



IBM Elastic Storage on Cloud delivers Elastic Storage software-defined storage as a service on SoftLayer

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At a glance

IBM® Elastic Storage delivered as a service on SoftLayer offers the following benefits:

- Rapid access to the high-performance, scalable, and highly-available Elastic Storage shared file system.
- Optimal I/O performance with bare metal resources.
- Seamless data sharing between on-premise and cloud-based resources for hybrid cloud implementations.

Overview

IBM Elastic Storage on Cloud extends the benefits of IBM Elastic Storage by delivering the software as a service on the SoftLayer cloud. It is a complete cloud-based implementation that includes bare metal resources for optimal I/O performance as well as full support from IBM.

With full HDFS compatibility, Elastic Storage on Cloud easily supports both technical computing and analytics as well as Hadoop and Hadoop-like workloads. It also has the flexibility to support both hybrid and public cloud implementations, enabling seamless data sharing between on-premise and cloud-based resources. It delivers the necessary security with full encryption of all stored data, as well as physical isolation of cloud-based resources.

Planned availability date

July 14, 2014

Description

Elastic Storage on Cloud extends the benefits of IBM Elastic Storage by delivering the software as a service on the SoftLayer cloud. This delivers the following additional benefits:

- More capability, lower costs:
 - Easily meet additional demand, without the upfront costs of purchasing in-house infrastructure or the ongoing cost of infrastructure management.

- Deploy as part of the IBM Platform Computing cloud service with IBM Platform LSF® or IBM Platform Symphony®, for a complete, end-to-end hybrid cloud implementation.
- Quickly adapt an analytics infrastructure to support Hadoop and Hadoop-like workloads with full HDFS compatibility.
- Transparent user experience:
 - Minimize complexity with full POSIX compliance, operating without knowledge of the underlying technology.
 - Seamlessly transfer your files between local Elastic Storage environments and Elastic Storage on Cloud, for hybrid cloud use.
- Easy public cloud adoption:
 - Minimize your administrative burden by using a skilled cloud operations team with deep high performance computing (HPC) and Elastic Storage expertise to take care of your installation, integration, and file system administration.
- Faster time to results:
 - Ensure optimal I/O performance, whether bursting to cloud resources or running 100% in the cloud, with services provided on bare metal resources.
 - Achieve performance at scale with a highly-available shared file system.

Product positioning

Use Elastic Storage on Cloud as a hybrid cloud solution (burst or forward workloads from on-premise infrastructure into the cloud) if you are an existing IBM General Parallel File System, IBM Platform LSF, or IBM Platform Symphony client who already has a cluster, grid, or private cloud for technical computing, analytics, or big data workloads, and have a need for additional storage resources.

Elastic Storage on Cloud can deliver storage-on-demand (100% in the cloud) for Elastic Storage clients who have a need for additional storage capacity but do not have the budget or resource needed to implement and manage a file system.

Program number

Program number	VRM	Program name
5725-R94	4.1.0	IBM Elastic Storage on Cloud

Offering Information

Product information is available via the Offering Information website

<http://www.ibm.com/common/ssi>

Also, visit the Passport Advantage® website

<http://www.ibm.com/software/passportadvantage>

Publications

No publications are shipped with these programs.

Services

Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services or to contact a Software Services sales specialist, visit

<http://www.ibm.com/software/sw-services/>

Technical information

Specified operating environment

Software requirements

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a readme file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

Companion products

IBM Elastic Storage on Cloud is available as part of the IBM Platform Computing cloud service that delivers a versatile, application-ready cluster on an IBM SoftLayer cloud when you need to quickly and economically add computing capacity. This cloud service also includes market-leading IBM Platform LSF (SaaS) or IBM Platform Symphony (SaaS) workload management software delivered as a service, both of which can be sold with Elastic Storage on Cloud. You can benefit from using the IBM Platform Computing cloud services with the following:

- Improved time-to-results and faster time-to-market with access to ready-to-run clusters in the cloud to expand infrastructure resource just when you need it
- Reduced costs with pay-as-you-go access to the resources needed for fueling business growth
- Enhanced user productivity with workload management software that delivers the same user experience for cloud resources as it does for local resources

In the case of a hybrid cloud implementation, Elastic Storage on Cloud may be purchased in conjunction with on-premise GPFS™, Platform LSF, and Platform Symphony licenses to meet variable workload demands and benefit from large scale capacity or high-performance file system services.

