

IBM Storage offers a capacity tier for the IBM Block Storage as a Service (STaaS) family

Table of contents

1 Overview	12 Publications
1 Key requirements	14 Technical information
1 Planned availability date	15 Terms and conditions
1 Description	16 Prices
2 Product number	17 Regional availability

Overview

For high-capacity needs where performance is not the primary concern, IBM^(R) offers a capacity-based tier for the Block STaaS family. This tier will provide a high-density storage solution and is ideal for clients with highly variable capacity needs for lower-tier workloads and backup solutions.

Key requirements

- Base commitment CTx models: 100 TB for Tier 4 systems (CTx models) is the minimum that must be included in the base
- Variable component CVx models: On a quarterly or annual basis, clients pay based on how much storage used above the base commitment

Planned availability date

April 12, 2022.

Availability within a country is subject to local legal requirements.

Description

With IBM Block STaaS, clients answer a few questions pertaining to their storage needs, such as the duration they wish to utilize the system and the minimum performance service-level objective they would like to meet, and then the process is initiated. Once the terms are set and the system is ordered, IBM determines which type of system will meet the needs. These systems are supported with lifecycle management services for the entire duration of the contract.

The basic questions include:

- How much base capacity do you wish to commit?
- What performance level do you need (IOPS/TB): 4,500, 2,250, 600, or 140?
- How long do you expect to require the storage, from one to five years?
- How quickly do you expect your storage requirements to grow over time?
- Do you need Fibre Channel or Ethernet connectivity?
- Which PDU power cord type do you require?
- Do you want to utilize encryption?

The overall contract is priced based on a per-terabyte, per-month basis for both the base commitment and the variable consumption over time. The base commitment capacity is an annual payment throughout the full program term. For systems that grow at a high rate, IBM may require this commitment to be increased over time. Capacity that is consumed above the base commitment is billed per-terabyte, per month of utilization, as reported through IBM Storage Insights. Typically, this is billed quarterly.

During the contract term, IBM will provide lifecycle management services to the client, including:

- Technical Account Manager
- Machine setup services
- Machine maintenance, 24 hours a day, seven days a week, same day onsite repair
- IBM Software Maintenance
- Predictive support
- Enhanced response time of 30 minutes for severity 1 and 2 issues
- Remote code load (as needed by client and guided by the Technical Account Manager)
- Monitoring and installation of additional capacity
- Periodic technology refresh
- Proper recycle of assets returned to IBM

If the equipment in use reaches the end of its service life during the contract term, IBM will ship replacement equipment as part of the lifecycle management service. The old equipment will remain on site for up to ninety days to allow the client to migrate their data to the new system.

As the capacity utilization grows over time, IBM will, at its discretion, ship additional equipment (either drives or additional controllers) to assure the client has room to grow. If a client has a project that will require a sudden increase in capacity use, they may work with their IBM representative or partner to assure the capacity will be available. Additional capacity that is shipped as additional storage controllers can either be installed separately, or clustered to the existing systems, up to the maximum clustering capabilities of the particular system type that is deployed.

At the end of the term, all equipment is returned to IBM. Clients are responsible for securely erasing their data, as IBM is not responsible for any data that is not erased.

Accessibility by people with disabilities

Accessibility Compliance Reports (previously known as a VPAT) containing details on accessibility compliance to standards, including the Worldwide Consortium Web Content Accessibility Guidelines, European Standard EN 301 349, and US Section 508, can be found on the [IBM Accessibility Conformance Report Request](#) website.

Product number

Description	Machine type	Model	Feature
IBM Block Storage as a Service Capacity Tier, 1 year term, per annum	9601	CT1	
IBM Block Storage as a Service Capacity Tier, 2 year term, per annum	9601	CT2	

