Working with Block Volumes/connecting to volumes with consistent device paths.txt

Connecting to Volumes With Consistent Device Paths

Oracle Cloud Infrastructure supports consistent device paths for block volumes that are attached to compatible Linux-based instances. Whe

Creating partitions.

Creating file systems.

Mounting file systems.

Specifying options in the /etc/fstab file to ensure that volumes are mounted properly when automatically mounting volumes on instance boo

When you use consistent device paths on compatible Linux-based instances, the boot volume's device path is:

Copy /dev/oracleoci/oraclevda

Note

Device paths are required when attaching a volume configured for the Ultra High Performance level.

Device paths are not available when you attach a boot volume as a data volume to a second instance.

Images that Support Consistent Device Paths

Consistent device paths are supported and enabled by default on instances when all of the following things are true:

The instance was created using a platform image.

The image is a Linux-based image.

The image was released in November 2018 or later. For specific version numbers, see Image Release Notes.

The instance was launched after January 11, 2019.
For instances launched using the image OCID or an existing boot volume, if the source image supports consistent device paths, the instance

Consistent device paths are not enabled by default for Linux-based partner images and custom images created from other sources. You can e

To enable consistent device paths for a custom image

Open the navigation menu and click Compute. Under Compute, click Custom Images. Click the custom image that you want to enable consistent device paths for.

Click Edit image capabilities

In the Consistent volume naming section select Enabled.

Click Save changes.

Device Paths in the Console

You select a device path when you attach a block volume to an instance.

If you specify a device path, the path appears in the Attached Block Volumes list for an instance, in the Device Path field.

Device Paths on the Instance

Use the following sample commands to perform various configuration tasks on the attached volume. Commands are provided for volumes that u

Creating a partition with fdisk

No device path specified:

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fdisk /dev/sdb

Device path specified:

fdisk /dev/oracleoci/oraclevdb Creating an ext3 file system No device path specified:

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/sbin/mkfs.ext3 /dev/sdb1

Device path specified:

/sbin/mkfs.ext3 /dev/oracleoci/oraclevdb1

Updating the /etc/fstab file No device path specified:

UUİD=84dc162c-43dc-429c-9ac1-b511f3f0e23c /oradiskvdb1 xfs defaults,_netdev,noatime 0 2

Device path specified:

/dev/oracleoci/oraclevdb1 Mounting the file system No device path specified: /oradiskvdb1 ext3 defaults,_netdev,noatime 0 2

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mount /dev/sdb1 /oradiskvdb1

Device path specified:

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mount /dev/oracleoci/oraclevdb1 /oradiskvdb1