Planning information

Packaging

This offering is a service. There is no physical media.

Security, auditability, and control

Elastic Storage on Cloud uses the security and auditability features of the system in which it is installed.

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

Ordering information

This product is only available via Passport Advantage. It is not available as shrinkwrap.

Product group: IBM Platform Computing
Product Identifier Description (PID)
Elastic Storage on Cloud 5725-R94

Product category: SaaS

Passport Advantage

5725-R94 - IBM Elastic Storage on Cloud

Part number	Program name/Description
D174ULL	IBM Elastic Storage on Cloud Shared Storage 100 Terabyte per Month
D174VLL	IBM Elastic Storage on Cloud Shared Storage Daily Fee for Partial Month
D174WLL	IBM Elastic Storage on Cloud Shared Storage 100 Terabyte Pay Per Use
D174XLL	IBM Elastic Storage on Cloud Shared Storage Access One-Time Set Up
D174YLL	IBM Elastic Storage on Cloud FPO Node with Quorum Instance per Month
D174ZLL	IBM Elastic Storage on Cloud FPO Node with Quorum Daily Fee for Partial Month
D1750LL	IBM Elastic Storage on Cloud FPO Node with Quorum Instance Pay Per Use
D1751LL	IBM Elastic Storage on Cloud FPO Node Instance per Month
D1752LL	IBM Elastic Storage on Cloud FPO Node Daily Fee for Partial Month
D1753LL	IBM Elastic Storage on Cloud FPO Node Instance Pay Per Use
D1754LL	IBM Elastic Storage on Cloud FPO Node with Quorum Hourly Pay Per Use Instance Pay Per Use
D1755LL	IBM Elastic Storage on Cloud FPO Node Hourly Pay Per Use Instance Pay Per Use

5725-Q05 - IBM Platform LSF (SaaS)

Part number	Program name/Description
D16RMLL	IBM Platform LSF Standard (SaaS) Virtual Machine Instance per Month
D16RNLL	IBM Platform LSF Standard (SaaS) Virtual Machine Daily Fee for Partial Month
D16SBLL	IBM Platform LSF Standard (SaaS) Virtual Machine Instance Pay Per Use
D16SCLL	IBM Platform LSF Standard (SaaS) Virtual Machine Hourly Pay Per Use Instance Pay Per Use
D16SDLL	IBM Platform LSF Standard (SaaS) Dedicated Bare Metal Instance per Month
D16SELL	IBM Platform LSF Standard (SaaS) Dedicated Bare Metal Daily Fee for Partial Month
D16SFLL	IBM Platform LSF Standard (SaaS) Dedicated Bare Metal Instance Pay Per Use
D16SGLL	IBM Platform LSF Standard (SaaS) Custom Configuration Instance per Month
D16SHLL	IBM Platform LSF Standard (SaaS) Custom Configuration Daily Fee for Partial Month
D16SILL	IBM Platform LSF Standard (SaaS) Custom Configuration Instance Pay Per Use
D16SLLL	IBM Platform LSF (SaaS) InfiniBand Connection per Month
D16SMLL	IBM Platform LSF (SaaS) InfiniBand Daily Fee for Partial Month
D16SNLL	IBM Platform LSF (SaaS) InfiniBand Connection Pay Per Use

