IBM High Performance Services for HPC V9.1 adds new part numbers for the IBM Spectrum LSF Suite

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Overview

IBM® High Performance Services for HPC enables speedy deployment of technical computing and analytics workloads in the cloud regardless of the cloud being used as a foundation. Organizations using the service can easily meet additional resource demands without the cost of purchasing or managing in-house infrastructure, minimizing their administrative burden and quickly addressing evolving business needs.

To burst workloads from local infrastructure out to the cloud, organizations can add capacity on demand with application-ready clusters provisioned on the cloud and connected to an on-premises cluster. If you are experiencing new or emerging resource demands, a stand-alone cluster running on the cloud provides flexible amounts of compute and storage resources as needed, accessible on a temporary basis and with reduced wait times.

IBM High Performance Services for HPC provides:

- Design of a modular environment to suit client needs from a performance and cost point of view
- Full turn-key deployment of that custom-designed environment using IBM automation tools that interface with several clouds
- A single source for end-to-end cluster support, with access to high-performance computing experts to eliminate the skills barrier for using clustered resources
- Control of data center locality, enabling organizations to choose the location where their workloads run in order to meet data regulations

These added options are consumption-oriented and sophistication-oriented bundles that provide a level of function, with corresponding pricing, which allow organizations at different points in their HPC maturity journey to pay according to the value they derive from their middleware.

The levels provided are for:

- New clients with small numbers of jobs (<1000 active) and servers (<10) in a support-only type of charge model and standard default scheduling features
- Workgroup-level clients with medium numbers of jobs (<25k), any number of servers, and moderate flexibility in scheduling or monitoring features
- Advanced-level clients who have large environments (<100k jobs), any number of servers, and full scheduling flexibility with monitoring

Planned availability date

September 20, 2016
Program number

<table>
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<tr>
<th>Program number</th>
<th>VRM</th>
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<tr>
<td>5725-Q05</td>
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Services

Global Technology Services

Contact your IBM 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 this product.

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.

IBM Cloud and Smarter Infrastructure SaaS Support Portal

The IBM Cloud and Smarter Infrastructure SaaS Support Portal is your gateway to technical support. This includes access to forums, wikis, blogs, and resources for running and managing software in the SaaS offering. To help save time and simplify support, the SaaS Support Portal can help you find answers to questions, troubleshoot, automate data collection, submit and track problems through the Service Request and Chat tools. All these tools are made available through your IBM support agreement, at no additional charge. Read about the IBM Cloud and Smarter Infrastructure SaaS Support portfolio on the IBM Service Engage website.

Planning information

Packaging

These offerings are delivered through the internet. There is no physical media.

Security, auditability, and control

IBM High Performance Services use the security and auditability features of the hardware on 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

For ordering information, consult your IBM representative or go to the Passport Advantage® website.

This product is only available through Passport Advantage. It is not available as shrinkwrap.
**Product Group:** IBM Spectrum™ Computing  
**Product:** IBM High Performance Services for HPC (5725-Q05)  
**Product Category:** SaaS

### Passport Advantage

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### 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. The client 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.

### Connection

Connection is a unit of measure by which the IBM SaaS can be obtained. A connection is a link or association of a database, application, server, or any other type of device to the IBM SaaS. Sufficient entitlements must be obtained to cover the total number of connections that have been or are made to the IBM SaaS during the measurement period specified in the Customer’s Proof of Entitlement (PoE) or Transaction Document.

### Terms and conditions

The terms and conditions for High Performance Services for HPC, as previously announced in Software Announcement ZP15-0407, dated September 22, 2015 are unchanged.

### Statement of good security practices

IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

**Important:** IBM does not warrant that any systems, products, or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.
Electronic Service AgentTM and the IBM Electronic Support web portal are dedicated to providing fast, exceptional support to organizations that have IBM Systems. The IBM Electronic Service Agent tool is a no-additional-charge tool that proactively monitors and reports hardware events, such as system errors, performance issues, and inventory. The Electronic Service Agent tool can help you stay focused on your company’s strategic business initiatives, save time, and spend less effort managing day-to-day IT maintenance issues. Servers enabled with this tool can be monitored remotely around the clock by IBM Support, all at no additional cost to you.

Now integrated into the base operating system of AIX® V5.3, AIX V6.1, and AIX V7.1, 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, go to the IBM Support Portal website.

The IBM Electronic Support portal is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. This portal enables you to gain easier access to IBM resources for assistance in resolving technical problems. The My Systems and Premium Search functions make it even easier for organizations that are Electronic Service Agent tool-enabled to track system inventory and find pertinent fixes.

**Benefits**

**Increased uptime:** The Electronic Service AgentTM 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 human intervention is not required to report errors.

**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 is designed to securely transmit either through the Internet (HTTPS or VPN) or modem to provide organizations a single point of exit from their site. Communication is one way. Activating Electronic Service Agent does not enable IBM to call into an organization’s system.

For additional information, go to the IBM Electronic Service Agent website.

**More accurate reporting:** Because system information and error logs are automatically uploaded to the IBM Support Center in conjunction with the service request, you are not required to find and send system information, decreasing the risk of misreported or misdiagnosed errors. Once inside IBM, problem error data is run through a data knowledge management system and knowledge articles are appended to the problem record.

**Customized support:** Using the IBM ID entered during activation, you can view system and support information in the My Systems and Premium Search sections of the Support Portal page.

My Systems provides valuable reports of installed hardware and software using information collected from the systems by Electronic Service Agent. Reports are available for any system associated with your IBM ID. Premium Search combines the
function of search and the value of Electronic Service Agent information, providing advanced search of the technical support knowledgebase. Using Premium Search and the Electronic Service Agent information that has been collected from your system, you are able to see search results that apply specifically to your systems.

For more information on how to utilize the power of IBM Electronic Services, contact your IBM Systems Services Representative, or go to the Support Portal website.

### Prices

For all local charges, contact your IBM representative.

**Passport Advantage**

For Passport Advantage information and charges, contact your IBM representative. Additional information is also available on the Passport Advantage and Passport Advantage Express website.

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### Announcement countries

All European, Middle Eastern, and African countries except Islamic Republic of Iran, Sudan, and Syrian Arab Republic.

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