



## Ceph User Survey 2022

---

# Ceph User Survey

**Deadline: March 25, 2022**

### **Make your voice heard!**

This information will help guide the Ceph community's investment in Ceph and the community's future development.

## Frequently Asked Questions

### Why is this survey important?

This information helps the Ceph development community and industry stakeholders focus our future development efforts and influences our day-to-day decisions.

### What happens to the data?

Aggregated and collated results will be published shortly after the survey completes with the help of the Ceph User Survey Working Group. Individual survey responses will remain anonymous. The Ceph Foundation will be responsible for keeping that data private.

### How long does the survey take?

Usually, about 10 minutes, although this may vary depending on the number of Ceph components you utilize.

On the **Platforms and Interface Questions** page, you will be asked:

1. Do you provide RADOS Block Device (RBD) services with your Ceph clusters?
2. Do you provide Ceph Object Gateway (RGW, Rados Gateway) services with your Ceph clusters?
3. Do you provide Ceph File system (CephFS) services with your Ceph clusters?

Additional questions may be included based on your response to these questions.

### How do I report multiple deployments, for example, in different countries?

We recommend the survey be filled out for each type of deployment you have, regardless of state/country/etc. The answers are designed to facilitate this. Many respondents need to submit just once; nobody should need to submit more than two or three sets of answers.

### How do I report an issue with the Survey?

The Ceph User Survey Working Group is an active set of volunteers who discuss making this survey worth the community's time. Please reach out to us at [survey@ceph.io](mailto:survey@ceph.io).

If you need to communicate with the Ceph Foundation directly or need help reaching the right person in the community, please let us help at [foundation@ceph.io](mailto:foundation@ceph.io). General questions and feedback will be shared with The Ceph User Survey Working Group to refine the survey experience.

### How will the Ceph User Survey continue to evolve?

The Ceph community loves feedback and learning about how the user community is using ceph. We also recognize that completing surveys can be tedious.

The Ceph Telemetry project allows Ceph clusters to anonymously and automatically report basic information about Ceph usage back to the developer community: what versions of Ceph are in use, what features are enabled, how big or busy clusters are, what types of hardware they are built with, what bugs are encountered, and so on. We strongly encourage all Ceph users to review what kinds of information is reported and then enable the telemetry feature or tell us why they are uncomfortable sharing that data. We would like to strike the right balance between maximizing participation and ensuring that the data is valuable.

As participation in telemetry increases, the user survey will focus more on non-technical details, like your organizations' industry, geography, size, and relationship with the open-source community and Ceph vendors.

We welcome any and all feedback on survey content so that the Ceph User Survey Working Group can improve the experience and data collected for next year.

## General

# Ceph User Survey 2022

---

\*How long have you been using Ceph?

- |   |  |   |
|---|--|---|
| <input type="radio"/> Less than 1 year  | <input type="radio"/> Between 1-2 years    | <input type="radio"/> Between 2-5 years |
| <input type="radio"/> More than 5 years | <input type="radio"/> I don't use Ceph yet |   |
-

\*Why do you use Ceph?

- |   |                                      |  |
|---|--------------------------------------|--|
| <input type="checkbox"/> Open source                                  | <input type="checkbox"/> Scalability | <input type="checkbox"/> Cost                                      |
| <input type="checkbox"/> Feature set                                  | <input type="checkbox"/> Security    | <input type="checkbox"/> High availability                         |
| <input type="checkbox"/> Data durability /<br>reliability / integrity | <input type="checkbox"/> Performance | <input type="checkbox"/> Integration with<br>adjacent technologies |
| <input type="checkbox"/> Other (Please specify)                       |                                      |  |
| <input type="text"/>  |                                      |  |
- 

\*Sector(s) of your organization?

- |   |                                     |                                   |
|---|-------------------------------------|-----------------------------------|
| <input type="checkbox"/> Commercial             | <input type="checkbox"/> Government | <input type="checkbox"/> Military |
| <input type="checkbox"/> Academic               | <input type="checkbox"/> Non-profit | <input type="checkbox"/> Personal |
| <input type="checkbox"/> Other (Please specify) |                                     |                                   |
| <input type="text"/>                            |                                     |                                   |
-

# Which resources do you check when you need help?

	Do not use					Primary source
Ceph Documentation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ceph-users mailing list	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Slack	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Meet-up or other local groups	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
IRC	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commercial Provider	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Source code	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Additional Resource

## Where should the Ceph community focus its efforts?

	Not important					Very important
Reliability	0	1	2	3	4	5
Management / Configuration	0	1	2	3	4	5
Scalability	0	1	2	3	4	5
Security	0	1	2	3	4	5
Interoperability	0	1	2	3	4	5
Performance	0	1	2	3	4	5
Monitoring	0	1	2	3	4	5
Documentation	0	1	2	3	4	5

