# How to restore Production on a DR site using StarWind Asynchronous Replication

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StarWind Documents

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**IMPORTANT NOTE:** Starting from 14869 build, the Asynchronous replication feature was excluded and deprecated. Please remove all Asynchronous replicas and LSFS devices before the update. See more information in the release notes: https://www.starwindsoftware.com/release-notes-build

## Scenario

StarWind storage cluster on the Primary site with Asynchronous storage replication to the Disaster Recovery site.

## Case Study

Primary site is down without any way to start a Production during accepted Recovery Time Objective (RTO).

## Case Solution

**NOTE:** By design, the device on Asynchronous node is LSFS (Log-Structured File System). Snapshots can be mounted only in Read-Only mode.

## To Restore The Production From A Read-Only Snapshot:

1. Connect to the Asynchronous node using StarWind Management Console and mount the snapshot;
2. Connect the newly created snapshot device as an iSCSI target in Microsoft iSCSI Initiator;
3. Bring the connected disk online in Disk Management;
4. Copy the necessary information and import VMs from the mounted Read-Only disk to another storage/location;
5. Run the Production using the copied data;

## To Restore The Production From The Replicated Device On The Asynchronous Node:

1. Connect to Asynchronous node using StarWind Management Console and re-add the existing device in a new target having previously removed Asynchronous replica to it;
2. Wait for device mounting in StarWind Management Console;

3.  Connect the newly added device as an iSCSI target in Microsoft iSCSI Initiator;
4.  Bring the connected disk online in Disk Management;
5.  Import and Register the necessary VMs in Hyper-V Manager.
    More information can be found in this guide:

## Request A Product Feature

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