

FEATURES AND BENEFITS

Why Ceph?

<p>✓ Scalable: Scales from a few TB to hundreds of PB capacity without straining your budget. Of course without downtime, interruption or big jump fixed costs.</p>	<p>✓ Flexible: Support for multiple access methods: File through Ceph- FS, Samba and NFS, Object through S3/Swift compatible interface, Block access through RBD, iSCSI and NVMeoF.</p>	<p>✓ Vendor neutral: Use of the latest commodity off the shelf hardware to optimise costs and allow you to follow the lowest cost per GB model whilst using hardware that you are already familiar with.</p>
<p>✓ Cost efficient: Ability to optimise cost per GB by using different data protection methods from replicas to erasure coding depending on your performance and data protection requirements.</p>	<p>✓ Self managed: Automatic balancing, as you add extra capacity Ceph will distribute the existing data across this new capacity with no requirement for downtime or interruption to services provided.</p>	<p>✓ Self healing: Re-create data automatically on other available space if an element of the storage infrastructure fails.</p>

Why Ceph Management from croit?

<p> Efficient: High level of automation saves precious time for more important work</p>	<p> Fast: With a few clicks and in a matter of minutes you can have a Ceph solution deployed and running ready to serve data to your applications.</p>	<p> Secure: Audit-Log, Upgrade-System, Backup and more; FIPS and Common Criteria ready</p>
<p> User friendly: Entire clusters are managed via a modern, attractive web interface</p>	<p> Comfortable: Optimizable for performance, redundancy or cost; easy integration with APIs and event scripts</p>	<p> Clear: Integrated statistics provide an overview at any time with comprehensive graphical evaluations</p>
<p> Hardware-independent: Flexible selection of suppliers and components</p>	<p> Customizable: Optimizable for performance, redundancy or cost</p>	<p> Open: Can be easily integrated into the existing infrastructure via scripts and API</p>
<p> Appliance Model: Operating system, Ceph and other services are gathered in a single image which is built, tested and supported by croit</p>	<p> Support & Consulting: croit helps you to plan and implement your cluster based on proven best practices</p>	<p> Future-proof: As a founding member of the Ceph Foundation, we help continuously improve Ceph based on customer feedback</p>

Ceph is a trademark or registered trademark of Red Hat, Inc. or its subsidiaries in the United States and other countries. | 2022 by croit GmbH

GET IN TOUCH WITH US:



