

High Availability

The ability to keep services up and running for long periods of time, while experiencing little to no downtime.

Disaster Recovery

The ability to recover from a cloud service outage. Cloud services disaster recovery should happen quickly through automation.

Scalability

The ability to increase or decrease resources for a given workload. You can add resources to service a workload (scale out), or add additional capabilities to handle increases in demand (scale up).

Elasticity

The ability to automatically or dynamically increase or decrease resources as necessary.

Agility

The ability to react quickly. Cloud services can allocate and deallocate resources quickly.

Fault Tolerance

The ability to remain up & running even if a component or service is no longer functioning.

Predictive Cost

The ability to predict what costs will be incurred for a particular cloud service or offering.

Key Terms to Know for AZ-900

Cloud services feature many terms and concepts, some of which are outlined and explained here.