



IBM PureApplication System W3700 and IBM PureApplication Software V2.1.1 support IBM POWER8 servers

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Overview

IBM^(R) PureApplication^(R) is a hybrid, cloud application platform for cloud-enabling applications and middleware (for example, IBM Business Process Manager, IBM Mobile, IBM WebSphere^(R) Application Server, and IBM MQ) with enterprise-grade qualities of service, such as automated elasticity, built-in monitoring, license management, and high availability. PureApplication Systems are designed to improve business agility across the application lifecycle.

PureApplication System W3700 and enhancements to PureApplication Software V2.1.1 support POWER8 servers.

PureStart Services for PureApplication are easy to purchase. PureStart Services provides deployment services and support for PureApplication Systems to assist the integration of your systems into your data center and the creation of a tailored, initial deployment plan.

Key prerequisites

There are no requirements for the PureApplication System W3700 server.

PureApplication Software V2.1.1 can run on PureApplication System W2500, W2700, W1500, or W1700 appliances. It can also be used on your IntelTM, POWER7^(R), or POWER8 servers.

PureStart Services for PureApplication requires PureApplication System W3700, W2500, or W2700 appliances.

For planning information, refer to the [Technical information](#) section.

Planned availability date

- September 25, 2015. PureApplication System W3700
- September 25, 2015
 - PureApplication Software V2.1.1
 - Factory shipments of PureApplication Software V2.1.1 on PureApplication System W2500 and W2700

- August 11, 2015. PureStart Services for PureApplication

Description

PureApplication System W3700

PureApplication System W3700 is the new model of preintegrated, cloud-application platform that includes POWER8 compute nodes. Models that are offered for PureApplication System W3700 include:

W3700 models 40, 80, 120, 160, and 200

- Compute: 40, 80, 120, 160, and 200 cores that are based on POWER8 compute nodes
- Memory: 32 GB per core
- Storage:
 - 6.4 TB solid state drive
 - 96 TB hard disk drive
- Networking: Top of rack

PureApplication Software V2.1.1

PureApplication Software V2.1.1 provides the ability to deploy PureApplication workload and lifecycle management capabilities on your own virtualization and hardware. PureApplication Software V2.1.1 adds support for IBM PowerVC to enable the deployment of workloads onto Power servers.

PureStart Services for PureApplication

PureStart Services for PureApplication (PureStart Services) provides deployment services and support. This service includes the assignment of a technical account manager (TAM) for 90 days to assist integration of the PureApplication Systems into your data center. In addition, an IBM consultant will assist with creating an initial deployment plan that is tailored to your specific business objectives and workloads.

PureStart Services include a combination of on-site and remote support to assist you to:

- Configure PureApplication Systems for initial development use.
- Install required software updates.
- Identify key roles and responsibilities.
- Deliver education and enablement of PureApplication systems basics and operations.
- Determine appropriate backup and restore scenarios to establish support procedures.
- Share industry best practices.
- Provide a central point of contact for remote assistance.

PureStart Services assist you with:

- Defining high level project plan to address objectives, scope, milestones, expectations, and business value
- Assisting in selecting a project (if not previously confirmed)
- Reviewing your client solution design or creating a basic solution design
- Estimating project cost
- Providing an overview of pattern development and deployment

For additional information on this offering, refer to

<http://www.ibm.com/developerworks/websphere/services/purestart.html>

For additional information on support, refer to the *Appliance Support Handbook* at

<http://public.dhe.ibm.com/software/server/applhandbook/ApplianceSupportHandbook.pdf>

Accessibility by people with disabilities

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

http://www.ibm.com/able/product_accessibility/index.html

Statement of general direction

IBM intends to enable PureApplication System and PureApplication Software to support use of Red Hat Enterprise Linux™ (RHEL) 7 for Power Systems™, little endian as a guest operating system.

IBM plans to deliver support for PureApplication Software to allow the use of N-Port ID Virtualization (NPIV) for storage devices supported by using IBM Power Virtualization Center (PowerVC).

IBM's statements regarding its plans, directions, and intent are subject to change or withdrawal without notice at IBM's sole discretion. Information regarding potential future products is intended to outline our general product direction and it should not be relied on in making a purchasing decision. The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. Information about potential future products may not be incorporated into any contract. The development, release, and timing of any future features or functionality described for our products remain at our sole discretion.

Reference information

For information on the PureApplication System W2500 and W2700, refer to Software Announcement [214-203](#), dated April 22, 2014.

For information on the PureApplication Software V2, refer to Software Announcement [214-335](#), dated July 29, 2014.