Description	Machine type	Model	Feature
IBM Block Storage as a Service Capacity Tier, 3 year term, per annum	9601	CT3	
IBM Block Storage as a Service Capacity Tier, 4 year term, per annum	9601	CT4	
IBM Block Storage as a Service Capacity Tier, 5 year term, per annum	9601	CT5	
Expert Care Tracker	9601	CT1	ADM1
Base capacity commitment, per one TB increment, Small	9601	CT1	00Q1
Base capacity commitment, per ten TB increment, Small	9601	CT1	00Q2
Base capacity commitment, per hundred TB increment, Small	9601	CT1	00Q3
Base capacity commitment, per thousand TB increment, Small	9601	CT1	00Q4
Base capacity commitment, per one TB increment, Med	9601	CT1	01Q1
Base capacity commitment, per ten TB increment, Med	9601	CT1	01Q2
Base capacity commitment, per hundred TB increment, Med	9601	CT1	01Q3
Base capacity commitment, per thousand TB increment, Med	9601	CT1	01Q4
Base capacity commitment, per one TB increment, Lg	9601	CT1	02Q1
Base capacity commitment, per ten TB increment, Lg	9601	CT1	02Q2
Base capacity commitment, per hundred TB increment, Lg	9601	CT1	02Q3
Base capacity commitment, per thousand TB increment, Lg	9601	CT1	02Q4
Expert Care Tracker	9601	CT2	ADM2

Description	Machine type	Model	Feature
Base capacity commitment, per one TB increment, Small	9601	CT2	00R1
Base capacity commitment, per ten TB increment, Small	9601	CT2	00R2
Base capacity commitment, per hundred TB increment, Small	9601	CT2	00R3
Base capacity commitment, per thousand TB increment, Small	9601	CT2	00R4
Base capacity commitment, per one TB increment, Med	9601	CT2	01R1
Base capacity commitment, per ten TB increment, Med	9601	CT2	01R2
Base capacity commitment, per hundred TB increment, Med	9601	CT2	01R3
Base capacity commitment, per thousand TB increment, Med	9601	CT2	01R4
Base capacity commitment, per one TB increment, Lg	9601	CT2	02R1
Base capacity commitment, per ten TB increment, Lg	9601	CT2	02R2
Base capacity commitment, per hundred TB increment, Lg	9601	CT2	02R3
Base capacity commitment, per thousand TB increment, Lg	9601	CT2	02R4
Expert Care Tracker	9601	CT3	ADM3
Base capacity commitment, per one TB increment, Small	9601	CT3	00S1
Base capacity commitment, per ten TB increment, Small	9601	CT3	00S2
Base capacity commitment, per hundred TB increment, Small	9601	CT3	00S3
Base capacity commitment, per thousand TB increment, Small	9601	CT3	00S4

Description	Machine type	Model	Feature
Base capacity commitment, per one TB increment, Med	9601	CT3	01S1
Base capacity commitment, per ten TB increment, Med	9601	CT3	01S2
Base capacity commitment, per hundred TB increment, Med	9601	CT3	01S3
Base capacity commitment, per thousand TB increment, Med	9601	CT3	01S4
Base capacity commitment, per one TB increment, Lg	9601	CT3	02S1
Base capacity commitment, per ten TB increment, Lg	9601	CT3	02S2
Base capacity commitment, per hundred TB increment, Lg	9601	CT3	02S3
Base capacity commitment, per thousand TB increment, Lg	9601	CT3	02S4
Expert Care Tracker	9601	CT4	ADM4
Base capacity commitment, per one TB increment, Small	9601	CT4	00T1
Base capacity commitment, per ten TB increment, Small	9601	CT4	00T2
Base capacity commitment, per hundred TB increment, Small	9601	CT4	00T3
Base capacity commitment, per thousand TB increment, Small	9601	CT4	00T4
Base capacity commitment, per one TB increment, Med	9601	CT4	01T1
Base capacity commitment, per ten TB increment, Med	9601	CT4	01T2
Base capacity commitment, per hundred TB increment, Med	9601	CT4	01T3
Base capacity commitment, per thousand TB increment, Med	9601	CT4	01T4

Description	Machine type	Model	Feature
Base capacity commitment, per one TB increment, Lg	9601	CT4	02T1
Base capacity commitment, per ten TB increment, Lg	9601	CT4	02T2
Base capacity commitment, per hundred TB increment, Lg	9601	CT4	02T3
Base capacity commitment, per thousand TB increment, Lg	9601	CT4	02T4
Expert Care Tracker	9601	CT5	ADM5
Base capacity commitment, per one TB increment, Small	9601	CT5	00U1
Base capacity commitment, per ten TB increment, Small	9601	CT5	00U2
Base capacity commitment, per hundred TB increment, Small	9601	CT5	00U3
Base capacity commitment, per thousand TB increment, Small	9601	CT5	00U4
Base capacity commitment, per one TB increment, Med	9601	CT5	01U1
Base capacity commitment, per ten TB increment, Med	9601	CT5	01U2
Base capacity commitment, per hundred TB increment, Med	9601	CT5	01U3
Base capacity commitment, per thousand TB increment, Med	9601	CT5	01U4
Base capacity commitment, per one TB increment, Lg	9601	CT5	02U1
Base capacity commitment, per ten TB increment, Lg	9601	CT5	02U2
Base capacity commitment, per hundred TB increment, Lg	9601	CT5	02U3
Base capacity commitment, per thousand TB increment, Lg	9601	CT5	02U4

