

Working with Block Volumes/creating a block volume.txt

Creating a Block Volume
Create a block volume in the Block Volume service.

Block volumes are detachable block storage devices that you can use to dynamically expand the storage capacity of an instance. For more information, see [Block Volumes](#).

Console

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

Click Create Block Volume.

In the Create block volume, provide the following values:

Name: Enter a user-friendly name for the volume. Avoid entering confidential information.
Create in compartment: Select the compartment to create the volume in, if different from the current compartment.
Availability Domain: Select the same availability domain as the instance you plan to attach the volume to.
Volume size and performance: Select Default or Custom. If you select Custom, enter the following values:
Volume size: Enter the size of the volume, between 50 GB and 32 TB. You can choose in 1 GB increments within this range. The default size is 50 GB.
Volume target performance: Optionally, you can select the appropriate performance level for your requirements. For more information about performance levels, see [Performance Levels](#).
Backup policies: Optionally, select the appropriate backup policy for your requirements. See [Policy-Based Backups](#).
Cross region replication: Optionally, enable asynchronous cross-region replication for the volume. See [Replicating a Volume](#).
Encryption: Optionally, encrypt the data in this volume by using your own Vault encryption key. Select Encrypt using customer-managed key.

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. If you have permissions to create a resource, then you also have permissions to update the resource.

Click Create Block Volume.

The block volume details page opens, and the volume is in the Provisioning state. When the state changes to Available, the volume is ready to use.

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Use the `oci bv volume create` command and required parameters to create a block volume:

Command

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Try It

```
oci bv volume create [OPTIONS]
```

For a complete list of flags and variable options for CLI commands, see the [Command Line Reference](#).