+49-89-189658590



contact@croit.io



CEPH



CROIT STORAGE PLATFORM FOR CEPH

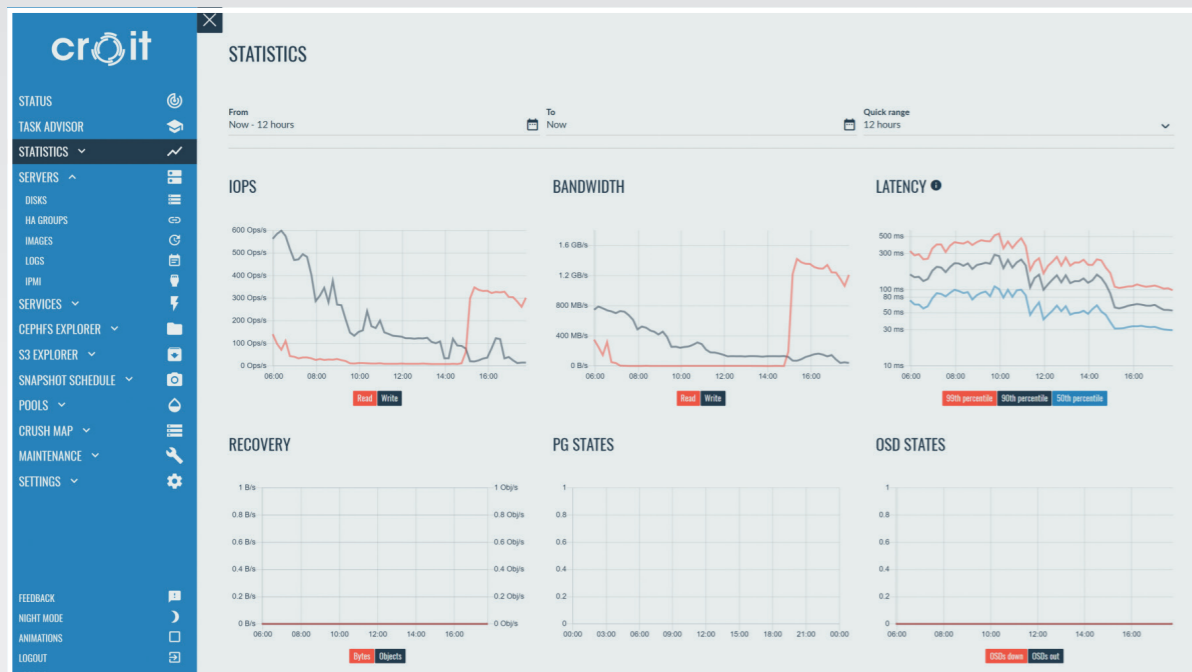
Smart Technologies Made Easy





ID	Notes	Server	Path	Capacity	Role	Device class	SMART	Encrypted	Read IOPS	Write IOPS	IO Load
558		wes-cpn-024	/dev/sda	960 GB	osd.431	ssd	passed	✓	1	5	1%
532		wes-cpn-023	/dev/sda	960 GB	osd.429	ssd	passed	✓	1	2	0%
495		wes-cpn-022	/dev/sda	960 GB	osd.402	ssd	passed	✓	1	4	0%
470		wes-cpn-021	/dev/sda	960 GB	osd.407	ssd	passed	✓	1	4	1%
445		wes-cpn-020	/dev/sdb	960 GB	osd.404	ssd	passed	✓	2	4	1%
420		wes-cpn-019	/dev/sda	960 GB	osd.403	ssd	passed	✓	1	5	1%
395		wes-cpn-018	/dev/sda	960 GB	osd.405	ssd	passed	✓	2	6	1%
370		wes-cpn-017	/dev/sda	960 GB	osd.415	ssd	passed	✓	1	3	1%
345		wes-cpn-016	/dev/sda	960 GB	osd.412	ssd	passed	✓	2	6	1%
320		wes-cpn-015	/dev/sda	960 GB	osd.411	ssd	passed	✓	1	3	0%
295		wes-cpn-014	/dev/sda	960 GB	osd.409	ssd	passed	✓	2	4	1%
270		wes-cpn-013	/dev/sda	960 GB	osd.413	ssd	passed	✓	1	2	0%
245		wes-cpn-012	/dev/sdb	960 GB	osd.406	ssd	passed	✓	2	4	1%
220		wes-cpn-011	/dev/sdb	960 GB	osd.414	ssd	passed	✓	1	4	1%
195		wes-cpn-010	/dev/sda	960 GB	osd.410	ssd	passed	✓	1	4	1%
170		wes-cpn-009	/dev/sda	960 GB	osd.408	ssd	passed	✓	2	4	1%
48		wes-cpn-006	/dev/sdb	480 GB	osd.60	ssd	passed	✓	2	4	1%
47		wes-cpn-006	/dev/sda	480 GB	osd.63	ssd	passed	✓	2	5	1%
25		wes-cpn-008	/dev/sdb	480 GB	osd.61	ssd	passed	✓	1	5	1%
24		wes-cpn-008	/dev/sda	480 GB	osd.64	ssd	passed	✓	1	3	0%
1		wes-cpn-007	/dev/sdb	480 GB	osd.65	ssd	passed	✓	1	3	0%
2		wes-cpn-007	/dev/sda	480 GB	osd.62	ssd	passed	✓	1	4	1%
583		wes-cpn-024	/dev/nvmeOn1	256 GB	mon	nvme	passed	✗	0	14	3%
557		wes-cpn-023	/dev/nvmeOn1	256 GB	mon	nvme	passed	✗	0	14	3%

The croit storage management UI: user-friendly, web-based, responsive



CROIT STORAGE PLATFORM FOR CEPH

What is Ceph?

- Distributed software-defined scaleout storage solution with massive scalability
- Object, file and block storage
- Object storage via Amazon S3/Swift or native protocols
- File and block storage integrated with every Linux kernel
- Flexible storage policies
- Data durability via replication or erasure coding
- Self-healing in case of hardware failures like disc or server outages ¹⁾

What is the croit Storage Platform for Ceph?

- Integrated on-premise management platform
- From bare metal to production
- Automated deployment tools
- Full graphical interface with cluster visualization and management
- Advanced monitoring and diagnostic features
- Additional services like NFS, SMB, iSCSI easily deployed and configured

croit Services:

- SLA-backed technical support
- Consulting (planning and sizing of storage solutions)
- Professional Services
- Training
- Named engineer support

1) If correctly planned and deployed.

☆ Highlights

- Very low storage cost per gigabyte
- Ease of expansion
- Ease of management
- Extensive integration support
- Accommodates block / file and object
- Provides access to training support and
- Professional services

🏠 About croit

- Founded in 2017
- Employees
 - in 10 countries
 - on 5 continents
- Founding member of the Ceph Foundation
- Member of the Linux Foundation
- Intel DAOS Technology Partner
 - Software Development
 - 3rd party support

croit is one of the top Innovators in Germany



Deloitte.

Winner

Technology Fast 50 Award 2022
Powerful Connections



50 Technology Fast 50 2022 Deloitte.

📺 croit on Youtube

Our channel



Product webinar