D16SPLL IBM Platform LSF (SaaS) Direct MPLS Connection Setup Connection Set Up
 D16SQLL IBM Platform LSF (SaaS) Direct MPLS Connection Setup Connection
 On-Demand Setup
 D16SRLL IBM Platform LSF (SaaS) Direct MPLS Connection 1 Gbps Connection per
 Month
 D16SSLL IBM Platform LSF (SaaS) Direct MPLS Connection 1 Gbps Daily Fee for
 Partial Month
 D16STLL IBM Platform LSF (SaaS) Direct MPLS Connection 10 Gbps Connection per
 Month
 D16SULL IBM Platform LSF (SaaS) Direct MPLS Connection 10 Gbps Daily Fee for
 Partial Month
 D16SVLL IBM Platform Application Center (SaaS) Instance per Month
 D16SWLL IBM Platform Application Center (SaaS) Daily Fee for Partial Month
 D16SXLL IBM Platform Application Center (SaaS) Instance Pay Per Use
 D16SYLL IBM Platform Process Manager (SaaS) Instance per Month
 D16SZLL IBM Platform Process Manager (SaaS) Daily Fee for Partial Month
 D16T0LL IBM Platform Process Manager (SaaS) Instance Pay Per Use
 D16T1LL IBM Platform LSF Standard (SaaS) Dedicated Bare Metal Hourly Pay Per
 Use Instance Pay Per Use
 D16T2LL IBM Platform LSF Standard (SaaS) Custom Configuration Hourly Pay Per
 Use Instance Pay Per Use
 D16T3LL IBM Platform LSF (SaaS) InfiniBand Hourly Pay Per Use Connection Pay
 Per Use
 D16T4LL IBM Platform Application Center (SaaS) Hourly Pay Per Use Instance
 Pay Per Use
 D16T5LL IBM Platform Process Manager (SaaS) Hourly Pay Per Use Instance Pay
 Per Use
 5725Q06 - IBM Platform Symphony (SaaS)

Part
 number Program name/Description

D173VLL IBM Platform Symphony Standard (SaaS) Virtual Machine Instance per
 Month
 D173WLL IBM Platform Symphony Standard (SaaS) Virtual Machine Daily Fee for
 Partial Month
 D173XLL IBM Platform Symphony Standard (SaaS) Virtual Machine Instance Pay
 Per Use
 D173YLL IBM Platform Symphony Standard (SaaS) Virtual Machine Hourly Pay Per
 Use Instance Pay Per Use
 D173ZLL IBM Platform Symphony Advanced (SaaS) Virtual Machine Instance per
 Month
 D1740LL IBM Platform Symphony Advanced (SaaS) Virtual Machine Daily Fee for
 Partial Month
 D1741LL IBM Platform Symphony Advanced (SaaS) Virtual Machine Instance Pay
 Per Use
 D1742LL IBM Platform Symphony Advanced (SaaS) Virtual Machine Hourly Pay Per
 Use Instance Pay Per Use
 D1743LL IBM Platform Symphony Standard (SaaS) Dedicated Bare Metal Instance
 per Month
 D1744LL IBM Platform Symphony Standard (SaaS) Dedicated Bare Metal Daily Fee
 for Partial Month
 D1745LL IBM Platform Symphony Standard (SaaS) Dedicated Bare Metal Instance
 Pay Per Use
 D1746LL IBM Platform Symphony Advanced (SaaS) Dedicated Bare Metal Instance
 per Month
 D1747LL IBM Platform Symphony Advanced (SaaS) Dedicated Bare Metal Daily Fee
 for Partial Month
 D1748LL IBM Platform Symphony Advanced (SaaS) Dedicated Bare Metal Instance
 Pay Per Use
 D1749LL IBM Platform Symphony Standard (SaaS) Custom Configuration Instance
 per Month
 D174ALL IBM Platform Symphony Standard (SaaS) Custom Configuration Daily Fee
 for Partial Month
 D174BLL IBM Platform Symphony Standard (SaaS) Custom Configuration Instance
 Pay Per Use
 D174CLL IBM Platform Symphony Advanced (SaaS) Custom Configuration Instance
 per Month
 D174DLL IBM Platform Symphony Advanced (SaaS) Custom Configuration Daily Fee
 for Partial Month
 D174ELL IBM Platform Symphony Advanced (SaaS) Custom Configuration Instance
 Pay Per Use
 D174FLL IBM Platform Symphony (SaaS) InfiniBand Connection per Month
 D174GLL IBM Platform Symphony (SaaS) InfiniBand Daily Fee for Partial Month

