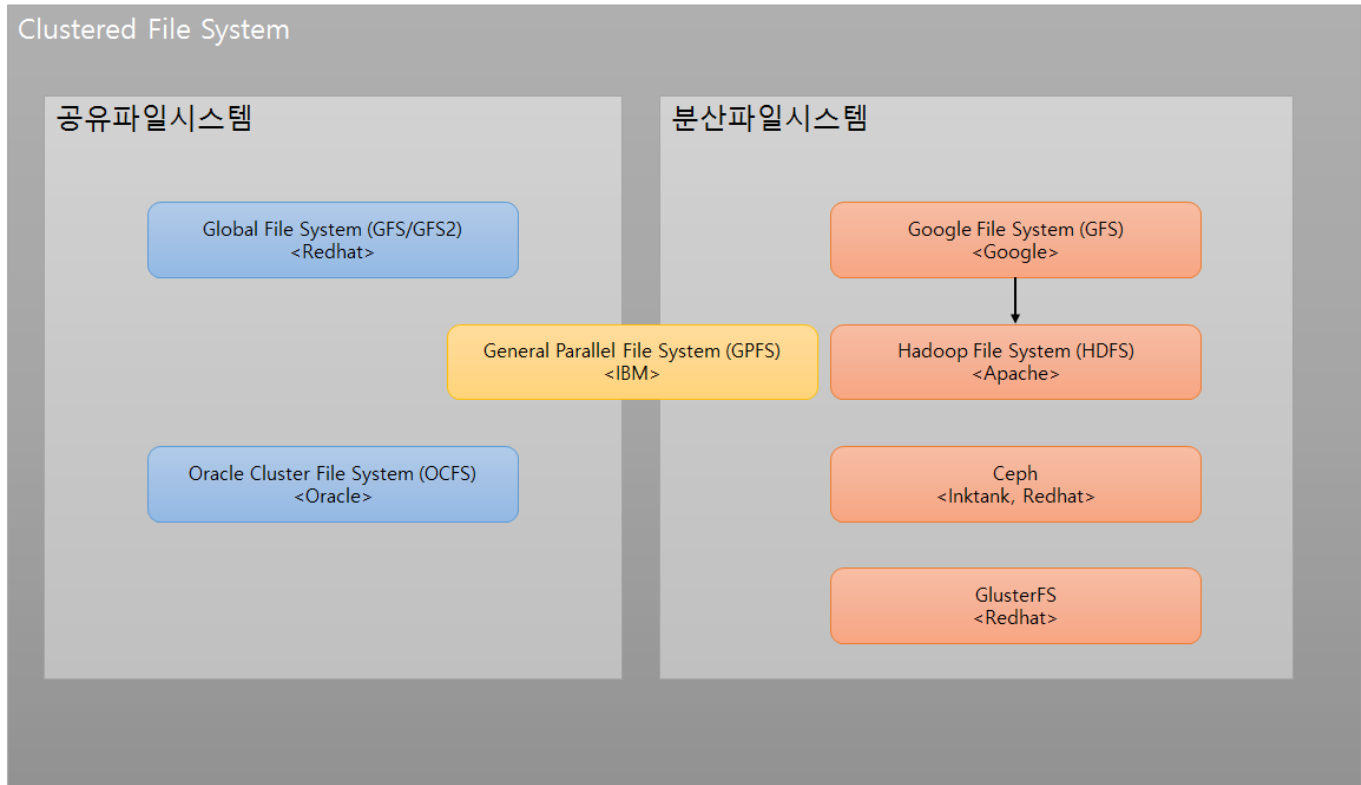


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(DokuWiki)

