

Episode Title: Failover and recover a cluster node

Objectives:

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

1. Explain the node failover process
2. Assign node weights
3. Design failover policies

Key Points:

Key Point 1

Failover process should take into consideration whether you need a quorum witness. There is also a 5ms round-trip time latency requirement for synchronous replication.

Key Point 2

By default, each node has a weight of 1 in the quorum vote. You can adjust the node weight if you would prefer specific nodes to maintain the workload in the event of a failure.

Key Point 3

Failover policies can define some automatic action, such as restarting a service, if a service fails or a condition is met.

- 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:

- Fault domain awareness
: <https://learn.microsoft.com/en-us/windows-server/failover-clustering/fault-domains>