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# Summary

3 minutes



Azure provides multiple services to perform cloud compute, but choosing the right service depends on your business needs. Remember that there are some overlaps in capabilities. For example, you could use either Azure containers or Azure Functions as part of a serverless architecture. But ultimately, making the right decision depends on both the service capability and the abilities of your development team.

## Learn more

For more information on the compute services available on Azure, visit some of the pages below.

- [Overview of Azure compute options](#)
- [Typical scenarios for running Azure VMs](#)

## Check your knowledge

1. Suppose you have an existing application running locally on your own server. You need additional capacity but prefer to move to Azure instead of buying upgraded on-premises hardware. Which compute option would likely give you the quickest route to getting your application running in Azure?

- ☐ Serverless computing
- ☐ Containers

☒ Virtual machines



**You have full control over the VM setup, so you can configure it to match your on-premises server. This control will allow your existing application to run on the Azure VM with little or no change.**

2. Imagine that you work on a photo-sharing application that runs on millions of mobile devices. Demand is unpredictable because you see a spike in usage whenever a locally or nationally significant event occurs. Which Azure compute resource is the best match for this workload?

☒ Serverless computing



The photo-sharing app is event driven and needs to handle unpredictable demand. Serverless computing is a good fit for this situation because it is event-based and can scale instantly to process spikes in traffic. It should also be a cost-effective choice because you will pay for compute time only when processing user data.

☐ Containers

☐ Virtual machines

3. The compute options give you different levels of control over the configuration of the environment in which your application runs. Which of the following lists the compute options in order of your control from "most control" to "least control"?

☐ Serverless computing, containers, virtual machines

☐ Containers, serverless computing, virtual machines

☒ Virtual machines, containers, serverless computing



Virtual machines give you full control over the environment. Containers give you limited control. Serverless computing does not allow you to do any infrastructure configuration.

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Module complete:

Unlock achievement

