

## Episode Title: Configure Hyper-V replication and failover

### Objectives:

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

1. Explain Hyper-V Replica
2. Describe the Hyper-v VM failover process
3. Configure Hyper-V for replication and failover

### Key Points:

#### Key Point 1

Hyper-V Replica enables VM replication between Hyper-V hosts to allow you to easily transfer the VM between nodes.

#### Key Point 2

Hyper-V failover allows you to perform live migrations of the VM from one host to another host.

#### Key Point 3

Replication requires authentication between hosts using Kerberos or certificates and can be configured for every 30 seconds, 5 minutes, or 15 minutes.

- 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)

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### 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:

- Set up Hyper-V Replica  
: <https://learn.microsoft.com/en-us/windows-server/virtualization/hyper-v/manage/set-up-hyper-v-replica>