Description	Machine type	Model	Feature
Initial System Setup	9601	CT1, CT2, CT3, CT4, CT5	SETU
Connectivity Option	9601	CT1, CT2, CT3, CT4, CT5	CONN
Power Cord Option	9601	CT1, CT2, CT3, CT4, CT5	POWR
Encryption Option	9601	CT1, CT2, CT3, CT4, CT5	ENCR
Anticipated annual growth rate of the system capacity	9601	CT1, CT2, CT3, CT4, CT5	GRTH
Anticipated annual rate of the reduction in capacity consumption over time	9601	CT1, CT2, CT3, CT4, CT5	REDU
Preinstall Package ID One	9601	CT1, CT2, CT3, CT4, CT5	IID1
Preinstall Package ID Two	9601	CT1, CT2, CT3, CT4, CT5	IID2
Preinstall Package ID Three	9601	CT1, CT2, CT3, CT4, CT5	IID3
Preinstall Package ID Four	9601	CT1, CT2, CT3, CT4, CT5	IID4
Preinstall Package ID Five	9601	CT1, CT2, CT3, CT4, CT5	IID5
STorM Project ID One	9601	CT1, CT2, CT3, CT4, CT5	PID1
STorM Project ID Two	9601	CT1, CT2, CT3, CT4, CT5	PID2
STorM Project ID Three	9601	CT1, CT2, CT3, CT4, CT5	PID3
STorM Project ID Four	9601	CT1, CT2, CT3, CT4, CT5	PID4
STorM Project ID Five	9601	CT1, CT2, CT3, CT4, CT5	PID5
STorM System ID One	9601	CT1, CT2, CT3, CT4, CT5	SID1
STorM System ID Two	9601	CT1, CT2, CT3, CT4, CT5	SID2
STorM System ID Three	9601	CT1, CT2, CT3, CT4, CT5	SID3
STorM System ID Four	9601	CT1, CT2, CT3, CT4, CT5	SID4
STorM System ID Five	9601	CT1, CT2, CT3, CT4, CT5	SID5

The following are newly announced features and models on the specified models of the IBMSystem Storage 9602 machine type:

Description	Machine type	Model	Feature
IBM Block Storage as a Service Variable Use for Capacity-Tier, 1 year term, per annum	9602	CV1	
IBM Block Storage as a Service Variable Use for Capacity-Tier, 2 year term, per annum	9602	CV2	

Description	Machine type	Model	Feature
IBM Block Storage as a Service Variable Use for Capacity-Tier, 3 year term, per annum	9602	CV3	
IBM Block Storage as a Service Variable Use for Capacity-Tier, 4 year term, per annum	9602	CV4	
IBM Block Storage as a Service Variable Use for Capacity-Tier, 5 year term, per annum	9602	CV5	
Variable capacity consumption in Average TB per month, per one TB, Small	9602	CV1	10Q1
Variable capacity consumption in Average TB per month, per ten TB, Small	9602	CV1	10Q2
Variable capacity consumption in Average TB per month, per hundred TB, Small	9602	CV1	10Q3
Variable capacity consumption in Average TB per month, per thousand TB, Small	9602	CV1	10Q4
Variable capacity consumption in Average TB per month, per one TB, Med	9602	CV1	11Q1
Variable capacity consumption in Average TB per month, per ten TB, Med	9602	CV1	11Q2
Variable capacity consumption in Average TB per month, per hundred TB, Med	9602	CV1	11Q3
Variable capacity consumption in Average TB per month, per thousand TB, Med	9602	CV1	11Q4
Variable capacity consumption in Average TB per month, per one TB, Lg	9602	CV1	12Q1
Variable capacity consumption in Average TB per	9602	CV1	12Q2

