Clone and migrate apps

Astra Control Center

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Clone an existing app to create a duplicate app on the same Kubernetes cluster or on another cluster. Cloning can help if you need to move applications and storage from one Kubernetes cluster to another. For example, you might want to move workloads through a CI/CD pipeline and across Kubernetes namespaces. You can use the Astra UI or the Astra API to clone and migrate apps.

If you clone an app between clusters, the source and destination clusters must be the same distribution of OpenShift. For example, if you clone an app from an OpenShift 4.7 cluster, use a destination cluster that is also OpenShift 4.7.

When Astra Control Center clones an app, it creates a clone of your application configuration and persistent storage.

S3 buckets in Astra Control Center do not report available capacity. Before backing up or cloning apps managed by Astra Control Center, check bucket information in the ONTAP or StorageGRID management system.

What you'll need

To clone apps to a different cluster, you need a default bucket. When you add your first bucket, it becomes the default bucket.

Steps

1. Click **Apps**.
2. Do one of the following:
   - Click the drop-down list in the **Actions** column for the desired app.
   - Click the name of the desired app, and select the status drop-down list at the top right of the page.
3. Click **Clone**.
4. **Clone details**: Specify details for the clone:
   - Enter a name.
   - Enter a namespace for the clone.
   - Choose a destination cluster for the clone.
   - Choose whether you want to create the clone from an existing snapshot or backup. If you don't select this option, Astra Control Center creates the clone from the app's current state.
5. **Source**: If you chose to clone from an existing snapshot or backup, choose the snapshot or backup that you'd like to use.
6. Click **Review**.
7. **Clone Summary**: Review the details about the clone and click **Clone**.

Result

Astra Control Center clones that app based on the information that you provided. The clone operation is successful when the new app clone is in the `Available` state on the **Apps** page.

After a data protection operation (clone, backup, restore) and subsequent persistent volume resize, there is up to a twenty-minute delay before the new volume size is shown in the UI. The data protection operation is successful within minutes, and you can use the management software for the storage backend to confirm the change in volume size.

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