Program number

| Program number | VRM | Program name |
|----------------|-------|----------------------------------|
| 5725-X32 | 2.1.1 | IBM PureApplication System W3700 |
| 5725-G32 | 2.1.1 | IBM PureApplication System W1500 |
| 5725-F46 | 2.1.1 | IBM PureApplication System W1700 |
| 5725-Q93 | 2.1.1 | IBM PureApplication System W2500 |
| 5725-Q94 | 2.1.1 | IBM PureApplication System W2700 |
| 5725-Q52 | 2.1.1 | IBM PureApplication Software |

| Product name | Part number | Machine type-model |
|--------------------------------------|--------------------|---|
| IBM PureApplication System W3700-40 | D1IK1LL | 8536- S32 |
| IBM PureApplication System W3700-80 | D1IK5LL | 8536- S34 |
| IBM PureApplication System W3700-120 | D1IKCLL | 8536- S36 |
| IBM PureApplication System W3700-160 | D1IKILL | 8536- S38 |
| IBM PureApplication System W3700-200 | D1IKPLL | 8536- S3A |
| Program number | VRM | Program name |
| 5725-X65 | Not applicable | IBM PureStart Services for PureApplication System |

Education support

Not applicable

Offering Information

Product information is available via the Offering Information website

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

Also, refer to the Passport Advantage^(R) website

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

Publications

The PureApplication System W3700 Knowledge Center will be available on September 18, 2015. Refer to

http://www.ibm.com/support/knowledgecenter/SS6PD2_2.1.1

Technical information

Specified operating environment

Hardware and Software requirements

There are no requirements for PureApplication System W3700.

PureApplication Software V2.1.1 can be used on:

- PureApplication System W2500, W2700, W1500, or W1700 appliance.
- Your Intel, POWER7 or POWER8 servers.

PureStart Services for PureApplication requires a PureApplication System W3700, W2500, or W2700 appliance.

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.

PureApplication System W3700

Physical specifications

Each IBM PureApplication System W3700 is shipped in a 42U Enterprise Rack.

Weight

| Product name | Weight (kg) | Shipping weight (kg) | Weight (lbs) | Shipping weight (lbs) |
|----------------------------------|-------------|----------------------|--------------|-----------------------|
| PureApplication System W3700-40 | 645.91 | 714.09 | 1421 | 1571 |
| PureApplication System W3700-80 | 688.64 | 756.82 | 1515 | 1665 |
| PureApplication System W3700-120 | 764.09 | 832.27 | 1681 | 1831 |
| PureApplication System W3700-160 | 823.18 | 891.36 | 1811 | 1961 |
| PureApplication System W3700-200 | 882.27 | 950.45 | 1941 | 2091 |

Power and heat

| PureApplication | Power (kVA) | Power (watts) | Heat (BTU/hr) |
|----------------------------------|-------------|---------------|---------------|
| PureApplication System W3700-40 | 6.08 | 6400 | 21843.20 |
| PureApplication System W3700-80 | 8.38 | 8821.05 | 30106.25 |
| PureApplication System W3700-120 | 10.68 | 11242.11 | 38369.43 |
| PureApplication System W3700-160 | 12.97 | 13652.63 | 46595.43 |
| PureApplication System W3700-200 | 15.27 | 16073.68 | 54859.48 |

Product environment

- Temperature:
 - Non-operating: 5 to 45° C (41 to 113 F)
 - Recommended operating temperature: 18 to 27° C (64 to 80° F)
 - Allowable operating temperature: 5 to 35° C (41 to 95° F)
- Relative humidity:
 - Non-operating: 8% to 80%
 - Recommended operation: 5.5° C (42° F) dew point to 60% RH and 15° C (59° F) dew point Maximum operating dew point: 28° C (84° F)
- Operating voltage: 200 to 240 V ac
- Operating frequency: 47 to 63 Hz
- Maximum power consumption: 16074 watts
- Power factor: 0.98 typical
- Thermal output: 54859 Btu/hour (maximum)
- Power-source loading 1.88 kVa (maximum configuration)
- Maximum altitude: 3,050 m (10,000 ft)

Electromagnetic compatibility compliance

- US: FCC Part 15 Class A
- Canada: ICES-003, Class A
- Europe: EN 55022, Class A, EN 55024, EN 61000-3-2, EN 61000-3-3
- Japan: VCCI-A
- Korea: KC, Class A
- Taiwan: BSMI, CNS 13438, Class A
- Russia: EAC, Class A
- Australia/New Zealand: CISPR 22, Class A

Product safety compliance

- US: UL 60950-1
- Canada: CSA/CAN C22.2 No. 60950-1
- Europe: EN 60950-1, EN62479
- Taiwan, BSMI CNS 14336
- Russia: EAC/IEC 60950-1
- CB Report, IEC 60950-1

Planning information

Packaging

Not applicable

Ordering information

This product is only available via Passport Advantage. It is not available as shrinkwrap.

These products may only be sold directly by IBM or by authorized IBM Business Partners for Software Value Plus.

For more information about IBM Software Value Plus, refer to

http://www.ibm.com/partnerworld/page/svp_authorized_portfolio

To locate IBM Business Partners for Software Value Plus in your geography for a specific Software Value Plus portfolio, refer to

<http://www.ibm.com/partnerworld/wps/bplocator/>

| Product group | PureApplication System |
|--|-------------------------------|
| Product Identifier Description | (PID) |
| PureApplication System W3700 | 5724-X32 |
| PureApplication Software V2 | 5725-Q52 |
| PureStart Services for PureApplication | 5725-X65 |
| Product category | PureApplication Systems |

Passport Advantage

Note: Products and features may not be available in all countries and territories.