Description	Machine type	Model	Feature
month, per ten TB, Lg			
Variable capacity consumption in Average TB per month, per hundred TB, Lg	9602	CV1	12Q3
Variable capacity consumption in Average TB per month, per thousand TB, Lg	9602	CV1	12Q4
Variable capacity consumption in Average TB per month, per one TB, Small	9602	CV2	10R1
Variable capacity consumption in Average TB per month, per ten TB, Small	9602	CV2	10R2
Variable capacity consumption in Average TB per month, per hundred TB, Small	9602	CV2	10R3
Variable capacity consumption in Average TB per month, per thousand TB, Small	9602	CV2	10R4
Variable capacity consumption in Average TB per month, per one TB, Med	9602	CV2	11R1
Variable capacity consumption in Average TB per month, per ten TB, Med	9602	CV2	11R2
Variable capacity consumption in Average TB per month, per hundred TB, Med	9602	CV2	11R3
Variable capacity consumption in Average TB per month, per thousand TB, Med	9602	CV2	11R4
Variable capacity consumption in Average TB per month, per one TB, Lg	9602	CV2	12R1
Variable capacity consumption in Average TB per month, per ten TB, Lg	9602	CV2	12R2
Variable capacity consumption in Average TB per month, per hundred TB, Lg	9602	CV2	12R3

Description	Machine type	Model	Feature
Variable capacity consumption in Average TB per month, per thousand TB, Lg	9602	CV2	12R4
Variable capacity consumption in Average TB per month, per one TB, Small	9602	CV3	10S1
Variable capacity consumption in Average TB per month, per ten TB, Small	9602	CV3	10S2
Variable capacity consumption in Average TB per month, per hundred TB, Small	9602	CV3	10S3
Variable capacity consumption in Average TB per month, per thousand TB, Small	9602	CV3	10S4
Variable capacity consumption in Average TB per month, per one TB, Med	9602	CV3	11S1
Variable capacity consumption in Average TB per month, per ten TB, Med	9602	CV3	11S2
Variable capacity consumption in Average TB per month, per hundred TB, Med	9602	CV3	11S3
Variable capacity consumption in Average TB per month, per thousand TB, Med	9602	CV3	11S4
Variable capacity consumption in Average TB per month, per one TB, Lg	9602	CV3	12S1
Variable capacity consumption in Average TB per month, per ten TB, Lg	9602	CV3	12S2
Variable capacity consumption in Average TB per month, per hundred TB, Lg	9602	CV3	12S3
Variable capacity consumption in Average TB per month, per thousand TB, Lg	9602	CV3	12S4
Variable capacity consumption in	9602	CV4	10T1

Description	Machine type	Model	Feature
Average TB per month, per one TB, Small			
Variable capacity consumption in Average TB per month, per ten TB, Small	9602	CV4	10T2
Variable capacity consumption in Average TB per month, per hundred TB, Small	9602	CV4	10T3
Variable capacity consumption in Average TB per month, per thousand TB, Small	9602	CV4	10T4
Variable capacity consumption in Average TB per month, per one TB, Med	9602	CV4	11T1
Variable capacity consumption in Average TB per month, per ten TB, Med	9602	CV4	11T2
Variable capacity consumption in Average TB per month, per hundred TB, Med	9602	CV4	11T3
Variable capacity consumption in Average TB per month, per thousand TB, Med	9602	CV4	11T4
Variable capacity consumption in Average TB per month, per one TB, Lg	9602	CV4	12T1
Variable capacity consumption in Average TB per month, per ten TB, Lg	9602	CV4	12T2
Variable capacity consumption in Average TB per month, per hundred TB, Lg	9602	CV4	12T3
Variable capacity consumption in Average TB per month, per thousand TB, Lg	9602	CV4	12T4
Variable capacity consumption in Average TB per month, per one TB, Small	9602	CV5	10U1
Variable capacity consumption in Average TB per	9602	CV5	10U2

Description	Machine type	Model	Feature
month, per ten TB, Small			
Variable capacity consumption in Average TB per month, per hundred TB, Small	9602	CV5	10U3
Variable capacity consumption in Average TB per month, per thousand TB, Small	9602	CV5	10U4
Variable capacity consumption in Average TB per month, per one TB, Med	9602	CV5	11U1
Variable capacity consumption in Average TB per month, per ten TB, Med	9602	CV5	11U2
Variable capacity consumption in Average TB per month, per hundred TB, Med	9602	CV5	11U3
Variable capacity consumption in Average TB per month, per thousand TB, Med	9602	CV5	11U4
Variable capacity consumption in Average TB per month, per one TB, Lg	9602	CV5	12U1
Variable capacity consumption in Average TB per month, per ten TB, Lg	9602	CV5	12U2
Variable capacity consumption in Average TB per month, per hundred TB, Lg	9602	CV5	12U3
Variable capacity consumption in Average TB per month, per thousand TB, Lg	9602	CV5	12U4
Variable capacity model registration	9602	CV1, CV2, CV3, CV4, CV5	REGI

Publications

No publications are shipped with the products.

