

IBM Storage Ceph as a Service

Cloud storage in your datacenter managed by
IBM experts.

■ Highlights

Get the simplicity and flexibility of multi-protocol cloud storage in your datacenter, fully managed by IBM.

Control and optimize IT spending by aligning spending with actual usage, providing a predictable monthly fee, and minimizing expenses related to hiring and training specialized staff.

Boost staff productivity by allowing IT teams to focus on core business objectives instead of managing storage infrastructure.

Data is growing at an unprecedented pace, and with it comes the challenge of managing complex infrastructure. IT teams are under constant pressure to simplify operations, optimize costs, and seamlessly scale with business needs. Yet, managing storage systems in-house is costly, requires specialized expertise and drains your team's time. Organizations today need a storage solution that keeps up with modern workloads, whether supporting AI, analytics, or large-scale cloud applications.

IBM Storage Ceph as a Service is multi-protocol cloud storage made simple. It's a cloud-like software-defined storage solution, delivered on-premises and fully managed by IBM. This innovative service offers a fast and effortless way to transition to a modern cloud-operating model, allowing companies to quickly and easily self-deploy storage within their data center, without the need for costly infrastructure setup or lengthy implementation timelines. Storage Ceph as a Service also helps improve resource utilization, and break data silos with multi-protocol support.

Storage Ceph as a Service removes the burden of storage management, delivering enterprise-class, software-defined storage with the flexibility, scalability, and resilience that your workloads demand. With IBM experts handling deployment, monitoring, and maintenance, you can free your IT staff from the complexities of managing storage infrastructure so they can focus on crucial business priorities and driving innovation.

78%

Of organizations have adopted or plan to adopt on-premises, consumption-based storage¹ achieving the following benefits:

52%

Accelerated IT initiatives by freeing staff from infrastructure-related tasks¹

45%

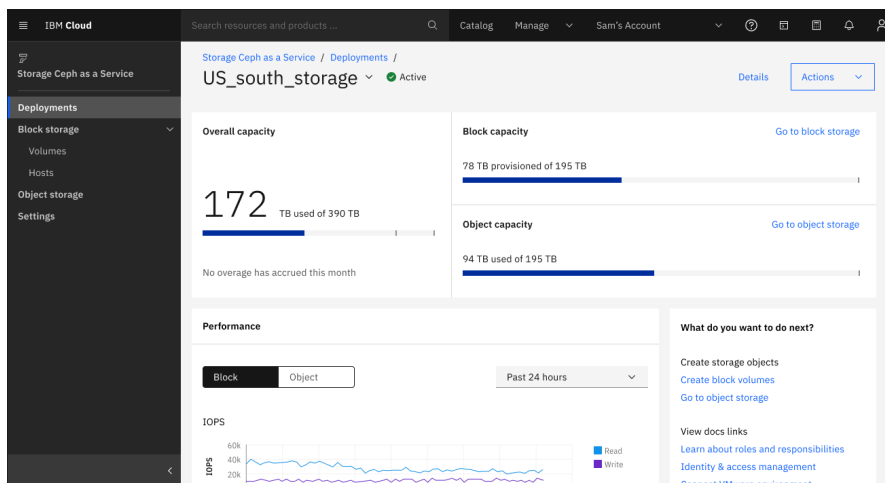
Reduced overall IT risk¹

46%

Accelerated IT initiatives via OpEx model¹

38%

Reduced operational costs¹



Key Features and Benefits

Key features of IBM Storage Ceph as a Service include:

- **Block and Object Storage Options:** Simultaneously support both block and object storage protocols, ensuring compatibility with diverse applications and use cases.
- **Fully managed by IBM:** Deployment, management, and maintenance of your Storage Ceph cluster, allowing you to focus on your business priorities. This includes continuous monitoring, proactive troubleshooting, and regular software updates.
- **APIs to integrate into existing management tools:** Effortlessly automate various processes, including data distribution, replication, placement, and failure recovery, seamlessly integrating with popular management systems.
- **Massive scalability:** Scale out your storage seamlessly as you migrate more workloads to software-defined storage. Adapt to growing storage demands without worrying about limitations on scaling capacity and throughput.

Key benefits of IBM Storage Ceph as a Service include:

- **Extreme flexibility:** Multiprotocol support that adapts to your storage needs across architectures, workloads and integrations.
- **Full-stack security:** Enterprise-grade infrastructure security, data integrity and regulatory compliance.
- **End-to-end Integration:** Multivendor support from on-premises systems to cloud ecosystems.
- **Consistently available support:** Round-the-clock access to IBM's technical experts, proactive monitoring and automated issue prevention.
- **On-demand scaling:** Start small, grow big and adapt to business needs without disruption.
- **Hybrid cloud by design:** Designed for on-prem, cloud-native, or containerized applications ensuring data availability and resilience.

Service-level options

IBM Storage Ceph as a Service is an infrastructure as a service (IaaS) offering where the operating system, storage software, and the hardware is licensed, owned and maintained by IBM. The hardware component of the Service is installed in the Customer’s designated datacenter. This Service includes an initial amount of committed storage capacity for use during the term of the contract. This is coupled with the ability for variable additional capacity consumption above the committed capacity.

Storage Ceph as a Service’s solution is comprised of a rack, servers, storage, networking equipment, and associated software, integrated in a rack and connected to the IBM Cloud®, along with technical support.

Choose between our service packages based on your unique requirements.

Performance Tier	Capacity Tier
Designed for performance-sensitive applications that require unified data access.	Designed for cost-efficient and long-term preservation of warm and cold data.
Ideal for virtual machine storage, cloud-native applications, dev/test environments, and more.	Ideal for cost-efficient, large capacity data lakes, active archive, and more.
Capacity options: 100TB to 800TB (in licensable increments of 100TB)	Capacity options: 800TB to 3200TB (in licensable increments of 800TB).
30% buffer for optional burst usage above committed capacities, providing added flexibility for handling peak demands.	

Available at 3, 4, and 5-year terms.



For more information

To learn more about Storage Ceph, contact your IBM representative or IBM Business Partner or visit ibm.com/products/storage-ceph.

1. “Consumption-based Storage Continues to Build”, Enterprise Strategy Group, May 2024. [Link](#)

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