New SSD and indicator features for IBM Flex System V7000 deliver increased capacity and manageability

Table of contents

| 1  | Overview   | 3  | Publications         |
| 2  | Key prerequisites | 3  | Technical information |
| 2  | Planned availability date | 5  | Terms and conditions  |
| 2  | Description       | 5  | Prices               |
| 3  | Product number    | 5  | Announcement countries|

At a glance

IBM Flex System™ V7000 Storage Node is a powerful block storage system designed to integrate into the IBM® PureFlex™ System and IBM Flex System infrastructure for extremely rapid storage deployment and breakthrough management simplicity. Flex System V7000:

- Is built on the industry-leading storage virtualization and efficiency capabilities of IBM Storwize® V7000
- Features sophisticated storage technologies, including thin provisioning, automated tiering, external storage virtualization, Real-time compression, clustering, replication, and a next-generation GUI
- Supports 8 Gb Fibre Channel (FC), 10 Gb Ethernet to support Fibre Channel over Ethernet (FCoE), and iSCSI host connectivity
- Supports any combination up to twenty-four 2.5-inch SAS drives, nearline drives, and SSDs per enclosure
- Is scalable to 240 drives per system and 960 drives per clustered system with the attachment of Flex System V7000 and Storwize V7000 expansion enclosures

Overview

IBM Flex System V7000 Storage Node is an integrated storage system for IBM PureFlex System and IBM Flex System, designed to deliver high performance, advanced function, high availability, and modular and scalable storage capacity. IBM PureFlex System and IBM Flex System integrate multiple server architectures, networking, storage, and system management capability into a single system that is easy to deploy and manage.

IBM PureFlex System and IBM Flex System have built-in virtualization support of servers, storage, and networking to speed provisioning and increase resiliency. In addition, they support multiple open industry standards, operating systems, networking and storage fabrics, virtualization, and system management protocols to easily fit within existing and future datacenter environments. IBM PureFlex System and Flex System are scalable and extendable with multi-generational upgrades to protect and maximize IT investments.

An 800 GB 2.5 inch SSD is now being offered for the Flex System V7000. This new SSD doubles the capacity of the largest SSD previously offered on the Flex System V7000.
Key prerequisites

**Flex System V7000 Storage Node requires:**

- Flex System V7000 Control Enclosure with optional Flex System V7000 or Storwize V7000 Expansion Enclosures.
- Flex System V7000 software version 6.4, or later, for operation. Use of the software is entitled through the acquisition of Flex System V7000 software licenses.
- Flex System Enterprise Chassis with all necessary components to support Flex System V7000 as a node, and a switch module supporting the connectivity option configured with the Flex System V7000.

Planned availability date

December 6, 2013

Description

The IBM Flex System V7000 Storage Node is a powerful block storage system designed to integrate into the IBM PureFlex System or IBM Flex System infrastructure for extremely rapid storage deployment and breakthrough management simplicity. By enabling virtualization, consolidation, and tiering in businesses of all sizes, it is designed to improve application availability and resource utilization. Flex System V7000 offers easy-to-use, efficient, and cost-effective management capabilities for both new and existing storage resources in the IT infrastructure. This storage system combines no-compromise design along with virtualization, efficiency, and performance capabilities.

IBM Flex System V7000 Storage Node is built on the industry-leading storage virtualization and efficiency capabilities of IBM Storwize V7000, including:

- IBM System Storage® Easy Tier® for automated SSD optimization
- IBM Real-time Compression™ for data footprint reduction with physical and logical integration into IBM PureFlex System or IBM Flex System

IBM Flex System V7000 helps simplify and speed deployment of IBM PureFlex System and IBM Flex System, providing superior integration of server and storage management to automate and streamline provisioning for greater responsiveness to business needs and lower overall cost. Speed time to value with:

- **Integration by design:** Automates deployment with integration into IBM PureFlex System or IBM Flex System infrastructure for deployment in minutes, not weeks.
- **Simplified experience:** Simplifies management with an integrated, intuitive user interface for ease of use and faster system accessibility to increase administrative efficiency and simplicity.
- **Built-in expertise:**
  - Virtualized storage: Virtualizes third-party storage for investment protection and nondisruptive migration of the current storage infrastructure.
  - Optimized performance and costs for mixed workloads: Optimizes SSD usage with Easy Tier for increased performance of up to 3 times more throughput with only 5% flash storage in the configuration as compared with an all-disk configuration.
Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at


Product number

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<tr>
<th>Description</th>
<th>Machine type</th>
<th>Model</th>
<th>Feature</th>
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<tr>
<td>800 GB 2.5 inch SSD</td>
<td>4939</td>
<td>A49,A29</td>
<td>AD47</td>
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Publications

No publications are shipped with the announced products.

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For details on education offerings related to specific products, visit


Select your country, and then select the product as the category.

Technical information

Planning information

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
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**Cable orders**
No cables required.

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This product uses the security and auditability features of host hardware.

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Now integrated into the base operating system of AIX® 5.3, AIX 6.1, and AIX 7.1, Electronic Service Agent is designed to automatically and electronically report system failures and utilization issues to IBM, which can result in faster problem resolution and increased availability. System configuration and inventory information collected by the Electronic Service Agent tool also can be viewed on the secure Electronic Support web portal, and used to improve problem determination and resolution by you and the IBM support team. To access the tool main menu, simply type “smitty esa_main”, and select "Configure Electronic Service Agent." In addition, ESA now includes a powerful Web user interface, giving the administrator easy access to status, tool settings, problem information, and filters. For more information and documentation on how to configure and use Electronic Service Agent, refer to

http://www.ibm.com/support/electronic

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**Benefits**

*Increased uptime:* The Electronic Service Agent tool is designed to enhance the Warranty or Maintenance Agreement by providing faster hardware error reporting and uploading system information to IBM Support. This can translate to less wasted time monitoring the "symptoms," diagnosing the error, and manually calling IBM Support to open a problem record. Its 24 x 7 monitoring and reporting mean no
more dependence on human intervention or off-hours customer personnel when errors are encountered in the middle of the night.

**Security:** The Electronic Service Agent tool is designed to be secure in monitoring, reporting, and storing the data at IBM. The Electronic Service Agent tool securely transmits either via the Internet (HTTPS or VPN) or modem, and can be configured to communicate securely through gateways to provide customers a single point of exit from their site. Communication is one way. Activating Electronic Service Agent does not enable IBM to call into a customer's system. System inventory information is stored in a secure database, which is protected behind IBM firewalls. It is viewable only by the customer and IBM. The customer's business applications or business data is never transmitted to IBM.

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http://www.ibm.com/support/electronic

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http://www.ibm.com/support/electronic

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- System (including the battery): Three years
- Optional features: Three years, unless specified otherwise

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**Prices**

For all local charges, contact your IBM representative.

**Announcement countries**

All European, Middle Eastern, and African countries.
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