---

## How do you participate in the Ceph community?

<input type="checkbox"/> IRC / Slack / etc	<input type="checkbox"/> Mailing list	<input type="checkbox"/> Reporting issues via the bug tracker
<input type="checkbox"/> Contributing code	<input type="checkbox"/> Contributing / enhancing documentation	<input type="checkbox"/> Ceph events / conferences
<input type="checkbox"/> Member of the Ceph Foundation		
<input type="checkbox"/> Other (Please specify)	<div></div>	

---

## \*How likely are you to recommend Ceph to a colleague?

unlikely										likely
0	1	2	3	4	5	6	7	8	9	10

---

Please share the top reason for picking the previous answer (optional)

---

Top 3 wishlist features (add each on a separate line, optional)

\*What countries are your deployments in?

- |   |                                      |  |
|---|--------------------------------------|--|
| <input type="checkbox"/> Afghanistan            | <input type="checkbox"/> Albania     | <input type="checkbox"/> Algeria             |
| <input type="checkbox"/> Andorra                | <input type="checkbox"/> Angola      | <input type="checkbox"/> Antigua & Deps      |
| <input type="checkbox"/> Argentina              | <input type="checkbox"/> Armenia     | <input type="checkbox"/> Australia           |
| <input type="checkbox"/> Austria                | <input type="checkbox"/> Azerbaijan  | <input type="checkbox"/> Bahamas             |
| <input type="checkbox"/> Bahrain                | <input type="checkbox"/> Bangladesh  | <input type="checkbox"/> Barbados            |
| <input type="checkbox"/> Belarus                | <input type="checkbox"/> Belgium     | <input type="checkbox"/> Belize              |
| <input type="checkbox"/> Benin                  | <input type="checkbox"/> Bhutan      | <input type="checkbox"/> Bolivia             |
| <input type="checkbox"/> Bosnia Herzegovina     | <input type="checkbox"/> Botswana    | <input type="checkbox"/> Brazil              |
| <input type="checkbox"/> Brunei                 | <input type="checkbox"/> Bulgaria    | <input type="checkbox"/> Burkina Faso        |
| <input type="checkbox"/> Burundi                | <input type="checkbox"/> Cambodia    | <input type="checkbox"/> Cameroon            |
| <input type="checkbox"/> Canada                 | <input type="checkbox"/> Cape Verde  | <input type="checkbox"/> Central African Rep |
| <input type="checkbox"/> Chad                   | <input type="checkbox"/> Chile       | <input type="checkbox"/> China               |
| <input type="checkbox"/> Colombia               | <input type="checkbox"/> Comoros     | <input type="checkbox"/> Congo               |
| <input type="checkbox"/> Congo {Democratic Rep} | <input type="checkbox"/> Costa Rica  | <input type="checkbox"/> Croatia             |
| <input type="checkbox"/> Cuba                   | <input type="checkbox"/> Cyprus      | <input type="checkbox"/> Czech Republic      |
| <input type="checkbox"/> Denmark                | <input type="checkbox"/> Djibouti    | <input type="checkbox"/> Dominica            |
| <input type="checkbox"/> Dominican Republic     | <input type="checkbox"/> East Timor  | <input type="checkbox"/> Ecuador             |
| <input type="checkbox"/> Egypt                  | <input type="checkbox"/> El Salvador | <input type="checkbox"/> Equatorial Guinea   |
| <input type="checkbox"/> Eritrea                | <input type="checkbox"/> Estonia     | <input type="checkbox"/> Ethiopia            |
| <input type="checkbox"/> Faroe Islands          | <input type="checkbox"/> Fiji        | <input type="checkbox"/> Finland             |
| <input type="checkbox"/> France                 | <input type="checkbox"/> Gabon       | <input type="checkbox"/> Gambia              |
| <input type="checkbox"/> Georgia                | <input type="checkbox"/> Germany     | <input type="checkbox"/> Ghana               |
| <input type="checkbox"/> Grand Fenwick          | <input type="checkbox"/> Greece      | <input type="checkbox"/> Grenada             |
| <input type="checkbox"/> Guatemala              | <input type="checkbox"/> Guinea      | <input type="checkbox"/> Guinea-Bissau       |
| <input type="checkbox"/> Guyana                 | <input type="checkbox"/> Haiti       | <input type="checkbox"/> Honduras            |
| <input type="checkbox"/> Hungary                | <input type="checkbox"/> Iceland     | <input type="checkbox"/> India               |
| <input type="checkbox"/> Indonesia              | <input type="checkbox"/> Iran        | <input type="checkbox"/> Iraq                |
| <input type="checkbox"/> Ireland {Republic}     | <input type="checkbox"/> Israel      | <input type="checkbox"/> Italy               |
| <input type="checkbox"/> Ivory Coast            | <input type="checkbox"/> Jamaica     | <input type="checkbox"/> Japan               |
| <input type="checkbox"/> Jordan                 | <input type="checkbox"/> Kazakhstan  | <input type="checkbox"/> Kenya               |
| <input type="checkbox"/> Kiribati               | <input type="checkbox"/> Korea North | <input type="checkbox"/> Korea South         |

