✓ 200 XP ▶

Summary

5 minutes

Microsoft provides more global presence than any other cloud provider with over 54 regions distributed worldwide. This infrastructure gives you the scale needed to bring your applications closer to users around the world. Azure also has dedicated regions to support government use and applications that need to be deployed in China so you can ensure data security and residency and meet compliance and resilience requirements for your customers no matter what type of business requirements you have.

Learn more

Visit the following links to learn more about some of the topics we explored in this module.

- Azure regions
- Azure geographies
- Azure Service Level Agreements
- Designing resilient applications for Azure
- Criteria for choosing an Azure compute service

Check your knowledge

1. Deploying an app can be done directly to what level of physical granularity?

- ⦿ Region ✓

  Correct. Azure organizes infrastructure around *regions*, which include multiple datacenters. You can pick the region you want resources deployed into. You can't select a specific datacenter or location within a datacenter.

- ○ Datacenter

- ○ Server rack

2. To use Azure datacenters that are made available with power, cooling, and networking capabilities independent from other datacenters in a region, choose a region that supports _____?

- ○ Geography distribution

- ○ Service-Level Agreements (SLAs)

- ⦿ Availability Zones ✓

  Availability Zones are datacenters set up to be an isolation boundary from others in the region,

with their own power, cooling, and networking. If one zone in a region goes down, other Availability Zones in the region continue to work.

3. Application availability refers to what?

○   The service level agreement of the associated resource.

○   Application support for an availability zone.

⦿   The overall time that a system is functional and working.   ✓

Correct. The time that a system is working is referred to as the application availability.

Module complete:

Unlock achievement