Storage Drivers

Docker has multiple storage drivers that allow one to work with the underlying storage devices. The following table shows the different storage drivers along with the technology used for the storage drivers.

Technology	Storage Driver
OverlayFS	overlay or overlay2
AUFS	aufs
Btrfs	brtfs
Device Manager	devicemanager
VFS	vfs
ZFS	zfs

Let us now discuss some of the instances in which you would use the various storage drivers –

AUFS

- This is a stable driver; can be used for production-ready applications.
- It has good memory usage and is good for ensuring a smooth Docker experience for containers.
- There is a high-write activity associated with this driver which should be considered.
- It's good for systems which are of Platform as a service type work.

Devicemapper

- This is a stable driver; ensures a smooth Docker experience.

- This driver is good for testing applications in the lab.
- This driver is in line with the main Linux kernel functionality.

Btrfs

- This driver is in line with the main Linux kernel functionality.
- There is a high-write activity associated with this driver which should be considered.
- This driver is good for instances where you maintain multiple build pools.

Ovelay

- This is a stable driver and it is in line with the main Linux kernel functionality.
- It has a good memory usage.
- This driver is good for testing applications in the lab.

ZFS

- This is a stable driver and it is good for testing applications in the lab.
- It’s good for systems which are of Platform-as-a-Service type work.