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Kosovo             | <input type="checkbox"/> Kuwait                   | <input type="checkbox"/> Kyrgyzstan           |
| <input type="checkbox"/> Laos               | <input type="checkbox"/> Latvia                   | <input type="checkbox"/> Lebanon              |
| <input type="checkbox"/> Leng               | <input type="checkbox"/> Lesotho                  | <input type="checkbox"/> Liberia              |
| <input type="checkbox"/> Libya              | <input type="checkbox"/> Liechtenstein            | <input type="checkbox"/> Lithuania            |
| <input type="checkbox"/> Luxembourg         | <input type="checkbox"/> Macedonia                | <input type="checkbox"/> Madagascar           |
| <input type="checkbox"/> Malawi             | <input type="checkbox"/> Malaysia                 | <input type="checkbox"/> Maldives             |
| <input type="checkbox"/> Mali               | <input type="checkbox"/> Malta                    | <input type="checkbox"/> Marshall Islands     |
| <input type="checkbox"/> Mauritania         | <input type="checkbox"/> Mauritius                | <input type="checkbox"/> Mexico               |
| <input type="checkbox"/> Micronesia         | <input type="checkbox"/> Moldova                  | <input type="checkbox"/> Monaco               |
| <input type="checkbox"/> Mongolia           | <input type="checkbox"/> Montenegro               | <input type="checkbox"/> Morocco              |
| <input type="checkbox"/> Mozambique         | <input type="checkbox"/> Myanmar, {Burma}         | <input type="checkbox"/> Namibia              |
| <input type="checkbox"/> Nauru              | <input type="checkbox"/> Narnia                   | <input type="checkbox"/> Nepal                |
| <input type="checkbox"/> Netherlands        | <input type="checkbox"/> New Zealand              | <input type="checkbox"/> Nicaragua            |
| <input type="checkbox"/> Niger              | <input type="checkbox"/> Nigeria                  | <input type="checkbox"/> Norway               |
| <input type="checkbox"/> Oman               | <input type="checkbox"/> Pakistan                 | <input type="checkbox"/> Palau                |
| <input type="checkbox"/> Panama             | <input type="checkbox"/> Papua New Guinea         | <input type="checkbox"/> Paraguay             |
| <input type="checkbox"/> Peru               | <input type="checkbox"/> Philippines              | <input type="checkbox"/> Poland               |
| <input type="checkbox"/> Portugal           | <input type="checkbox"/> Qatar                    | <input type="checkbox"/> Romania              |
| <input type="checkbox"/> Russian Federation | <input type="checkbox"/> Rwanda                   | <input type="checkbox"/> St Kitts & Nevis     |
| <input type="checkbox"/> St Lucia           | <input type="checkbox"/> St. Vincent & Grenadines | <input type="checkbox"/> Samoa                |
| <br>  |   |   |
| <input type="checkbox"/> San Marino         | <input type="checkbox"/> Sao Tome & Principe      | <input type="checkbox"/> Saudi Arabia         |
| <input type="checkbox"/> Senegal            | <input type="checkbox"/> Serbia                   | <input type="checkbox"/> Seychelles           |
| <input type="checkbox"/> Sierra Leone       | <input type="checkbox"/> Singapore                | <input type="checkbox"/> Slovakia             |
| <input type="checkbox"/> Slovenia           | <input type="checkbox"/> Solomon Islands          | <input type="checkbox"/> Somalia              |
| <input type="checkbox"/> South Africa       | <input type="checkbox"/> South Sudan              | <input type="checkbox"/> Spain                |
| <input type="checkbox"/> Sri Lanka          | <input type="checkbox"/> Sudan                    | <input type="checkbox"/> Suriname             |
| <input type="checkbox"/> Swaziland          | <input type="checkbox"/> Sweden                   | <input type="checkbox"/> Switzerland          |
| <input type="checkbox"/> Syria              | <input type="checkbox"/> Taiwan                   | <input type="checkbox"/> Tajikistan           |
| <input type="checkbox"/> Tanzania           | <input type="checkbox"/> Thailand                 | <input type="checkbox"/> Togo                 |
| <input type="checkbox"/> Tonga              | <input type="checkbox"/> Trinidad & Tobago        | <input type="checkbox"/> Tunisia              |
| <input type="checkbox"/> Turkey             | <input type="checkbox"/> Turkmenistan             | <input type="checkbox"/> Tuvalu               |
| <input type="checkbox"/> Uganda             | <input type="checkbox"/> Ukraine                  | <input type="checkbox"/> United Arab Emirates |



