



Red Hat Enterprise Linux 6 High Performance Computing for IBM POWER features available for Blue Gene/Q and POWER 775

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At a glance

Red Hat Enterprise Linux™ 6 High Performance Computing for IBM® POWER® features available for Blue Gene/Q™ and POWER 775 servers offer:

- Exploitation of the latest hardware innovation
- A broad range of the latest open source software components
- Increased flexibility and greater scalability
- A cost-effective scale-out platform with mission-critical qualities of service

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: RE001).

Overview

IBM and Red Hat are collaborating to provide you with a new multi-year pricing structure for Red Hat Enterprise Linux (RHEL) for IBM POWER7® IH (9125-F2C) and IBM BlueGene/Q (0207-200) servers. The BlueGene/Q system is the third generation of massively parallel supercomputers in the IBM System Blue Gene® Solution series. This server offers scalable HPC power optimized for running highly parallel computation. The IBM POWER7 IH, a supercomputer, offers a massive scale-out high performance computing server that has been optimized for running large, parallel science workloads and algorithms.

RHEL is a Linux-based operating system designed for enterprise environments. RHEL exploits the latest IBM POWER7 and virtualization technologies to help maximize system resources and provides exceptional qualities of service. RHEL includes a broad range of popular open source software components that are easy to install and run on IBM POWER7 servers.

Planned availability date

December 14, 2012

Description

Program delivery

When you place an order for RHEL 6 High Performance Computing for Blue Gene/Q or for IBM Power Systems™ through IBM , IBM will send you an entitlement card with a registration code from Red Hat. You will use this code to successfully download and configure the software from Red Hat.

Support

Support for RHEL 6 High Performance Computing for Blue Gene/Q and for IBM Power Systems is available only through IBM . Red Hat makes subscriptions for RHEL 6 High Performance Computing for Blue Gene/Q and for IBM Power Systems available to IBM customers only with an associated support agreement. Therefore, when you purchase or renew your RHEL subscription, you must purchase support from IBM .

IBM support may be purchased in the following ways: Clients can order IBM support for one year and three years by selecting the IBM Operational Support Services - Support Line for Linux on Power Systems servers (5771-LNX or 5773-LNX). To order support for terms other than one and three years, contact your IBM Technical Support Services sales representative.

Clients can order IBM support for one year by selecting the IBM Operational Support Services - Support Line for Linux on Power Systems servers (5771-LNX). To order support for terms other than one year, contact your IBM Technical Support Services sales representative.

Section 508 of the US Rehabilitation Act

IBM makes no representation about the Section 508 status of the third-party electronic and information technology product in this offering. Contact the vendor for specific, current information on the Section 508 status of this product.

Program number

Program number	VRM	Program name
5639-RHP	1.1.0	Red Hat Enterprise Linux 6 High Performance Computing for Blue Gene/Q and POWER 775

Product identification number

Program PID number	Maintenance 1-year PID number	Maintenance 3-year PID number
5639-RHP	N/A	N/A

Offering Information

Product information is available via the Offering Information website

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

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM , you may link directly to Business Partner information for this announcement. A PartnerWorld® ID and password are required (use IBM ID).

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=212-478>

Publications

No publications are shipped with this program.

Technical information

Specified operating environment

Hardware requirements

- The Per Rack and Per Half Rack features can only be ordered with an IBM Blue Gene/Q (0207-200) supercomputer.
- The Per QCM feature can only be ordered with an IBM Power® 775 (9125-F2C) server.

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.

Planning information

Packaging

When you order RHEL from IBM , you get an entitlement card with a registration code. You will use this code to download and configure RHEL.

Note: The entitlement card must not be discarded or destroyed as it is required to register the product with Red Hat, Inc.

Your Proof of Entitlement (PoE) for this program is a copy of a paid sales receipt, purchase order, invoice, or other sales record from IBM 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, number of processors, number of users) and quantity acquired.

Information about how you may obtain program services will be provided by the party (either IBM or its authorized reseller) from whom you acquired the program.

Security, auditability, and control

Red Hat Enterprise Linux 6 High Performance Computing for Blue Gene/Q and POWER 775 uses the security and auditability features of the operating system. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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/>

Ordering information

Charge metric

Program name	PID number	Charge metric
Red Hat Enterprise Linux 6 for IBM POWER	5639-RHP	Per Rack
Red Hat Enterprise Linux 6 for IBM POWER	5639-RHP	Per 1/2 Rack
Red Hat Enterprise Linux 6 for IBM POWER	5639-RHP	Per QCM

Rack: A Rack is comprised of up to 32 node card assemblies, and installed in a cabinet with supporting equipment. You must have an entitlement for each rack integrated into your system regardless of the number of processor cores installed, and regardless of the number of processor cores or partitions on which the program runs.

Half Rack: A Half Rack is comprised of up to 16 node card assemblies, and installed in a cabinet with supporting equipment. You must have an entitlement for each half rack integrated into your system regardless of the number of processor cores installed, and regardless of the number of processor cores or partitions on which the program runs.

QCM: QCM is a POWER7 quad chip module. Each QCM contains four POWER7 multi-core processor chips in one module.

Ordering information

A product entitlement card with a registration code printed on it will be shipped with every order. Clients will be required to register the Red Hat Linux offering purchased at the website below with the registration code provided on the card. Once registered, clients will be able to download the required code electronically as well as obtain the latest upgrades available for the product purchased.