D174HLL IBM Platform Symphony (SaaS) InfiniBand Connection Pay Per Use
 D174ILL IBM Platform Symphony (SaaS) Direct MPLS Connection Setup Connection Set Up
 D174JLL IBM Platform Symphony (SaaS) Direct MPLS Connection Setup Connection On-Demand Setup
 D174KLL IBM Platform Symphony (SaaS) Direct MPLS Connection 1 Gbps Connection per Month
 D174LLL IBM Platform Symphony (SaaS) Direct MPLS Connection 1 Gbps Daily Fee for Partial Month
 D174MLL IBM Platform Symphony (SaaS) Direct MPLS Connection 10 Gbps Connection per Month
 D174NLL IBM Platform Symphony (SaaS) Direct MPLS Connection 10 Gbps Daily Fee for Partial Month
 D174PLL IBM Platform Symph Standard (SaaS) Dedicated Bare Metal Hourly Pay Per Use Instance Pay Per Use
 D174QLL IBM Platform Symph Advanced (SaaS) Dedicated Bare Metal Hourly Pay Per Use Instance Pay Per Use
 D174RLL IBM Platform Symphony Standard (SaaS) Custom Configuration Hourly Pay Per Use Instance Pay Per Use
 D174SLL IBM Platform Symphony Advanced (SaaS) Custom Configuration Hourly Pay Per Use Instance Pay Per Use
 D174TLL IBM Platform Symphony (SaaS) InfiniBand Hourly Pay Per Use Connection Pay Per Use

Charge metric

Program name	Part number or PID number	Charge metric
IBM Elastic Storage on Cloud	5725-R94	Per Instance
IBM Elastic Storage on Cloud	5725-R94	Per Access
IBM Elastic Storage on Cloud	5725-R94	Per Terabyte (100 pack)

"Access" is for the Elastic Storage on Cloud one-time setup; "instance" is for Elastic Storage on Cloud file placement optimizer nodes.

License metric definitions

Terabyte

Terabyte is a unit of measure by which the IBM SaaS can be obtained. A Terabyte is 2 to the 40th power bytes. Sufficient entitlements must be obtained to cover the total number of Terabytes processed by the IBM SaaS during the measurement period specified in Customer's Proof of Entitlement (PoE) or Transaction Document.

Instance

Instance is a unit of measure by which the IBM SaaS can be obtained. An Instance is access to a specific configuration of the IBM SaaS. Sufficient entitlements must be obtained for each Instance of the IBM SaaS made available to access and use during the measurement period specified in Customer's Proof of Entitlement (PoE) or Transaction Document.

Access

Access is a unit of measure by which the IBM SaaS may be obtained. An Access is the rights to use the IBM SaaS. Customer must obtain a single Access entitlement in

order to use the IBM SaaS during the measurement period specified in Customer's Proof of Entitlement (PoE) or Transaction Document.

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<http://www.ibm.com/software/sla/sladb.nsf/sla/tou>

Limited warranty

If warranted, refer to the warranty as stated in the Terms of Use document or the Cloud Services Agreement for this offering.

Money-back guarantee

No

Volume orders (IVO)

No

Passport Advantage applies

Yes, and through the Passport Advantage website at

<http://www.ibm.com/software/passportadvantage>

Software Subscription and Support applies

No

IBM Operational Support Services - SoftwareXcel

No

System i® Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Not applicable

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Passport Advantage

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