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|   |       |      |                 |          |                 |           |        |
|---|-------|------|-----------------|----------|-----------------|-----------|--------|
|   |       |      |                 |          | ( )             |           | (2026) |
| 1 | MinIO | 2014 | Object (S3 API) | ( / KV ) | AI/ML S3 (K8s ) | (AGPL v3) | 1 AI   |

|   |                           |      |                       |                |                                          |                |                   |
|---|---------------------------|------|-----------------------|----------------|------------------------------------------|----------------|-------------------|
|   |                           |      |                       |                | ( )                                      |                | (2026)            |
| 2 | Ceph                      | 2006 | (Block, Object, File) | CRUSH ( / MDS) | 가<br>가<br>K8s PV (Proxmox, OpenStack 가 ) | (LGPL v2.1/v3) | .                 |
| 3 | IBM Storage Scale ( GPFS) | 1998 | File (POSIX) Object   |                | AI<br>HPC ,<br>(NVIDIA DGX GPU<br>R/W)   | ( )            | /<br>1 .<br>AI    |
| 4 | Hadoop (HDFS)             | 2006 | File (Append )        | (NameNode )    | ( . )                                    | (Apache 2.0)   | .                 |
| 5 | WekaIO (WekaFS)           | 2017 | File (POSIX) Object   | ( )            | AI/GPU 가<br>LLM ( GPU )                  | ( )            | AI 가              |
| 6 | Lustre                    | 2003 | File (POSIX)          | (MDS / MDT)    | ( )                                      | (GPL v2)       | (Top500) 가<br>1 . |
| 7 | GlusterFS                 | 2005 | File (POSIX)          | ( )            | ( 가 )                                    | (GPL v3)       | 가.<br>Ceph        |
| 8 | Longhorn                  | 2019 | Block, File           | K8s (CRD)      | (K8s DB PVC )                            | (Apache 2.0)   | CNCF<br>,<br>가    |

|    |           |      |                |                          |                     |                |              |
|----|-----------|------|----------------|--------------------------|---------------------|----------------|--------------|
|    |           |      |                |                          | ( )                 |                | (2026)       |
| 9  | JuiceFS   | 2021 | File (POSIX)   | DB (Redis, TiKV, MySQL ) | (S3 AI )            | (AGPL v3)      | 가 .          |
| 10 | BeeGFS    | 2014 | File (POSIX)   | ( )                      | AI GPU ( )          | ( )            | Lustre GPU . |
| 11 | SeaweedFS | 2015 | File, Object   | (Haystack )              | (Small Files) ( , ) | (Apache 2.0)   | 가 IT .       |
| 12 | DAOS      | 2019 | Object / POSIX | (PMEM)                   | ( I/O )             | (BSD 2-Clause) | .            |

...

GlusterFS

- [Gluster Storage and Virtualization Compatibility](#)
- [GlusterFS 가](#)
- [GlusterFS Quick Start](#)
- [GlusterFS - Commands](#)
- [Gluster With Heketi REST API](#)

