

Scale effortlessly with IBM Cloud Object Storage System



*IBM Cloud Object Storage System—
on-premises hardware specifications*

Key benefits

- Hardware configurations optimized for use in an IBM Cloud Object Storage System
 - IBM hardware and software support included for IBM Cloud Object Storage System
 - Industry-standard hardware components for a cost effective solution (software defined and hardware aware)
 - Multiple configuration options to optimize around your requirements
-

IBM® Cloud Object Storage is a revolutionary modern object storage platform that helps solve petabyte and beyond storage challenges for unstructured data in organizations worldwide. It is designed to provide a flexible, scalable and simple management and storage infrastructure. IBM Cloud Object Storage also provides the availability, security, and total cost of ownership (TCO) benefits that customers require for an enterprise storage solution.

The IBM Cloud Object Storage System™ is deployed as a cluster combining three types of nodes. The IBM Cloud Object Storage Manager node provides a single pane of glass for configuration, administration, monitoring and fault management. The IBM Cloud Object Storage Accesser® nodes handle storage I/O requests, encrypting and encoding data as it is written to the IBM Cloud Object Storage System. The final part of the storage system is a set of IBM Cloud Object Storage Slicestor® nodes where encoded data is stored. These Slicestor nodes maintain the data slices to ensure the security, reliability and availability of the data.



This data sheet summarizes the hardware configuration of various components in an IBM Cloud Object Storage System.

IBM Machine Type		Slicestor										
		3401/3403 S10		3401/3403 S01		3401/3403 S02		3401/3403 S03				
Model		2212A		2448		3448		2584				
Attributes	Processor	CPU/Speed		Intel Xeon E5-2620 v4 2.0 GHz		Intel Xeon E5-2637 v3 3.5 GHz		Intel Xeon E5-2698L v4 2.1 GHz		Intel Xeon E5-2618L v2 2.0 GHz		
		Cores		6		4		20		4		
	RAM Module/DDR		32 GB		128 GB		256 GB		64 GB			
Drives	Maximum capacity per Slicestor		120 TB		480 TB		480 TB		840 TB			
	Disk drive slots		12		48		48		84			
	Guidelines		12		16/32/48		16/32/48		14/28/42/56/70/84			
	Size	4 TB		●		●		●		●		
		6 TB		●		●		●		●		
		8 TB		●		●		●		●		
10 TB		●		●		●		●				
OS HDD		1 x 120 GB		2 x 120 GB SSD		2 x 128 GB SSD						
Network	Included	2 x 1 GigE		●		●		●				
		2 x 10 GigE								●		
	Optional	2 x 10 GigE		●		●		●				
		4 x 10 GigE		●		●		●				
		1 x 40 GigE		●		●		●				
		2 x 40 GigE		●		●		●				
Physical	Dimensions	Rack units (RU)		2 U		4 U		4 U		5 U		
		Height		3.40 in / 8.64 cm		7.00 in / 17.80 cm		7.00 in / 17.80 cm		8.66 in / 22.00 cm		
		Width		17.20 in / 43.69 cm		17.20 in / 43.70 cm		17.20 in / 43.70 cm		19.00 in / 48.30 cm		
		Depth		26.92 in / 68.38 cm		32.50 in / 82.60 cm		7.00 in / 17.80 cm		36.70 in / 93.30 cm		
		Max Weight		52.00 lb / 23.60 kg		158.00 lb / 71.70 kg		158.00 lb / 71.70 kg		282.00 lb / 128.00 kg		
	Power	Power Supplies		2		2		2		2		
		100 V	Inrush (Amps/Watts)				4.31 / 819.50					
			Full load (Amps/Watts)				4.22 / 805.70					
		240 V	Inrush (Amps/Watts)				3.58 / 814.80					
			Full load (Amps/Watts)				3.38 / 800.40					

