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

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:
• 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.

**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

Availability of programs with an encryption algorithm in France is subject to French government approval.

**Reference information**

Refer to Software Announcement ZP15-0226, dated April 21, 2015.

**Product number**

**Software options**

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<tr>
<th>Part number</th>
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<tr>
<td>00KH137</td>
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<tr>
<td>00KH141</td>
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<td></td>
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<td>IBM GPFS for x86 V3.x FPO per 250, 10 PVU</td>
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</table>
Psuedo options

Note: The following pseudo part number cannot be ordered as a stand-alone part; it can only be ordered with the configurator.

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<th>Description</th>
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<td>IBM GPFS Native RAID for GSS V4.x, Per Managed Server w/4 Yr SW S&amp;S</td>
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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

http://www.ibm.com/software/lotus/passportadvantage/
Counting_Software_licenses_using_specific_virtualization_technologies.html

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.

**Order handling**

Licenses for these offerings include three, four, or five years 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 Express 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 Express.

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 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 coterminous 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.

**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.

You can also contact your Lenovo representative.

**Technology Services**

The list of selected services available in your region, either as standard or customized offerings, for the efficient installation, implementation, and integration of these products can be obtained from your respective Technology Services Regional Lenovo Services Executive.

**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.

**Limitations**

For additional information, refer to Usage restrictions 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**

**Customer responsibilities**

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

**Cable orders**

Not applicable.

**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 one, three, 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.

**Security, auditability, and control**

Use of supplementary antivirus software is recommended, but not required.

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

**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, and/or integration of this product.

**Terms and conditions**

**Lenovo Direct terms and conditions**

These products are available under the terms and conditions of the IBM International Program License Agreement (IPLA). Registration is required in Passport Advantage Express in order to acquire the product and register for subscription and support entitlement. Proofs of Entitlement (PoE) are required for all authorized use.

| Field Installable Features | Yes |
| Customer Setup             | Yes |
| Model Conversions          | No  |
Lenovo warrants that the program will conform at the date of shipment to the current specifications, provided that the program is properly used in the specified operating environment.

If you believe there is a defect in a program such that it does not meet its specifications, you must notify Lenovo while program services are available for the program.

**Note:** IBM programs are licensed under the terms and conditions of the IBM International Program License Agreement. Proofs of Entitlement (PoE) are required for all authorized use.

Features and Options only

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<th>Feature</th>
<th>Status</th>
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<tr>
<td>Field Installable</td>
<td>Yes</td>
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<tr>
<td>Customer Setup</td>
<td>Yes</td>
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<tr>
<td>Support Period</td>
<td>Program Services will be available for a minimum of three years. A formal withdrawal will be issued one year prior to end of Program Services.</td>
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**Note:** Program Services minimum lengths are based on the length of Software Subscription and Support available for ordering at the time of the first announcement for a given offering.

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<tr>
<td>Optional Upgrade</td>
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<tr>
<td>Licensed Programs</td>
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**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). 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 form number**

L-LMUY-8YAP3Y GPFS V3.5  
L-LMUY-9GUSVF GPFS V4.1 Express Edition  
L-LMUY-9GUSQP GPFS V4.1 Standard Edition  
L-LMUY-9CZFHS GPFS V4.1 Advanced Edition  
L-LMUY-9EYHAP GPFS V3.5 x86 Single Server  
L-LMUY-9GERUN GPFS V4.1 x86 Single Server  
L-LMUY-9GRL4P GPFS V4.1 Native RAID  
GI13-2841 License Information for IBM Storwize V7000 V7.4  
GI13-2841 License Information for IBM Storwize V5000 V7.4

On or near the planned availability date, the current License Information documents will be available for review on the IBM Software License Agreement website

Development/Demo discount

Up to 100%, contact your local Lenovo Business Partner Office for details on participation (local limitations, if any, prevail).

Usage restrictions

None

Field-installable features

Yes

Model conversions

No

Machine installation

Customer setup. Customers are responsible for installation according to the instructions Lenovo provides with the machine.

Licensed Internal Code and Licensed Machine Code

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

Machine Code License Acceptance Requirement

Acceptance-By-Use Machine: Yes, acceptance of the Machine Code license terms is conveyed through the user's initial use of the machine.

Prices

For all local charges, contact your Lenovo representative.

Announcement countries

All European, Middle Eastern, and African countries except Iran, Sudan, and Syria.

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