General Parallel File System 4-Year and 5-Year offerings with software subscription and support (SW S&S) and stand-alone Storwize V5000 and V7000 External Virtualization "Base" offerings with 3 years SW S&S are now available for ordering from Lenovo

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At a glance

The following IBM® products are available for ordering from Lenovo® with four years of subscription and support:

- IBM General Parallel File System (GPFS™)
- IBM GPFS Express® Edition, V4
- IBM GPFS Standard Edition, V4
- IBM GPFS Advanced Edition, V4
- IBM GPFS Native RAID, V4
- IBM GPFS Single Server for Integrated Offerings V4; this offering is also available with an option for five years of subscription and support

The following Storwize® V7000 and V5000 offerings are available for ordering as stand-alone offerings:

- IBM Storwize Family Software for Storwize V7000 External Virtualization V7, Base w/3 Year SW S&S
- IBM Storwize Family Software for Storwize V5000 External Virtualization V7, Base w/3 Year SW S&S

Overview

The following GPFS products are now available for ordering by Lenovo clients:

- IBM GPFS for x86, V3 and V4 w/4 Years SW S&S
- IBM GPFS for x86 Single Server for Integrated Offerings, V4 w/4 or w/5 Years SW S&S
- IBM GPFS Native RAID for GPFS Storage Server, V4 w/4 Years SW S&S

The GPFS Single Server for Integrated Offerings used in SAP HANA solutions can be ordered as an option with 4 or 5 years of software subscription and support.

The following Storwize V5000 and Storwize V7000 products are now available for stand-alone ordering by Lenovo clients:
Lenovo Europe, Middle East, and Africa Software

Announcement ZP15-0226

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- IBM Storwize Family Software for Storwize V7000 External Virtualization V7, Base w/3 Year SW S&S
- IBM Storwize Family Software for Storwize V5000 External Virtualization V7, Base w/3 Year SW S&S

Licenses for offerings in this announcement include Software Subscription and Support (S&S). Software Subscription and Support entitlements are managed in Passport Advantage® Express. Refer to the Order handling section of this announcement for further details.

If a new release or version of an offering is made generally available in Passport Advantage Express after the announcement of the offering in the Lenovo ordering systems, clients with valid Software and Subscription contracts may elect to take electronic delivery of the latest release or version.

Ordering by type-model, feature number, and Single Entity Offering (SEO) part number may not be available in every country. For the Hardware Announcement that includes details about part number ordering, refer to the Reference information section.

Key prerequisites

GPFS offerings require a computing environment of one or more x86 servers.

Refer to the Hardware requirements and Software requirements sections.

Planned availability date

May 1, 2015

Description

Accessibility by people with disabilities

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


Reference information

Refer to Hardware Announcement ZG15-0102, dated April 21, 2015.

Program number

<table>
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<th>Program number</th>
<th>VRM</th>
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<td>IBM GPFS for x86 w/4 Yr SW S&amp;S</td>
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<td>5641-GIE</td>
<td>4.1.0</td>
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<td>5641-GRE</td>
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Product identification number

Program PID number

5641-G3D
5641-G4D
5641-GID
5641-GIE
5641-GRE
5641-EB
5641-ETC

Offering Information

Product information is available via the Offering Information website


Publications

No publications are shipped with these programs.

IBM Knowledge Center

IBM Knowledge Center is a worldwide central repository of IBM technical publications hosted in a single application, located at

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

You can find and navigate technical content more efficiently and easily with improved search, filtering, and user experience. Create your own collections of IBM documents with PDF output on-demand.

Services

Technology Services

Contact your Lenovo representative for the list of selected services available in your country, either as standard or customized offerings for the efficient installation, implementation, or integration of these products.

Technical information

Specified operating environment

Hardware requirements

Hardware requirements are unchanged by this announcement. Refer to previous Lenovo announcements for details.

Software requirements

Software requirements are unchanged by this announcement. Refer to previous Lenovo announcements for details.
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 Lenovo, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

Limitations
For additional information, refer to Usage restriction in the Terms and conditions section of this announcement, or to the license information document that is available on the IBM Software License Agreement website


Licenses for GPFS Native RAID for GPFS Storage Server cannot be ordered independent of the selected hardware on which it is preinstalled.