Figure 1: IBM Cloud Object Storage System Appliances Landscape—Slicestor

IBM Machine Type			Accesser				Manager		
			3401/3403 A00		3401/3403 A01		3401/3403 M01		
Model			3105		4105		3105		
Attributes	Processor	CPU/Speed	Intel Xeon E5-2690 v3 2.6 GHz		2 x Intel Xeon E5-2690 v3 2.6 GHz		Intel Xeon E5-2690 v3 2.6 GHz		
		Cores	12		2 x 12		12		
	RAM Module/DDR	32 GB		128 GB		256 GB			
Drives	OS HDD	2 x 120 GB SSD		2 x 120 GB SSD		2 x 120 GB SSD			
Network	Included	2 x 1 GigE	●		●		●		
		2 x 10 GigE							
	Optional	2 x 10 GigE	●		●		●		
		4 x 10 GigE	●		●		●		
		1 x 40 GigE	●		●				
		2 x 40 GigE	●		●				
Physical	Dimensions	Rack units (RU)	1 U		1 U		1 U		
		Height	1.75 in	4.40 cm	1.75 in	4.40 cm	1.75 in	4.40 cm	
		Width	17.20 in	43.70 cm	17.20 in	43.70 cm	17.20 in	43.70 cm	
		Depth	27.00 in	68.60 cm	27.00 in	68.60 cm	27.00 in	68.60 cm	
		Max Weight	29.50 lb	13.40 kg	30.10 lb	13.65 kg	29.50 lb	13.40 kg	
	Power	Power Supplies		2		2		2	
		100 V	Inrush (Amps/Watts)	1.71	168.21	2.71	265.59	2.37	232.02
			Full load (Amps/Watts)	1.69	165.83	2.04	200.94	1.82	179.72
		240 V	Inrush (Amps/Watts)	0.84	166.62	262.68	0.92	0.99	225.06
			Full load (Amps/Watts)	0.82	159.83	196.70	0.94	1.82	179.72

Figure 2: IBM Cloud Object Storage System Appliances Landscape—Accesser and Manager

Manager	IBM Accesser	IBM Slicestor
<ul style="list-style-type: none"> – Fault management – Reporting – Provisioning – Performance monitoring – Storage configuration – Single pane of glass 	<ul style="list-style-type: none"> – S3 interface – Encrypts data – Slices data – Disperses data – Retrieves data – Stateless 	<ul style="list-style-type: none"> – Storage for slices – Single site or multi-site – Capacity-based pricing – Data integrity management

Simple to manage, upgrade and monitor with less staff for a similar size solution.
No need to separately manage the hardware or the operating system.

Figure 3: IBM Cloud Object Storage System Components

About IBM Cloud Object Storage

IBM Cloud Object Storage provides organizations the flexibility, scale and simplicity required to store, manage and access today's rapidly growing unstructured data in a hybrid cloud environment. Relied upon by some of the world's largest repositories, our proven solutions turn storage challenges into business advantage by reducing storage costs while reliably supporting both traditional and emerging cloud-born workloads for enterprise mobile, social, analytics and cognitive computing. IBM Cloud Object Storage is built on technology from object storage leader Cleversafe®, acquired by IBM in 2015.

For more information

To learn more, call 1-866-398-7638 or visit the IBM Cloud Object Storage website: ibm.com/software/products/en/object-storage-on-prem.



© Copyright IBM Corporation 2017

IBM Corporation
Route 100
Somers, NY 10589

Produced in the United States of America
October 2017

IBM, the IBM logo, ibm.com, Accesser, Cleversafe, Cloud Object Storage System, and Slicestor are trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the web at "Copyright and trademark information" at www.ibm.com/legal/copytrade.shtml.

Intel, Intel logo, Intel Inside, Intel Inside logo, Intel Centrino, Intel Centrino logo, Celeron, Intel Xeon, Intel SpeedStep, Itanium, and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

This document is current as of the initial date of publication and may be changed by IBM at any time.

The performance data discussed herein is presented as derived under specific operating conditions. Actual results may vary. It is the user's responsibility to evaluate and verify the operation of any other products or programs with IBM products and programs.

THE INFORMATION IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY OR CONDITION OF NON-INFRINGEMENT. IBM products are warranted according to the terms and conditions of the agreements under which they are provided.

Statement of Good Security Practices: IT system security involves protecting systems and information through prevention, detection and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, misappropriated or misused or can result in damage to or misuse of your systems, including for use in attacks on others. No IT system or product should be considered completely secure and no single product, service or security measure can be completely effective in preventing improper use or access. IBM systems, products and services are designed to be part of a lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products or services to be most effective. IBM DOES NOT WARRANT THAT ANY SYSTEMS, PRODUCTS OR SERVICES ARE IMMUNE FROM, OR WILL MAKE YOUR ENTERPRISE IMMUNE FROM, THE MALICIOUS OR ILLEGAL CONDUCT OF ANY PARTY.

Actual available storage capacity may be reported for both uncompressed and compressed data and will vary and may be less than stated.



Please Recycle