☐ United Kingdom

☐ Uzbekistan

☐ Venezuela

☐ Yuggoth

☐ That would be Telling :p

☐ United States

☐ Vanuatu

☐ Vietnam

☐ Zambia

☐ Uruguay

☐ Vatican City

☐ Yemen

☐ Zimbabwe

# Telemetry

\*Do you have Telemetry enabled on your cluster(s)? (Telemetry will automatically report anonymized information about your cluster, like the size of your cluster, what version of Ceph you are running, and what bugs you have encountered.)

- ☐ Yes, telemetry is enabled on all of my clusters
- ☐ Yes, telemetry is enabled on some of my clusters
- ☐ No, telemetry is not enabled on any clusters
- 

## Why is telemetry not enabled?

- ☐ I haven't gotten around to it yet
- ☐ My cluster(s) are running a Ceph version older than Luminous
- ☐ My cluster(s) are on a protected network that does not have access to the internet
- ☐ My organization's security policy does not allow storage systems to communicate with vendors or external organizations
- ☐ My organization's security policy has reviewed the information reported by telemetry and judged that it should not be shared
- ☐ Enabling telemetry would require review by my organization's security team and I have chosen not request a review
- ☐ I am worried that even the anonymized information reported by telemetry may compromise my organization's security.
- ☐ I do not believe that the Ceph community should be collecting any of this information
- ☐ Other (Please specify)

---

If you cannot send telemetry reports due to an air-gapped cluster, will you be willing to manually send telemetry, if we provide you with a tool for doing so?

- ☐ Yes
- ☐ No
- ☐ Other (Please specify)

## Have you disabled any of the default telemetry channels?

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> basic: cluster capacity, cluster size, ceph version, number of pools and file systems, which configuration options have been adjusted) | <input type="checkbox"/> crash: information about daemon crashes, including the type of daemon, ceph version, and stack trace | <input type="checkbox"/> device: anonymized device health metrics (e.g., SMART hard disk metrics) |
|---|---|---|
- 

## Have you enabled the 'ident' telemetry channel (which allows you to provide a cluster description and contact email address)?

- |   |   |
|---|---|
| <input type="radio"/> I left 'ident' disabled (the default) | <input type="radio"/> I enabled 'ident' and configured a cluster description and/or email address |
|---|---|
- 

## Have you used the public Ceph Telemetry dashboards and/or Devices dashboard?

- |   |  |                           |
|---|--|---------------------------|
| <input type="radio"/> No, I didn't realize they existed | <input type="radio"/> No, I knew they existed but have not used them | <input type="radio"/> Yes |
|---|--|---------------------------|
- 

## Why did you use the public telemetry dashboard and/or the device telemetry dashboard?

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Out of curiosity   | <input type="checkbox"/> To inform my decisions about when or whether to upgrade                   | <input type="checkbox"/> To make decisions around cluster sizing (for new cluster(s))                  |
| <input type="checkbox"/> To make decisions around cluster expansion (for existing cluster(s)) | <input type="checkbox"/> To make decisions about which type of storage devices to buy (HDD vs SSD) | <input type="checkbox"/> To make decisions about which vendor(s) or model(s) of storage devices to buy |
| <input type="checkbox"/> Other  |  |  |

## General Cluster Questions

\*How many clusters does this information represent?

\*Raw capacity (in TB) of your largest cluster

\*Total raw capacity of all clusters (before replication)

\*Total usable capacity of all clusters (after replication)

\*How much RAM (in GB) do you have for each OSD?

\*Which Ceph releases do you run?

☐

Pacific (16.x)

☐

Octopus (15.x)

☐

Nautilus (14.x)

☐

Mimic (13.x)

☐

Luminous (12.x) or older

☐

Master

\*Whose Ceph packages / container images do you use?

- ☐ Upstream packages (ceph.io)
- ☐ OS Distribution packages (RHEL, Canonical, SoftIron, Croit et al)
- ☐ We build our own packages / custom version

☐ Other (Please specify)

\*What operating systems are you using on cluster nodes?

- ☐ Ubuntu
- ☐ Debian
- ☐ RHEL / CentOS / Fedora
- ☐ SUSE
- ☐ FreeBSD/OpenBSD/NetBSD
- ☐ Other OS

\*Do you use cache tiering?