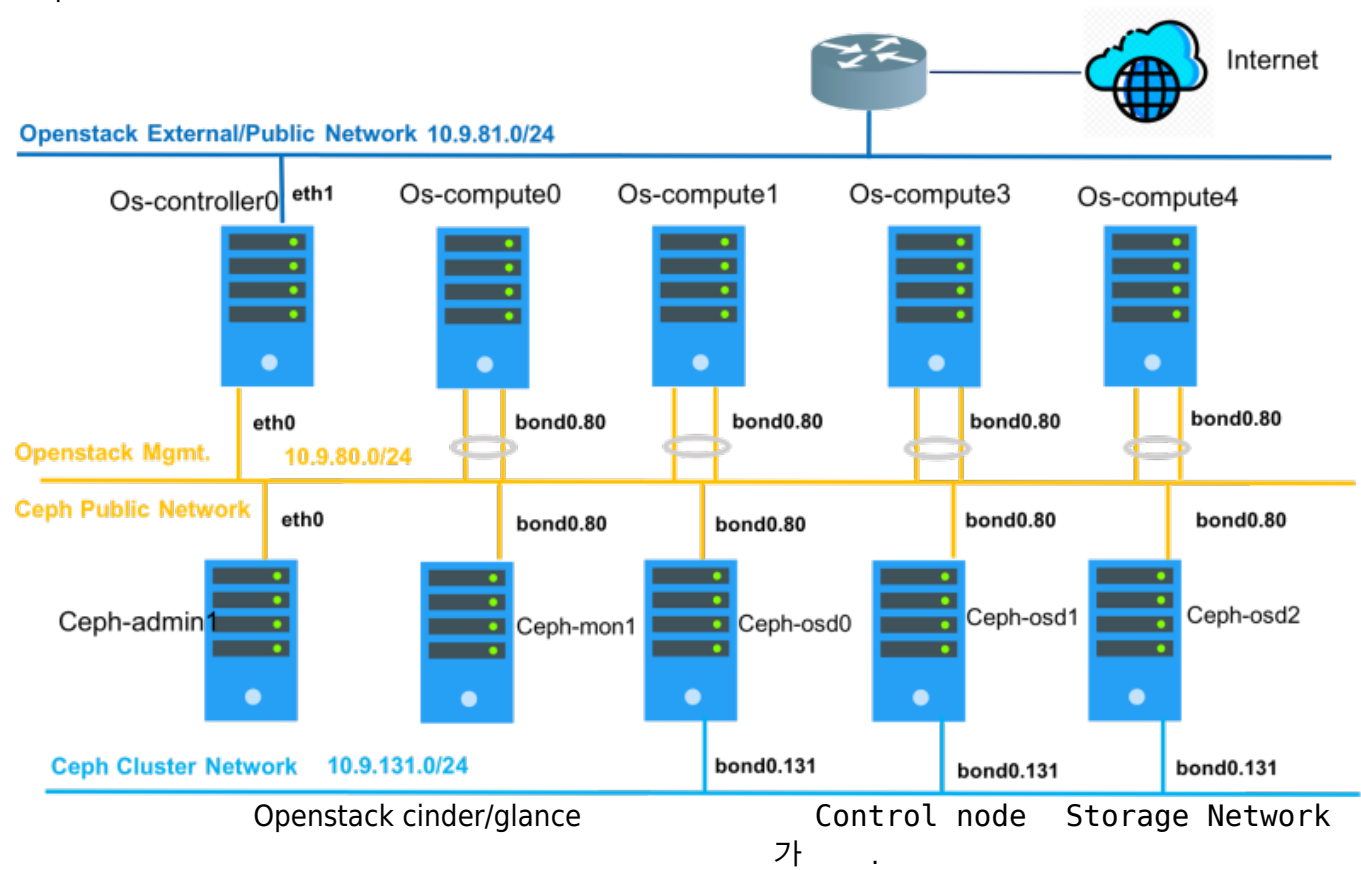
GFS2

- [GFS2 MetaData Unsync WithDraw](#)
- [GFS2 journal lock](#)
- [GFS2 lock dump](#)
- [multipath error getting device](#)