Planning information

Installability
Refer to the Software requirements section.

Packaging
For the software products in this announcement, physical media and hardcopy documentation are not included in the deliverable package.

After receipt of an order, the Business Partner or user client will be required to register and accept Passport Advantage Express terms and conditions. These products include the license and three, four, or five years of Software Subscription and Support.

Your Proof of Entitlement is a copy of a paid sales receipt, purchase order, invoice, or other sales record from Lenovo or its authorized reseller from whom you acquired the program, provided that it states the license charge unit (the characteristics of intended use of the program; for example, number of sockets) and quantity acquired. This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Direct customer support

Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage Express. Product upgrades and technical support are provided by the Software Subscription and Support (Software Maintenance) offering as described in the Agreements. Product upgrades provide the latest versions and releases to entitled software, and technical support provides voice and electronic access to Lenovo support organizations, worldwide.

Lenovo includes three, four, or five years of Software Subscription and Support (also referred to as Software Maintenance) with each program license acquired. The initial period of Software Subscription and Support (Software Maintenance) can be extended by the purchase of a renewal option, if available.

Security, auditability, and control

The offerings in this announcement use the security and auditability features of the system in which they are 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

Consult your Lenovo representative.

Order handling

Licenses for these offerings include three, four, or five years off of Software Subscription and Support. Software Subscription and Support renewals for all features are aligned through Passport Advantage Express, reducing the administrative burden of keeping your Subscription and Support up to date.

If a new release or version of a given offering in this announcement is made generally available in Passport Advantage online after the announcement of the offering in the original ordering systems, you may elect to take delivery of any release or version generally available for that offering during the product registration process.

Software and Subscription Entitlements for orders placed for the eligible offerings in this announcement will be routed and managed through Passport Advantage Express. Invoicing for the initial license orders will occur through the order management system in which the initial order was placed. Subscription and Support renewals will be managed through Passport Advantage.

Passport Advantage allows you to have a common anniversary date for Software Subscription and Support renewals. The anniversary date, established at the order ship date for the initial product acquisition, will remain unchanged while your Passport Advantage Agreement remains in effect. New software purchases initially on include 36, 48, or 60 months of Subscription and Support coverage. Subscription and Support in the second year (the first year of renewal) can be prorated to be coterminal with your common anniversary date but managed and invoiced through Passport Advantage. Thereafter, all Software Subscription and Support will renew at the common anniversary date and include 12 full months of Subscription and Support.

New license

Orders for new licenses will be accepted now.

Basic license

To order the programs described in this announcement, specify the type model number, order type description, supply feature, and quantity of desired licenses for the appropriate one-time charge (OTC) features listed in the tables below. After receipt of your order, you will be requested to register through Passport Advantage Express to allow for entitlement for support and notification of upgrades. Upon registration completion you will be provided with a website for the electronic download. The one-time charge for the product includes the license and Software Subscription and Support (S&S).

To order single entity offering (SEO) numbers, specify the SEO number and quantity of desired licenses for the appropriate one time charge (OTC) listed in the table below. The SEO numbers in the table below are equivalent to the type model number, description, and OTC billing feature numbers as designated in the table. After receipt of your order, you will be requested to register through Passport Advantage Express to allow for entitlement for support and notification of upgrades. Upon registration completion, you will be provided with a website for the electronic download. The one-time charge for the product includes the license and three, four, or five years of Software Subscription and Support.
### Type Model Program Number: 5641-G3D

<table>
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<tr>
<th>Feature description</th>
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### Type Model Program Number: 5641-G4D

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<td>X1HM96</td>
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</tbody>
</table>
The license offerings below are preinstalled on eligible hardware. The x86 and Cluster Solution Configurator (XCONFIG) tool must be used for creation of valid software and hardware orders for these offerings.
When orders are placed for eligible hardware that includes IBM GPFS Native RAID for GSS V4.x, the following internal orders will be generated containing the type model number, one-time charge (OTC) feature, and serialization feature as indicated in the table below.