- ☐ No
- ☐ Yes, in front of EC pools for functionality
- ☐ Yes, for performance reasons

\*How soon do you apply dot/minor releases to your cluster?

- ☐ Within a week after release
- ☐ Within a month after release
- ☐ Longer
- ☐ Never
- ☐ When there's a compelling reason

\*Why?

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> I apply upgrades quickly to get any available bug fixes or security fixes | <input type="checkbox"/> I apply upgrades quickly because they require little effort | <input type="checkbox"/> I delay upgrades due to concerns about regression |
| <input type="checkbox"/> I delay upgrades due to concerns about new functionality                  | <input type="checkbox"/> I delay upgrades because there are too many updates         | <input type="checkbox"/> I delay upgrades because of the effort involved   |
| <input type="checkbox"/> I only upgrade as needed to address issues                                |  |  |
| <input type="checkbox"/> Other (Please specify)  |  |  |

\*How soon do you perform major version upgrades?

- |   |  |   |
|---|--|---|
| <input type="radio"/> Within a month of release | <input type="radio"/> Within half a year of release    | <input type="radio"/> Within a year   |
| <input type="radio"/> Longer                    | <input type="radio"/> When there's a compelling reason | <input type="radio"/> Never (clusters remain on major release they were deployed with, immutable infra) |

\*Why?

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> I upgrade quickly to get new features                                | <input type="checkbox"/> I upgrade quickly to get any available bug fixes or security fixes      | <input type="checkbox"/> I upgrade quickly because it is easy                           |
| <input type="checkbox"/> I only upgrade as needed to address specific bugs or needed features | <input type="checkbox"/> I delay upgrades due to concerns about stability                        | <input type="checkbox"/> I delay upgrades due to concerns about performance regressions |
| <input type="checkbox"/> I delay upgrades due to the effort required to upgrade               | <input type="checkbox"/> I delay upgrades to avoid a changed user experience due to new features |   |
| <input type="checkbox"/> Other (Please specify)   |  |   |

## Which Ceph Manager modules do you enable?

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> balancer               | <input type="checkbox"/> crash                      | <input type="checkbox"/> devicehealth  |
| <input type="checkbox"/> diskprediction         | <input type="checkbox"/> iostat                     | <input type="checkbox"/> pg_autoscaler |
| <input type="checkbox"/> restful                | <input type="checkbox"/> I don't know / default set |  |
| <input type="checkbox"/> Other (Please specify) |   |  |

# Hardware

\*Which chassis / server vendors do you use for cluster nodes?

- |   |                                     |   |
|---|-------------------------------------|---|
| <input type="checkbox"/> IBM                    | <input type="checkbox"/> Lenovo     | <input type="checkbox"/> Dell             |
| <input type="checkbox"/> HPE (Hewlett Packard)  | <input type="checkbox"/> Supermicro | <input type="checkbox"/> QCT (Quanta)     |
| <input type="checkbox"/> Intel                  | <input type="checkbox"/> SoftIron   | <input type="checkbox"/> Cisco            |
| <input type="checkbox"/> Fujitsu                | <input type="checkbox"/> Huawei     | <input type="checkbox"/> We build our own |
| <input type="checkbox"/> Raspberry Pi           | <input type="checkbox"/> Ambedded   | <input type="checkbox"/> Inspur           |
| <input type="checkbox"/> Prefer not to say      |                                     |   |
| <input type="checkbox"/> Other (Please specify) |                                     |   |

\*Which processor architectures and manufacturers do you use?

- |   |                                      |  |
|---|--------------------------------------|--|
| <input type="checkbox"/> ARM                    | <input type="checkbox"/> Intel Xeon  | <input type="checkbox"/> Intel (other) |
| <input type="checkbox"/> AMD EPYC               | <input type="checkbox"/> AMD (other) | <input type="checkbox"/> Power         |
| <input type="checkbox"/> Other (Please specify) |                                      |  |

\*Which type of storage devices are used?

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> HDD (SATA, SAS)        | <input type="checkbox"/> SSD (SATA, SAS) | <input type="checkbox"/> NVMe (including Optane) |
| <input type="checkbox"/> Other (Please specify) |  |  |



\*Which OSD layout strategies do you employ?

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> LVM (ceph-volume)     | <input type="checkbox"/> Partitions  | <input type="checkbox"/> At-rest encryption (dmccrypt)                                    |
| <input type="checkbox"/> Ivmcache              | <input type="checkbox"/> dm-cache  | <input type="checkbox"/> bcache   |
| <input type="checkbox"/> CAS / OpenCAS (Intel) | <input type="checkbox"/> Separate journal device (Filestore) or RocksDB/WAL device (BlueStore) | <input type="checkbox"/> All-in-one OSD (default, colocated, no separate metadata device) |
| <input type="checkbox"/> Containerized daemons | <input type="checkbox"/> Defaults / I don't know   |   |
- 

\*Do you use a dedicated cluster / replication / private network for OSD node replication and recovery?