<http://www.redhat.com>

The following abbreviations are used in the following tables:

W = With
Svr = Server
Sub = Subscription
RH Spt = Red Hat Support
ST = Standard
PR = Premium

Skts = Sockets
Ren = Renewal

Feature description	OTC feature number
1-Year Offerings	
Per Rack HPC for Blue Gene/Q w 1yr ST Sub	0483
Per 1/2 Rack HPC for Blue Gene/Q w 1yr ST Sub	0486
Per QCM HPC for Power Systems w 1yr ST Sub	0489
** Note: All 1-Year Offerings were previously announced and are shown here just for completeness.	
2-Year Offerings	
Per Rack HPC for Blue Gene/Q w 2yr ST Sub	0623
Per 1/2 Rack HPC for Blue Gene/Q w 2yr ST Sub	0615
Per QCM HPC for Power Systems w 2yr ST Sub	0619
3-Year Offerings	
Per Rack HPC for Blue Gene/Q w 3yr ST Sub	0622
Per 1/2 Rack HPC for Blue Gene/Q w 3yr ST Sub	0614
Per QCM HPC for Power Systems w 3yr ST Sub	0618
4-Year Offerings	
Per Rack HPC for Blue Gene/Q w 4yr ST Sub	0624
Per 1/2 Rack HPC for Blue Gene/Q w 4yr ST Sub	0616
Per QCM HPC for Power Systems w 4yr ST Sub	0620
5-Year Offerings	
Per Rack HPC for Blue Gene/Q w 5yr ST Sub	0625
Per 1/2 Rack HPC for Blue Gene/Q w 5yr ST Sub	0617
Per QCM HPC for Power Systems w 5yr ST Sub	0621

5692-LOP System Program Order (SPO) for Linux on POWER

Description	5692-LOP Supply feature number
Per Rack HPC for Blue Gene/Q w 1yr ST Sub	2379
Per 1/2 Rack HPC for Blue Gene/Q w 1 yr ST Sub	2380
Per QCM HPC for Power Systems w 1yr ST Sub	2381
** Note: All 1-Year Offerings were previously announced and are shown here just for completeness.	
Per Rack HPC for Blue Gene/Q w 2yr ST Sub	2456
Per 1/2 Rack HPC for Blue Gene/Q w 2yr ST Sub	2460
Per QCM HPC for Power Systems w 2yr ST Sub	2464
Per Rack HPC for Blue Gene/Q w 3yr ST Sub	2457
Per 1/2 Rack HPC for Blue Gene/Q w 3yr ST Sub	2461
Per QCM HPC for Power Systems w 3yr ST Sub	2465
Per Rack HPC for Blue Gene/Q w 4yr ST Sub	2458
Per 1/2 Rack HPC for Blue Gene/Q w 4yr ST Sub	2462
Per QCM HPC for Power Systems w 4yr ST Sub	2466
Per Rack HPC for Blue Gene/Q w 5yr ST Sub	2459
Per 1/2 Rack HPC for Blue Gene/Q w 5yr ST Sub	2463
Per QCM HPC for Power Systems w 5yr ST Sub	2467

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 IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage® Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

Licensing

Supplier's license terms apply.

Limited warranty

Not warranted by IBM . Warranty, if any, provided by supplier.

Volume orders

Not applicable

Educational allowance

Yes. 15% to qualified educational institutions.

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 comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective. IBM does not warrant that systems and products are immune from the malicious or illegal conduct of any party.

Prices

For additional information and current prices, contact your local IBM representative.

Feature description	OTC feature number	OTC
1-Year Offerings		
Per Rack HPC for Blue Gene/Q w 1yr ST Sub	0483	
Per 1/2 Rack HPC for Blue Gene/Q w 1yr ST Sub	0486	
Per QCM HPC for Power Systems w 1yr ST Sub	0489	
** Note: All 1-Year Offerings were previously announced and are shown here just for completeness		
2-Year Offerings		
Per Rack HPC for Blue Gene/Q w 2yr ST Sub	0623	
Per 1/2 Rack HPC for Blue Gene/Q w 2yr ST Sub	0615	
Per QCM HPC for Power Systems w 2yr ST Sub	0619	
3-Year Offerings		
Per Rack HPC for Blue Gene/Q w 3yr ST Sub	0622	
Per 1/2 Rack HPC for Blue Gene/Q w 3yr ST Sub	0614	
Per QCM HPC for Power Systems w 3yr ST Sub	0618	
4-Year Offerings		
Per Rack HPC for Blue Gene/Q w 4yr ST Sub	0624	
Per 1/2 Rack HPC for Blue Gene/Q w 4yr ST Sub	0616	

Per QCM HPC for Power Systems w 4yr ST Sub	0620
5-Year Offerings	
Per Rack HPC for Blue Gene/Q w 5yr ST Sub	0625
Per 1/2 Rack HPC for Blue Gene/Q w 5yr ST Sub	0617
Per QCM HPC for Power Systems w 5yr ST Sub	0621

Pricing terms

Prices in the following PDF prices link are suggested list prices on day of announcement for the U.S. only. They are provided for your information only. Dealer prices may vary, and prices may also vary by country. IBM list price does not include tax or shipping and is subject to change without notice.

[ENUS-212-478-LIST_PRICES_2012_12_11.PDF](#)

Order now

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To identify your local IBM representative or IBM Business Partner, call 800-IBM-4YOU (426-4968).

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 Fax: 800-2IBM-FAX (242-6329)
 For IBM representative: callserv@ca.ibm.com
 For IBM Business Partner: pwswna@us.ibm.com
 Mail: IBM Teleweb Customer Support
 ibm.com® Sales Execution Center, Americas North
 3500 Steeles Ave. East, Tower 3/4
 Markham, Ontario
 Canada
 L3R 2Z1

Reference: RE001

The Americas Call Centers, our national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

Note: Shipments will begin after the planned availability date.

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