



Migrate Container Workloads on VMware

NetApp Solutions

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Data migration using Astra Control Center

This page shows the data migration options for container workloads on Red Hat OpenShift clusters with Astra Control Center (ACC).

Kubernetes Applications are often required to be moved from one environment to another. To migrate an application along with its persistent data, NetApp ACC can be utilized.

Data Migration between different Kubernetes environment

ACC supports various Kubernetes flavors including Google Anthos, Red Hat OpenShift, Tanzu Kubernetes Grid, Rancher Kubernetes Engine, Upstream Kubernetes, etc. For additional details, refer [here](#).

To migrate application from one cluster to another, you can use one of the following features of ACC:

- replication
- backup and restore
- clone

Refer to the [data protection section](#) for the **replication and backup and restore** options.

Refer [here](#) for additional details about **cloning**.



Astra Replication feature is only supported with Trident Container Storage Interface (CSI). However, replication is not supported by nas-economy & san-economy drivers.

Performing data replication using ACC

The screenshot displays the Astra Control Center (ACC) interface for configuring data replication. The left sidebar shows navigation options: Dashboard, Applications, Clusters, Cloud instances, Backends, Buckets, Account, Activity, and Support. The main content area is titled 'ghost' and shows the 'APPLICATION STATUS' as 'Healthy'. Below this, there are tabs for 'Data protection', 'Storage', 'Resources', 'Execution hooks', 'Activity', and 'Tasks'. The 'Data protection' tab is active, showing a 'Configure' button. The 'APPLICATION PROTECTION' section indicates 'Fully protected' and 'Protection policy configured'. A 'Replication policy configured' status is also shown. On the right, an 'Actions' dropdown menu lists options: Snapshot, Back up, Clone, Restore, Fail over, Reverse replication, and Unmanage. The 'Replication relationship' section shows the 'STATUS' as 'Healthy' and 'Established'. The 'SCHEDULE' is set to 'Replicate snapshot every 5 minutes to ocp-cluster?'. The 'LAST SYNC' is dated '2021/04/26 19:14 UTC' with a 'Sync duration: 30 seconds'. A diagram at the bottom illustrates the replication process, showing a 'Source' cluster (ghost) with 'ghost' and 'ghost-pvcs' components, connected by a double-headed arrow to a 'Destination' cluster (ghost) with 'ghost' and 'ghost-pvcs' components. Both clusters are labeled 'Active site'.

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