- ☐ Yes ☐ No ☐ Mix of yes and no
- 

\*Network technologies in use

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> 1 Gb/s Ethernet        | <input type="checkbox"/> 10 Gb/s Ethernet  | <input type="checkbox"/> 25 Gb/s Ethernet  |
| <input type="checkbox"/> 40 Gb/s Ethernet       | <input type="checkbox"/> 100 Gb/s Ethernet | <input type="checkbox"/> 200 Gb/s Ethernet |
| <input type="checkbox"/> 400 Gb/s Ethernet      | <input type="checkbox"/> InfiniBand        | <input type="checkbox"/> RJ45 (Copper)     |
| <input type="checkbox"/> DAC (Copper)           | <input type="checkbox"/> AOC / Fiber       |  |
| <input type="checkbox"/> Other (Please specify) |  |  |

---

\*IP address families in use

- ☐ IPv4 only ☐ IPv6 only ☐ Dual stack
-

\*Preferred number of CPU sockets per server and why

- ☐ Single ☐ Dual ☐ Quad
- ☐ No preference / beats me

Explain why?

---

\*How many OSDs in your largest cluster?

- ☐ 10 or fewer ☐ 10 to 100 ☐ 100 to 500
- ☐ 500 to 1000 ☐ 1000 to 3000 ☐ 3000 +

---

\*Which OSD back ends do your clusters employ?

- ☐ Filestore (XFS, EXT4, BTRFS) ☐ BlueStore ☐ Both Filestore and BlueStore
- ☐ Not sure
- ☐ Other (Please specify)

---

\*RADOS data protection strategies in use

- ☐ Replication (2x) ☐ Replication (3x) ☐ Replication (4 or more copies)
- ☐ Erasure coding

## Platforms and Interface Questions

\*With which platforms do you use Ceph?

- |   |                                     |   |
|---|-------------------------------------|---|
| <input type="checkbox"/> OpenStack              | <input type="checkbox"/> Cloudstack | <input type="checkbox"/> OpenShift                      |
| <input type="checkbox"/> OpenNebula             | <input type="checkbox"/> Kubernetes | <input type="checkbox"/> VMware                         |
| <input type="checkbox"/> Microsoft Windows      | <input type="checkbox"/> Hyper-V    | <input type="checkbox"/> Proxmox                        |
| <input type="checkbox"/> KVM / QEMU             | <input type="checkbox"/> Xen        | <input type="checkbox"/> KRBD directly on Linux systems |
| <input type="checkbox"/> rbd-nbd                | <input type="checkbox"/> None       |   |
| <input type="checkbox"/> Other (Please specify) |                                     |   |

---

\*Do you provide RADOS Block Device (RBD) services with your Ceph clusters?

- ☐ Yes ☐ No

---

\*Do you provide Ceph Object Gateway (RGW, Rados Gateway) services with your Ceph clusters?

- ☐ Yes ☐ No

---

\*Do you provide Ceph File system (Ceph FS) services with your Ceph clusters?

- ☐ Yes ☐ No

---

\*Do you use the Ceph Dashboard with your Ceph clusters?

- ☐ Yes ☐ No

# RADOS Block Device (RBD)

## RBD deployment status

- ☐ Development / Testing      ☐ Staging      ☐ Production
- ☐ Proof of Concept (PoC)
- 

## \*What are your use cases for RBD?

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Scratch                | <input type="checkbox"/> Build            | <input type="checkbox"/> Logs                 |
| <input type="checkbox"/> Video                  | <input type="checkbox"/> CDN              | <input type="checkbox"/> Big Data & Analytics |
| <input type="checkbox"/> AI/ML                  | <input type="checkbox"/> HPC              | <input type="checkbox"/> Containers           |
| <input type="checkbox"/> Virtualization         | <input type="checkbox"/> Home Directories | <input type="checkbox"/> Archives             |
| <input type="checkbox"/> Backups                | <input type="checkbox"/> OLTP             |   |
| <input type="checkbox"/> Other (Please specify) |   |   |

## \*RBD (block storage) client access methods in use

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> librbd (e.g., in combination with qemu) | <input type="checkbox"/> Linux kernel RBD | <input type="checkbox"/> iSCSI (tcmu-runner) |
| <input type="checkbox"/> iSCSI (LIO with /dev/rbd)               | <input type="checkbox"/> rbd-nbd          | <input type="checkbox"/> Dokan (MS Windows)  |
| <input type="checkbox"/> Other (Please specify)                  |   |  |

