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# Design a compute solution

* recommend a solution for compute provisioning
* determine appropriate compute technologies, including virtual machines, App Services, Service Fabric, Azure Functions, Windows Virtual Desktop, and containers
* recommend a solution for containers o AKS versus ACI and the configuration of each one
* recommend a solution for automating compute management

# Design a network solution

* recommend a solution for network addressing and name resolution
* recommend a solution for network provisioning
* recommend a solution for network security o private endpoints
  + Firewalls
  + Gateways
* recommend a solution for network connectivity to the Internet, on-premises networks, and other Azure virtual networks
* recommend a solution for automating network management
* recommend a solution for load balancing and traffic routing

# Design an application architecture

* recommend a microservices architecture including Event Grid, Event Hubs, Service Bus, Storage Queues, Logic Apps, Azure Functions, and webhooks
* recommend an orchestration solution for deployment of applications including ARM templates, Logic Apps, or Azure Functions
  + select an automation method
  + choose which resources or lifecycle steps will be automated
  + design integration with other sources such as an ITSM solution
  + recommend a solution for monitoring automation
* recommend a solution for API integration
  + design an API gateway strategy
  + determine policies for internal and external consumption of APIs
  + recommend a hosting structure for API management
  + recommend when and how to use API Keys

# Design migrations

* assess and interpret on-premises servers, data, and applications for migration
* recommend a solution for migrating applications and VMs
* recommend a solution for migration of databases
  + determine migration scope, including redundant, related, trivial, and outdated data