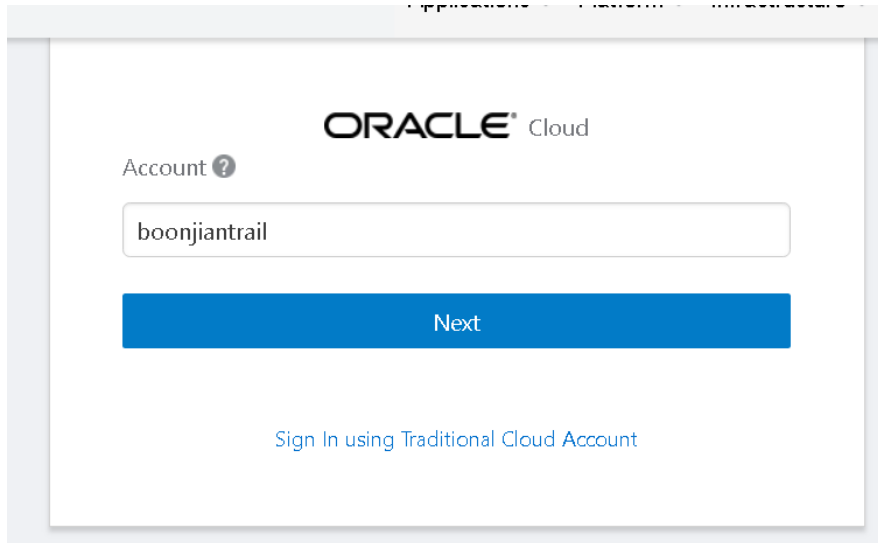


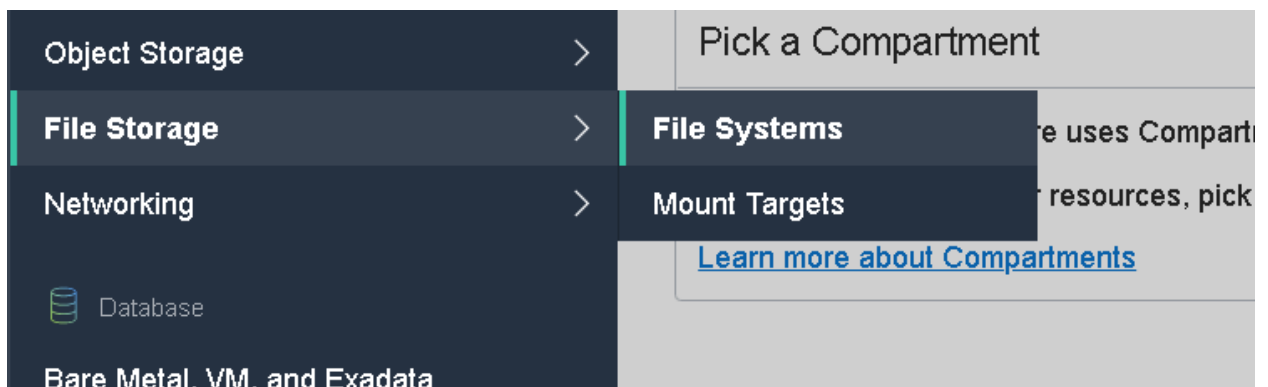
Procedure to creating file system and mount it to the compute instance for Persistent volume

Creating File system and mount target

1. Login via https://cloud.oracle.com/en_US/sign-in with your account that you have created.



2. Login in to OCI portal -> go to the services -> select file storage -> FileSystem -> Create File System



File Storage

File Systems

Mount Targets

List Scope

COMPARTMENT

boonjiantrail (root)

Create File SystemDelete

| <input type="checkbox"/> | Name | State | Availability Domain | Utilization |
|---|------|-------|---------------------|-------------|
| No file systems found using the selected list scope and filters | | | | |
| 0 Selected | | | | |

3. Availability Domain

Select AD1

File Storage provides durable, scalable, and secure file systems.

File System Information

NAME OPTIONAL

OFS1

AVAILABILITY DOMAIN

fbJW:US-ASHBURN-AD-1

TAGS

[Hide Details](#)

4. File System name

Key in /shared

Export Information

[Hide Details](#)

Exports control which file systems are available to a given mount target. Create a new export to make your file system available through the selected mount target.
[Learn more.](#)

EXPORT PATH

/shared

Path names must be unique for each file system in the mount target

☐ USE SECURE EXPORT OPTIONS ⓘ

5. Mount Target Name:

Key in /shared. Leave the subnet and network as the default selected values.

Mount Target Information

Hide Details

Mount targets are NFS endpoints used to access your file systems. The following mount target will be created and associated with your new file system. [Learn more](#).

If you want your mount target, virtual cloud network, or subnet in different compartments than your file system, [click here](#) to enable compartment selection for those resources.

☐ SELECT AN EXISTING MOUNT TARGET ☒ CREATE NEW MOUNT TARGET

NEW MOUNT TARGET NAME OPTIONAL

/shared

VIRTUAL CLOUD NETWORK

vcn20190714013452

SUBNET

Public Subnet fbJW:US-ASHBURN-AD-1

6. After the file system is created, click on mount command. And take note of the ip, you will use this ip in the next command.

Create ExportDelete

| Export Path | State | Mount Target | Created | |
|----------------------------------|--------|-------------------------|---------------------------------|--|
| <input type="checkbox"/> /shared | Active | /shared | Sun, Jul 14, 2019, 05:08:57 UTC | <div>View Export Details Copy OCID Mount Commands Delete</div> |

0 Selected

Mount Commands

helpclose

Before you can mount a file system, you must configure security list rules to allow traffic to the mount target subnet:

- Stateful **ingress** to TCP ports 111, 2048, 2049, and 2050, and UDP ports 111 and 2048.
- Stateful **egress** for TCP source ports 111, 2048, 2049, and 2050, and UDP source port 111.

[Learn more](#)

IMAGE

Oracle Linux

COMMAND TO INSTALL NFS CLIENT

sudo yum install nfs-utils

Copy

COMMAND TO CREATE THE MOUNT POINT DIRECTORY

sudo mkdir -p /mnt/shared

Copy

COMMAND TO MOUNT THE FILE SYSTEM

sudo mount 10.0.0.5:/shared /mnt/shared

Copy

Close

Mount the file System to Instances [Both Master and Worker node]

1. SSH to both the Instances
2. Go to the script location
3. Execute the script 8_MountFile.sh with the IP of mount Target as the param

Eg:-

```
./MountFileSystem.sh [use the ip capture above]
```

```
[root@worker kube_lab]# ./8_MountFile.sh 10.0.0.5
Loaded plugins: langpacks, ulninfo
Package 1:nfs-utils-1.3.0-0.61.0.1.el7.x86_64 already installed
on
Nothing to do
Filesystem      Size  Used Avail Use% Mounted on
10.0.0.5:/shared 8.0E  0 8.0E  0% /shared
[root@worker kube_lab]#
```