## \*Do you use RBD snapshots and / or clones?

- ☐ Yes      ☐ No      ☐ Unknown

# Rados Gateway (RGW)

## RGW Ceph cluster roles (dev, staging, production, PoC)

- ☐ Development / Testing
- ☐ Staging
- ☐ Production
- ☐ Proof of Concept (PoC)
- 

## \*What are your RGW workloads?

- ☐ Scratch
- ☐ Build
- ☐ Logs
- ☐ Video
- ☐ CDN
- ☐ Big Data & Analytics
- ☐ AI/ML
- ☐ HPC
- ☐ Cloud
- ☐ Containers
- ☐ Home Directories
- ☐ Archives
- ☐ Backups
- ☐ OLTP
- ☐ Other (Please specify)

## \*Average number of RGW daemons per cluster (when RGW is deployed)

## \*Where do you run the RGW daemon?

- ☐ Dedicated machine
- ☐ On the same machine as another OSD
- 

## \*Do you run the RGW daemon in a container?

- ☐ Yes
- ☐ No
-

\*RGW clients and libraries used

- |   |                                 |  |
|---|---------------------------------|--|
| <input type="checkbox"/> Amazon SDK             | <input type="checkbox"/> Boto   | <input type="checkbox"/> Boto3             |
| <input type="checkbox"/> s3cmd / s3tools        | <input type="checkbox"/> rclone | <input type="checkbox"/> custom / in-house |
| <input type="checkbox"/> Minio                  | <input type="checkbox"/> None   |  |
| <input type="checkbox"/> Other (Please specify) |                                 |  |

\*RGW authentication mechanism

- |   |                                   |                               |
|---|-----------------------------------|-------------------------------|
| <input type="checkbox"/> RGW (built-in)         | <input type="checkbox"/> Keystone | <input type="checkbox"/> LDAP |
| <input type="checkbox"/> Other (Please specify) |                                   |                               |

\*Which load balancer and/or cache do you use with RGW?

- |  |  |                                  |
|--|--|----------------------------------|
| <input type="checkbox"/> HAproxy   | <input type="checkbox"/> Nginx           | <input type="checkbox"/> Varnish |
| <input type="checkbox"/> Dedicated hardware appliances (Alteon, F5, etc) | <input type="checkbox"/> DNS round-robin | <input type="checkbox"/> ExaBGP  |
| <input type="checkbox"/> Unknown   | <input type="checkbox"/> None            |                                  |
| <input type="checkbox"/> Other (Please specify)                          |  |                                  |

Do you have multisite clusters?

- |                           |                          |
|---------------------------|--------------------------|
| <input type="radio"/> Yes | <input type="radio"/> No |
|---------------------------|--------------------------|

Do you have more than one realm in your setup? if so, how many?

- |                          |                         |                         |
|--------------------------|-------------------------|-------------------------|
| <input type="radio"/> 0  | <input type="radio"/> 1 | <input type="radio"/> 2 |
| <input type="radio"/> 3+ |                         |                         |

\*Do you have more than one zone group in your setup?

☐

Yes

☐

No

---

\*Do you have more than one zone in your setup? if so, how many in the largest zone group?

---

\*Is the syncing policy between zones global or per bucket?

☐

Global

☐

Per bucket

---

Which Bucket Notifications endpoints do you use?

☐

Kafka

☐

AMQP

☐

HTTP

☐

What's a bucket  
notification?

☐

None

Which other endpoints would you like to have?

# CephFS

## CephFS deployment status

- ☐ Development / Testing      ☐ Staging      ☐ Production
- ☐ Proof of Concept (PoC)
- 

## \*What are your use cases for CephFS?

- |   |                                      |   |
|---|--------------------------------------|---|
| <input type="checkbox"/> Scratch                | <input type="checkbox"/> Build       | <input type="checkbox"/> Logs                 |
| <input type="checkbox"/> Video                  | <input type="checkbox"/> CDN         | <input type="checkbox"/> Big Data & Analytics |
| <input type="checkbox"/> AI/ML                  | <input type="checkbox"/> HPC         | <input type="checkbox"/> Containers           |
| <input type="checkbox"/> Virtualization         | <input type="checkbox"/> Web Hosting | <input type="checkbox"/> Home Directories     |
| <input type="checkbox"/> Archives               | <input type="checkbox"/> Backups     |   |
| <input type="checkbox"/> Other (Please specify) |                                      |   |

