

Episode Title: Implement a stretch cluster across datacenters or Azure regions

Objectives:

At the end of this episode, I will be able to:

1. Design a stretch cluster
2. Identify additional requirements for stretch cluster
3. Explain storage and quorum requirements for a stretch cluster

Key Points:

Key Point 1

A Windows Failover stretch cluster is a cluster that spans geographic areas. The cluster still supports the same application across the areas.

Key Point 2

Stretch clusters have additional requirements for performance and usability. Networking latency must be minimized and storage replication enabled between sites.

Key Point 3

Quorum must be taken into consideration and planned for in case the site link were to fail. Ensure that a quorum witness has been configured.

- If additional resources are used during the episode, they can be obtained using the download link on the overview episode (e.g. diagrams, no powerpoints)

External Resources:

If external resources were used during this episode, you can reference the following external resources for supplementary tools and information, if none were used, then this section will be blank:

- Stretch Cluster Replication Using Shared Storage
: <https://learn.microsoft.com/en-us/windows-server/storage/storage-replica/stretch-cluster-replication-using-shared-storage>