To access the IBM Publications Center Portal, go to the [IBM Publications Center](#) website.

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive

search facilities are provided. A large number of publications are available online in various file formats, which can currently be downloaded.

National language support

When available, translated product documentation can be found in the [IBM Support Portal](#).

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For assistance, contact Systems Lab Services at ibmsls@us.ibm.com.

To learn more, see the [IBM Systems Lab Services](#) website.

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For more information, contact Security Expert Labs at sel@us.ibm.com.

For additional information, see the [IBM Security Expert Labs](#) website.

IBM support

For installation and technical support information, see the [IBM Support Portal](#).

Additional support

IBM Client Engineering for Systems

Client Engineering for Systems is a framework for accelerating digital transformation. It helps you generate innovative ideas and equips you with the practices, technologies, and expertise to turn those ideas into business value in weeks. When you work with Client Engineering for Systems, you bring pain points into focus. You empower your team to take manageable risks, adopt leading technologies, speed up solution development, and measure the value of everything you do. Client Engineering for Systems has experts and services to address a broad array of use cases, including capabilities for business transformation, hybrid cloud, analytics and AI, infrastructure systems, security, and more. Contact Client Engineering at sysgarage@ibm.com.

Technical information

Specified operating environment

Physical specifications

- Height: 8.8 cm (3.5 in.)
- Width: 48.3 cm (19.0 in.)
- Depth: 85.0 cm (33.5 in.)

- Approximate weight:
 - Empty: 38.5 kg (84.7 lb)
 - Fully configured: 46.6 kg (102.5 lb)

To assure installability and serviceability in non-IBM industry-standard racks, review the installation planning information for any product-specific installation requirements.

Operating environment

Air temperature

- Operating: 5°C to 35°C (41°F to 95°F) from 0 to 3048 m (0 to 10,000 ft); Above 900 m, de-rate maximum air temperature 1 degree per 300 m
- Nonoperating: 1°C to 50°C (34°F to 122°F)

Relative humidity

- Operating: 8% - 80% noncondensing
- Nonoperating: 8% - 80% noncondensing

Electrical power

- Voltage range: 200 - 240 V AC
- Frequency: 50 - 60 Hz
- Power: 2000 W
- Heat dissipation (BTU per hour): 6825
- Acoustical noise emission: 8.1 bels (idling), 8.1 bels (operating)

Planning information

Client responsibilities

Physical configuration and installation planning, along with machine installation and configuration, are client responsibilities.

You are responsible for downloading or obtaining from IBM, and installing designated Machine Code (microcode, basic input/output system code (called BIOS), utility programs, device drivers, and diagnostics delivered with an IBM machine) and other software updates in a timely manner from an IBM internet website or from other electronic media, and following the instructions that IBM provides. You may request IBM to install Machine Code changes; however, you may be charged for that service.

Security, auditability, and control

This product uses the security and auditability features of the preloaded application software.

The client is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

Terms and conditions

Volume orders

Contact your IBM representative.

Products - terms and conditions

Warranty period

Not applicable

Usage plan machine

No

IBM hourly service rate classification

Not applicable

When a type of service involves the exchange of a machine part, the replacement may not be new, but will be in good working order.

General terms and conditions

Field-installable features

No

Model conversions

No

Machine installation

Installation is performed by IBM. IBM will install the machine in accordance with the IBM installation procedures for the machine. In the United States, contact IBM at 1-800-IBM-SERV (426-7378). In other countries, contact the local IBM office.

Graduated program license charges apply

No

Licensed Internal Code and Licensed Machine Code

This product does not contain Licensed Internal Code or Licensed Machine Code.

Educational allowance

Educational allowance: A reduced charge is available to qualified education clients. The educational allowance may not be added to any other discount or allowance.

The educational allowance is 15% for the products in this announcement.

Prices

For all local charges, contact your local IBM representative or IBM Business Partner.

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Regional availability

Australia, Republic of Korea, New Zealand, and Singapore

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