

LIKE A BOSS

AZURE COMPUTE NOTES

AZ 900 TEST PREP



Use these notes to help review testable material for the AZ-900 certification exam.

Know the definition and use cases for the Azure Compute offerings as follows:

Virtual Machines - a complete computing solution where you manage and maintain everything except the underlying hardware and networking. You pay for VMs on an hourly basis, and prices vary depending on the amount of memory and CPUs the VM uses.

Scale Sets are sets of multiple, identical VMs that are created and deleted automatically, which provides high availability for services running on these Scale Sets.

Azure Containers are a modified runtime environment built on top of a host OS that executes an application. Azure supports Docker containers with these two management services:

- **Azure Container Instances (ACI).** Azure Container Instances (ACI) offers the fastest and simplest way to run a container in Azure. You don't have to manage any virtual machines or configure any additional services. ACI is a PaaS offering that allows you to upload your containers and execute them directly with automatic elastic scale.
- **Azure Kubernetes Service (AKS).** The task of automating, managing, and interacting with a large number of containers is known as *orchestration*. Azure Kubernetes Service (AKS) is a complete orchestration service for containers with distributed architectures with multiple containers.

App Services provides a managed platform to host web applications. There are three varieties:

- Web Apps
- Web Apps for Containers
- API Apps

Azure Functions is an instance of serverless computing. An Azure Function exists to execute a single piece of code that performs a single function. You are only charged for the time required to execute the function code.