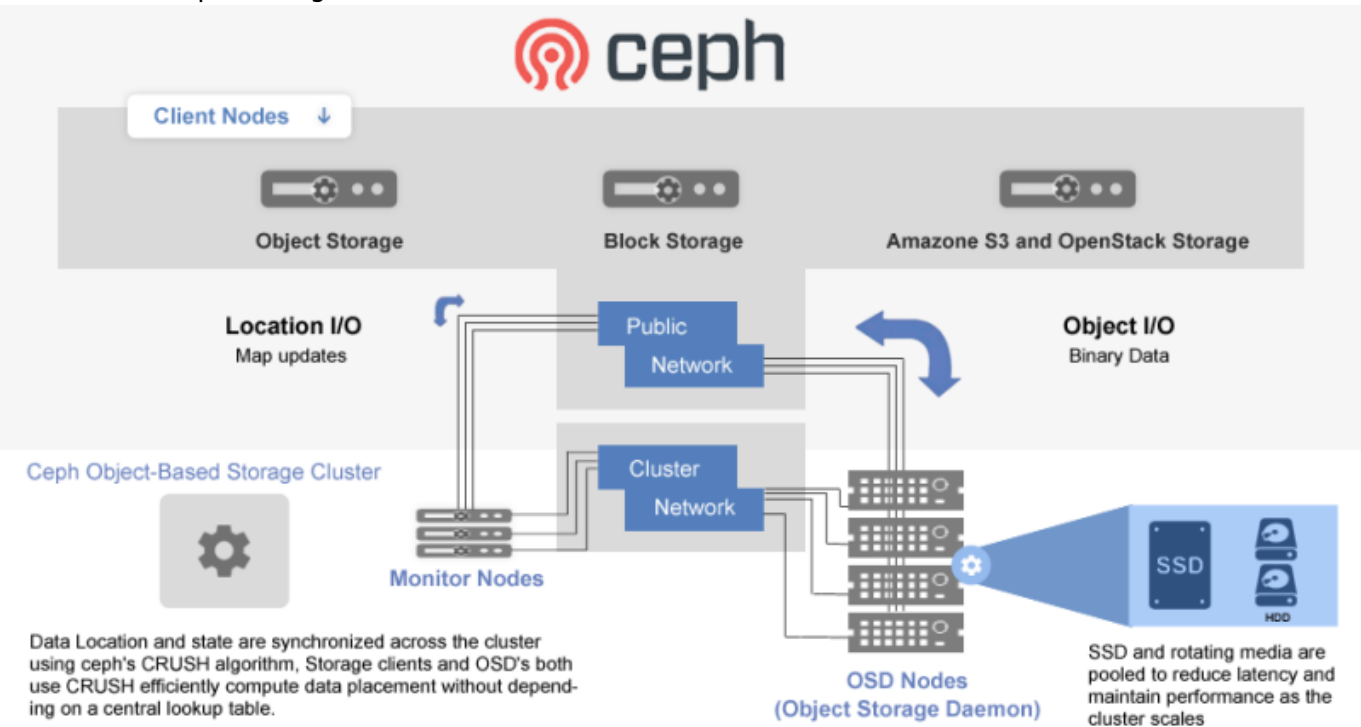
Ceph

Ceph Network Architecture .

1. Openstack



2. Ceph Storage



Ceph

- 
- Ceph

- [Ceph Codename - Version](#)
- [Ceph Compatibility Matrix](#)
- [Ceph RedHat - Community version](#)
- [Ceph Quick Start](#)
- [Ceph Storage PG reduce](#)
- [Linux](#)
- [Redhat Ceph Storage Lifecycle](#)
- [- Ceph RBD with Samba HA \(Pacemaker,LVM\)](#)
- [Ceph Storage install in RHEL/CentOS](#)
- [Ceph HEALTH\\_WARN with 'mons are allowing insecure global\\_id reclaim'](#)
- [PG auto-scaling](#)
- [remove all objects from a pool](#)
- [Pool delete](#)
- [Ceph - MDS Reporting Slow requests](#)
- [Ceph cluster shutdown process](#)
- [Ceph openstack](#)

## Ceph 1.3 (Hammer v0.94)

- [Ceph /](#)
- [Ceph Storage CRUSH map](#)
- [Ceph OSD 가 /](#)
- [Ceph Configuration](#)
- [Ceph OSD Failed Disk](#)
- [Ceph rbd lvm volume](#)

## Ceph 3 (Luminous v12.x)

- [Ceph Journal disk](#)
- [Ceph OSD node](#)
- [CEPH pg,object repair](#) - [ceph status](#)
- [pg down](#) [peering](#) [warning](#)

## Ceph 4 (Nautilus 14.x)

- [1 daemons have recently crashed](#)
- [Ceph 4 failed disk](#)

## Ceph 5 (Pacific 16.x)

## Ceph

- [Kraken 11.0](#)

|  |  |
|--|--|
|  |  |
|--|--|

|     |                                                           |
|-----|-----------------------------------------------------------|
|     |                                                           |
| OSD |                                                           |
|     |                                                           |
|     |                                                           |
| OSD |                                                           |
|     |                                                           |
|     |                                                           |
| OSD | /etc/init.d/ceph stop osd.28<br>/sbin/stop ceph-osd id=28 |
|     |                                                           |

- Luminous 12.0

| systemd |                                           |
|---------|-------------------------------------------|
|         | systemctl stop ceph-[DAEMON_TYPE@\$ID]    |
| OSD     | systemctl stop ceph-osd.target            |
|         | systemctl stop ceph.target                |
|         | systemctl start ceph-[DAEMON_TYPE@\$ID]   |
| OSD     | systemctl start ceph-osd.target           |
|         | systemctl start ceph.target               |
|         | systemctl restart ceph-[DAEMON_TYPE@\$ID] |
| OSD     | systemctl restart ceph-osd.target         |
|         | systemctl restart ceph.target             |

## Lustre

<https://www.lustre.org/>

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