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<tr>
<th>Feature description</th>
<th>OTC</th>
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**Charge metric**

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<th>PID number</th>
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<tr>
<td>IBM GPFS for x86 v3.x w/4 Yr S&amp;S</td>
<td>5641-G3D</td>
<td>Per 10 PVU</td>
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<td>IBM GPFS for x86 Single Server for Integrated Offerings v4.x w/4 Yr SW S&amp;S</td>
<td>5641-GID</td>
<td>Per Socket</td>
</tr>
<tr>
<td>IBM GPFS for x86 Single Server for Integrated Offerings v4.x w/5 Yr SW S&amp;S</td>
<td>5641-GIE</td>
<td>Per Socket</td>
</tr>
<tr>
<td>IBM GPFS Native RAID for GPFS Storage Server V4.x w/4 Yr SW S&amp;S</td>
<td>5641-GRE</td>
<td>Per Managed Server</td>
</tr>
<tr>
<td>IBM Storwize Family SW for Storwize V7000 External Virt V7 w/3 Yr S&amp;S</td>
<td>5641-ETC</td>
<td>Per Storage Device</td>
</tr>
<tr>
<td>IBM Storwize Family SW for Storwize V5000 External Virt V7 w/3 Yr S&amp;S</td>
<td>5641-ETC</td>
<td>Per Storage Device</td>
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</table>

**License metric definitions**

**Processor Value Unit (PVU)**

PVU is a unit of measure by which the program can be licensed. The number of PVU entitlements required is based on the processor technology (defined within the PVU table by processor value, brand, type, and mode number at the website below) and the number of processors made available to the program. IBM continues to define a processor, for the purpose of PVU-based licensing, to be each processor core on a chip. A dual-core processor chip, for example, has two processor cores. The PVU table can be found at


Licensee can deploy the program using either full capacity licensing or virtualization capacity (sub-capacity) licensing according to the Passport Advantage Sub-Capacity Licensing Terms (refer to the web page below). If using full capacity licensing, licensee must obtain PVU entitlements sufficient to cover all activated processor cores in the physical hardware environment made available to or managed by the program, except for those servers from which the program has been permanently removed. If using virtualization capacity licensing, licensee must obtain entitlements sufficient to cover all activated processor cores made available to or managed by the program, as defined according to the Virtualization Capacity License Counting Rules at


An activated processor core is a processor core that is available for use in a physical or virtual server, regardless of whether the capacity of the processor core can be or is limited.
through virtualization technologies, operating system commands, BIOS settings, or similar restrictions.

Note: Some programs may require licenses for the program and what is being managed. In that case, the following applies. In addition to the entitlements required for the program directly, licensee must obtain PVU entitlements for this program sufficient to cover the processor cores managed by the program.

Socket

Socket is a unit of measure by which the program can be licensed. A socket is electronic circuitry that accepts a processor chip. A server is a physical computer that is comprised of processing units, memory, and input/output capabilities that executes requested procedures, commands, or applications for one or more users or client devices. Where racks, blade enclosures, or other similar equipment is being employed, each separable physical device (for example, a blade or a rack-mounted device) that has the required components is considered itself a separate server. A virtual server is either a virtual computer created by partitioning the resources available to a physical server or the unpartitioned physical server. Licensee must obtain entitlements for each socket on the virtual servers made available to the program.

Managed server

Managed server is a unit of measure by which the program can be licensed. A server is a physical computer that is comprised of processing units, memory, and input/output capabilities and that executes requested procedures, commands, or applications for one or more users or client devices. Where racks, blade enclosures, or other similar equipment is being employed, each separable physical device (for example, a blade or a rack-mounted device) that has the required components is considered itself a separate server. Licensee must obtain managed server entitlements for each IBM server managed by the program.

Storage device

Storage device is a unit of measure by which the Program can be licensed. A storage device is an independently powered, channel-attached device that stores or controls the storage of data on magnetic disks or solid state drives, such as disk controllers and their respective expansion units, each constituting separate storage devices. Licensee must obtain entitlements for every storage device which runs, uses services provided by, or otherwise accesses the program and for every storage device on which the program is installed.

Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with Lenovo are contained in the applicable contract documents such as the IBM International Program License Agreement and IBM International Passport Advantage Agreement.

Lenovo Financial Services

We are dedicated to delivering a positive finance experience for customers like you who want to maximize your purchase power by obtaining the technology you need today, protect against technology obsolescence, and preserve your capital for other uses.

We work with businesses, nonprofit organizations, governments, and educational institutions to finance their entire technology solution (for example, hardware, software and services) from Lenovo and other leading manufacturers and resellers. We focus on making it easy to do business with us and providing customers with a positive experience. For more information contact your Lenovo sales representative or visit us at
Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use.

This software license includes Software Subscription and Support (also referred to as Software Maintenance).

Agreement for Acquisition of Software Maintenance

These programs are licensed under the IBM Program License Agreement (IPLA). Lenovo includes three, four, or five years of Software Subscription and support (also referred to as Software Maintenance) with the initial license acquisition of each program acquired.

License Information number

<table>
<thead>
<tr>
<th>License number</th>
<th>Program name</th>
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<tbody>
<tr>
<td>L-LMUY-8YAP3Y</td>
<td>GPFS V3.5</td>
</tr>
<tr>
<td>L-LMUY-9GUSVF</td>
<td>GPFS V4.1 Express Edition</td>
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<td>L-LMUY-9GUSQP</td>
<td>GPFS V4.1 Standard Edition</td>
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<td>L-LMUY-9CZFH5</td>
<td>GPFS V4.1 Advanced Edition</td>
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<td>License information for IBM Storwize V7000 V7.4</td>
</tr>
<tr>
<td>GI13-2841</td>
<td>License information for IBM Storwize V5000 V7.4</td>
</tr>
</tbody>
</table>

On or near the planned availability date, the current License Information documents will be available for review on the IBM Software License Agreement website http://www.ibm.com/software/sla/sladb.nsf

Limited warranty applies

Yes

Limited warranty

Lenovo warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. Lenovo does not warrant uninterrupted or error-free operation of the program or that Lenovo will correct all program defects. You are responsible for the results obtained from the use of the program.

Lenovo provides you with access to IBM databases containing information about known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the IBM Software Support Handbook found at http://www.ibm.com/support/handbook

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

Program technical support

Technical support of a program product version or release will be available for a minimum of three or five years from the general availability date, as long as your
Software Subscription and Support (also referred to as Software Maintenance) is in effect. This technical support allows you to obtain assistance (via telephone or electronic means) from Lenovo for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support (Software Maintenance) also provides you with access to updates (modifications or fixes), releases, and versions of the program. You will be notified, via announcement letter, of discontinuance of support with 12 months’ notice. If you require additional technical support from Lenovo, including an extension of support beyond the discontinuance date, contact your Lenovo representative or Lenovo Business Partner. This extension may be available for a fee.

**Money-back guarantee**

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

**Other terms**

**Volume orders (IVO)**

No

**IBM International Passport Advantage Agreement**

**Passport Advantage applies**

Yes, and through the Passport Advantage website at

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

**Usage restriction**

Yes

**Software Subscription and Support applies**

Yes. The offerings in this announcement include three, four, or five years of Software Subscription and Support (Software Maintenance) in the price of the license.

While your Software Subscription and Support is in effect, Lenovo provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. Lenovo provides assistance via telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your Lenovo support center. (This assistance is not available to your end users.) Lenovo provides Severity 1 assistance 24 hours a day, every day of the year. For additional details, consult your IBM Software Support Handbook at

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

Software Subscription and Support does not include assistance for the design and development of applications, your use of programs in other than their specified operating environment, or failures caused by products for which Lenovo is not responsible under this agreement.

**System i® Software Maintenance applies**

No
Variable charges apply

No

Educational allowance available

Yes. When ordering through the program number process, a 15% education allowance applies to qualified education institution customers.

Education Software Allowance Program applies when ordering through the program number process.

ESAP available

No

Prices

For all local charges, contact your Lenovo representative.

Announcement countries

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