

## Working with Block Volumes/cloning a block volume.txt

### Cloning a Block Volume

Create a clone from a volume by using the Block Volume service. Cloning lets you to make a copy of an existing block volume without needi

A cloned volume is a point-in-time direct disk-to-disk deep copy of the source volume, so all the data that is in the source volume when

The clone operation occurs immediately, and you can attach and use the cloned volume as a regular volume as soon as the state changes to

There is a single point-in-time reference for a source volume while it is being cloned. If the source volume is attached when you create

You can create a clone for a volume only within the same region, availability domain and tenancy. You can create a clone for a volume bet

For information to help you decide whether to create a backup or a clone of a volume, see Differences Between Block Volume Backups and Cl

### Console

#### CLI

#### API

Open the navigation menu and click Storage. Under Block Storage, click Block Volumes.

Under List scope, select the compartment that contains the block volume.

In the Block Volumes list, click the name of the volume that you want to clone.

Under Resources, click Block Volume Clones.

Click Create Clone.

Specify a name for the clone. Avoid entering confidential information.

Select the compartment to create the clone in, if different from the current compartment.

To clone the block volume to a larger size volume, or change the performance setting for a clone, select Custom. Then perform one or both

In Volume size (GB), enter the new size.

You can only increase the size of the volume; you can't decrease it. If you clone the block volume to a larger-size volume, you need to e

Under Target volume performance, select the performance level that you want the volume clone to use. See Block Volume Performance.

You can also change the performance level after you have cloned the volume. See Changing the Performance of a Volume.

Optionally, enable asynchronous cross-region replication for the volume clone. Under Cross region replication select ON. See Replicating

Optionally, encrypt the data in this volume by using your own Vault encryption key. Select Encrypt using customer-managed keys, and then

### Important

The Block Volume service doesn't support encrypting volumes with keys that are encrypted using the Rivest-Shamir-Adleman (RSA) algorithm.

Click Show Tagging Options to add tags to the volume.

Click Create Clone.

The volume is ready to use when its state is AVAILABLE in the volume list. At that point, you can perform various actions on the volume,