## \*CephFS access methods in use

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Linux kernel CephFS mount | <input type="checkbox"/> ceph-fuse               | <input type="checkbox"/> libcephfs         |
| <input type="checkbox"/> NFS (nfs-ganesha)         | <input type="checkbox"/> NFS (Kernel NFS server) | <input type="checkbox"/> CIFS (SMB, Samba) |
| <input type="checkbox"/> Other (Please specify)    |  |  |

## \*Typical number of file system clients (for largest cluster, if multiple clusters)

- |                                  |                                |                                 |
|----------------------------------|--------------------------------|---------------------------------|
| <input type="radio"/> 1 - 50     | <input type="radio"/> 51 - 100 | <input type="radio"/> 101 - 500 |
| <input type="radio"/> 501 - 2500 | <input type="radio"/> 2500+    |                                 |
- 

## \*MDS cache size (for largest cluster, if multiple clusters)

- |                                    |                                    |                                   |
|------------------------------------|------------------------------------|-----------------------------------|
| <input type="radio"/> 1GB - 4GB    | <input type="radio"/> 4GB - 15GB   | <input type="radio"/> 16GB - 31GB |
| <input type="radio"/> 32GB - 64GB  | <input type="radio"/> 65GB - 127GB | <input type="radio"/> 128GB+      |
| <input type="radio"/> I don't know |                                    |                                   |
-



Number of active MDS daemons (for largest cluster, if multiple clusters)

- ☐ 1 ☐ 2-3 ☐ 4-5  
☐ 6+
- 

\*Do you use CephFS subtree pinning?

- ☐ Yes ☐ No ☐ Unknown
- 

\*Do you use CephFS snapshots?

- ☐ Yes ☐ No ☐ Unknown
- 

\*Do you use CephFS Quotas?

- ☐ Yes ☐ No ☐ Unknown
- 

Which of these new or experimental Ceph FS features are important to you?

- ☐ Inline Data ☐ Mantle (Programmable Metadata Balancer) ☐ Multiple File Systems within a Ceph Cluster  
☐ LazyIO ☐ Mirroring  
☐ Other (Please specify)

# Ceph Dashboard

\*How likely are you to recommend the Ceph Dashboard to a colleague?

Unlikely

Likely

0	1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	---	----

\*Does the dashboard help you to perform tasks better/faster than using the CLI?

- ☐ Yes ☐ No ☐ Sometimes
- ☐ No (Please specify)

How often do you use certain dashboard features?

	Do not use					Primary Source
Landing page (at a glance monitoring)	0	1	2	3	4	5
Display cluster logs	0	1	2	3	4	5
Mon status page	0	1	2	3	4	5
OSD management	0	1	2	3	4	5
Pools management	0	1	2	3	4	5
RBD management	0	1	2	3	4	5
iSCSI target management	0	1	2	3	4	5
NFS Ganesha management	0	1	2	3	4	5
CephFS management	0	1	2	3	4	5
RGW management	0	1	2	3	4	5
View embedded Grafana dashboards	0	1	2	3	4	5

---

What functionality would you like to see added to the dashboard?

# Management and Operation

\*What metrics and monitoring tools do you use?

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Ceph Dashboard         | <input type="checkbox"/> Ceph-Dash        | <input type="checkbox"/> Croit         |
| <input type="checkbox"/> Intel VSM              | <input type="checkbox"/> Proxmox          | <input type="checkbox"/> InfluxDB      |
| <input type="checkbox"/> Prometheus             | <input type="checkbox"/> node_exporter    | <input type="checkbox"/> ceph_exporter |
| <input type="checkbox"/> Ceph-metrics           | <input type="checkbox"/> Grafana (custom) | <input type="checkbox"/> Zabbix        |
| <input type="checkbox"/> Nagios/icinga          | <input type="checkbox"/> Graphite         | <input type="checkbox"/> Collectd      |
| <input type="checkbox"/> Telegraf               |   |  |
| <input type="checkbox"/> Other (Please specify) |   |  |

---

\*Which deployment and configuration platforms do you use to manage your Ceph clusters?

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Ansible (ceph-ansible)   | <input type="checkbox"/> Ansible (other / homebrew) | <input type="checkbox"/> cephadm / Ceph orchestrator? |
| <input type="checkbox"/> Chef                     | <input type="checkbox"/> Juju                       | <input type="checkbox"/> Proxmox                      |
| <input type="checkbox"/> Puppet                   | <input type="checkbox"/> Salt / DeepSea             | <input type="checkbox"/> ceph-deploy                  |
| <input type="checkbox"/> Rook                     | <input type="checkbox"/> Croit                      | <input type="checkbox"/> OSNEXUS QuantaStor           |
| <input type="checkbox"/> SoftIron Storage Manager |   |   |
| <input type="checkbox"/> Other (Please specify)   |   |   |