

Source

The following information has been pulled from here: <https://gluster.readthedocs.io/en/latest/>

Terminology

ACL Access Control Lists *Assign different perms for different users / groups*

Brick *Basic unit of storage. Represented by a directory on a server on the trusted pool*

Cluster *Group of Bricks pooled to form one mount point*

DFS Distributed File System *A FS which allows multiple clients to simultaneously access data*

FUSE Filesystem in Userspace *Loadable kernel module for unix-like OSs that allows non-privileged users to create their own FSs without editing kernel code*

glusterd *Gluster management daemon that runs on all servers in the pool*

Meta-Data *Data which provides info about one or more other pieces of data*

Terminology (cont)

RAID Redundant Array of Inexpensive Disks *Combines multiple physical disks into a logical disk, most commonly for redundancy, however can also be for performance*

RRDNS Round Robin Domain Name Service *Distributes load across application servers. Implemented by creating multiple A Records with the same name and different IPs in the zone file of a DNS Server*

Trusted Storage Pool *Trusted Network of storage servers*

UserSpace *Application running in UserSpace don't interact directly with the HW, instead interacting via the kernel. UserSpace apps are usually more portable than kernel-space apps. Gluster is a UserSpace app*

Volume *Logical collection of Bricks*

Vol File .vol File *Config file used by the glusterfs process. Usually located at /var/lib/glusterd/vols/volume-name/*

Terminology (cont)

Client *Machine which mounts the volume*

Server *Machine which hosts the FS where the data is stored*

Source: <https://gluster.readthedocs.io/en/latest/Quick-Start-Guide/Terminologies/>

