



What is resiliency?

Maintaining acceptable continuous performance

in services, hardware,

Disaster recovery

Replication of virtual machines and data to

one or more regions using Azure Backup.

Definitions

Blast radius

in load.

Backup

despite temporary failures

datacenters, or fluctuations

Protection against loss of an entire region through asynchronous replication for failover of virtual machines and data using services such as Azure Site Recovery and geo-redundant storage (GRS).

High availability

What is resiliency in Azure?

Comprehensive set of native business continuity solutions, providing high availability, disaster recovery, and backup to protect your mission critical applications and data.









BACKUP

Single VM

Easier lift and shift

Availability Sets

HIGH AVAILABILITY

Protecting against failures within datacenters

Datacenter

Protection from...

Hardware failure and software update cycles

VM SLA

99.95%

Availability Zones

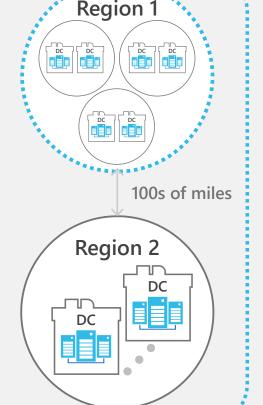
Protection from entire datacenter failures

Region Pairs

Regional protection within data residency boundaries



DISASTER RECOVERY



Protection from... Tornado, earthquake

***** DATA RESIDENCY ******

BOUNDARY

Region 1 Availability Zone 1 Availability Zone 2

Protection from...
Fire, power + cooling disruption, and flood

example, Availability Sets protect applications within a datacenter, and Availability Zones protect applications and data in an Azure region.

Data residency boundary
Two regions that share the same regulatory requirements

for data replication and storage for the country or region in

The radius of protection for

applications and data. For

ISO-22301 Certification

which they operate.

Azure is certified under the first international standard to demonstrate the ability to prevent, mitigate, respond to and recover from disruptive incidents.

Azure Architecture Center

Tested and proven Azure best practices for resiliency, cost, performance, and scalability.

aka.ms/architecture



No.

For more information

Azure resiliency solutions: <u>azure.com/resiliency</u>
Azure Availability Zones: <u>aka.ms/AvailabilityZones</u>

Azure regions: <u>aka.ms/AzureRegions</u>