Skills Measured

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1. Design identity, governance, and monitoring solutions (25–30%)
- Design solutions for logging and monitoring
  • Recommend a logging solution
  • Recommend a solution for routing logs
  • Recommend a monitoring solution
- Design authentication and authorization solutions
  • Recommend an authentication solution
  • Recommend an identity management solution
  • Recommend a solution for authorizing access to Azure resources
  • Recommend a solution for authorizing access to on-premises resources
  • Recommend a solution to manage secrets, certificates, and keys
- Design governance
  • Recommend a structure for management groups, subscriptions, and resource groups, and a strategy for
  • Recommend a solution for managing compliance
  • Recommend a solution for identity governance

2. Design data storage solutions (20–25%)
- Design data storage solutions for relational data
  • Recommend a solution for storing relational data
  • Recommend a database service tier and compute tier
  • Recommend a solution for database scalability
  • Recommend a solution for data protection
- Design data storage solutions for semi-structured and unstructured data
  • Recommend a solution for storing semi-structured data
  • Recommend a solution for storing unstructured data
  • Recommend a data storage solution to balance features, performance, and costs
  • Recommend a data solution for protection and durability
- Design data integration
  • Recommend a solution for data integration
  • Recommend a solution for data analysis

3. Design business continuity solutions (15–20%)
- Design solutions for backup and disaster recovery
  • Recommend a recovery solution for Azure and hybrid workloads that meets recovery objectives
  • Recommend a backup and recovery solution for compute
  • Recommend a backup and recovery solution for databases
  • Recommend a backup and recovery solution for unstructured data
- Design for high availability
  • Recommend a high availability solution for compute
  • Recommend a high availability solution for relational data
  • Recommend a high availability solution for semi-structured and unstructured data

4. Design infrastructure solutions (30–35%)
- Design compute solutions
  • Specify components of a compute solution based on workload requirements
  • Recommend a virtual machine-based solution
  • Recommend a container-based solution

  • Recommend a serverless-based solution
  • Recommend a compute solution for batch processing
- Design an application architecture
  • Recommend a messaging architecture
  • Recommend an event-driven architecture
  • Recommend a solution for API integration
  • Recommend a caching solution for applications
  • Recommend an application configuration management solution
  • Recommend an automated deployment solution for applications
- Design migrations
  • Evaluate a migration solution that leverages the Microsoft Cloud Adoption Framework for Azure
  • Evaluate on-premises servers, data, and applications for migration
  • Recommend a solution for migrating workloads to IaaS and PaaS
  • Recommend a solution for migrating databases
  • Recommend a solution for migrating unstructured data
- Design network solutions
  • Recommend a connectivity solution that connects Azure resources to the internet
  • Recommend a connectivity solution that connects Azure resources to on-premises networks
  • Recommend a solution to optimize network performance
  • Recommend a solution to optimize network security
  • Recommend a load-balancing and routing solution