monitor Logs
- Query and analyze logs
- Set up alerts and actions
- Configure monitoring of VMs, storage accounts, and networks by using VM insights

## Implement backup and recovery

- Create an Azure Recovery Services vault
- Create an Azure Backup vault
- Perform backup and restore operations by using Azure Backup
- Configure Azure Site Recovery for Azure resources
- Perform failover to a secondary region by using Azure Site Recovery
- Configure and review backup reports

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