PureApplication System W3700

| Program name/Description | Part number |
|---|--------------------|
| PureApplication System W3700-40 Appliance Install | |
| Appliance + Subscription and Support 12 Months | D1IK1LL |
| Annual Appliance Maintenance + Subscription and Support Renewal 12 Months | E0LTYLL |
| Appliance Maintenance + Subscription and Support Reinstatement 12 Months | D1IK2LL |
| Initial Appliance Business Critical Service Upgrade 12 Months | D1IK3LL |
| Subsequent Appliance Business Critical Service Upgrade 12 Months | E0LTZLL |
| IBM PureApplication System W3700-80 Appliance Install | |
| Appliance + Subscription and Support 12 Months | D1IK5LL |
| Annual Appliance Maintenance + Subscription and Support Renewal 12 Months | E0LU1LL |
| Appliance Maintenance + Subscription and Support Reinstatement 12 Months | D1IK6LL |
| Initial Appliance Business Critical Service Upgrade 12 Months | D1IK9LL |
| Subsequent Appliance Business Critical Service Upgrade 12 Months | E0LU2LL |
| Appliance Upgrade from W3700-40 Lic + S&S Maintenance 12 Months | D1IK7LL |
| PureApplication System W3700-120 Appliance Install | |
| Appliance + Subscription and Support 12 Months | D1IKCLL |
| Annual Appliance Maintenance + Subscription and Support Renewal 12 Months | E0LU4LL |
| Appliance Maintenance + Subscription and Support Reinstatement 12 Months | D1IKDLL |
| Initial Appliance Business Critical Service Upgrade 12 Months | D1IKGLL |
| Subsequent Appliance Business Critical Service Upgrade 12 Months | E0LU5LL |
| Appliance Upgrade from W3700-80 Lic + S&S Maintenance 12 Months | D1IKELL |
| PureApplication System W3700-160 Appliance Install | |
| Appliance + Subscription and Support 12 Months | D1IKILL |
| Annual Appliance Maintenance + Subscription and Support Renewal 12 Months | E0LU7LL |
| Appliance Maintenance + Subscription and Support Reinstatement 12 Months | D1IKJLL |
| Initial Appliance Business Critical Service Upgrade 12 Months | D1IKMLL |
| Subsequent Appliance Business Critical Service Upgrade 12 Months | E0LU8LL |
| Appliance Upgrade from W3700-120 Lic + S&S Maintenance 12 Months | D1IKKLL |

| Program name/Description | Part number |
|---|--------------------|
| PureApplication System W3700-200 Appliance Install | |
| Appliance + Subscription and Support 12 Months | D1IKPLL |
| Annual Appliance Maintenance + Subscription and Support Renewal 12 Months | E0LUALL |
| Appliance Maintenance + Subscription and Support Reinstatement 12 Months | D1IKQLL |
| Initial Appliance Business Critical Service Upgrade 12 Months | D1IKTLL |
| Subsequent Appliance Business Critical Service Upgrade 12 Months | E0LUBLL |
| Appliance Upgrade from W3700-160 Lic + S&S Maintenance 12 Months | D1IKRLL |

The PureApplication System W3700 Business Critical Service Upgrade is available in the US and Puerto Rico.

PureApplication System W3700 Hard Drive Retention Service Upgrade

| Program name/Description | Part number |
|---|--------------------|
| PureApplication System W3700-40 Appliance Install | |
| Initial Appliance Hard Drive Retention Service Upgrade 12 Months | D1IK4LL |
| Subsequent Appliance Hard Drive Retention Service Upgrade 12 Months | E0LU0LL |
| PureApplication System W3700-80 Appliance Install | |
| Initial Appliance Hard Drive Retention Service Upgrade 12 Months | D1IKALL |
| Subsequent Appliance Hard Drive Retention Service Upgrade 12 Months | E0LU3LL |
| PureApplication System W3700-120 Appliance Install | |
| Initial Appliance Hard Drive Retention Service Upgrade 12 Months | D1IKHLL |
| Subsequent Appliance Hard Drive Retention Service Upgrade 12 Months | E0LU6L |
| PureApplication System W3700-160 Appliance Install | |
| Initial Appliance Hard Drive Retention Service Upgrade 12 Months | D1IKNLL |
| Subsequent Appliance Hard Drive Retention Service Upgrade 12 Months | E0LU9LL |
| PureApplication System W3700-200 Appliance Install | |
| Initial Appliance Hard Drive Retention Service Upgrade 12 Months | D1IKULL |
| Subsequent Appliance Hard Drive Retention Service Upgrade 12 Months | E0LUCLL |

The PureApplication System W3700 Hard Drive Retention Service Upgrade is available in the US and Puerto Rico.

PureApplication Software V2.1.1

For ordering information on PureApplication Software V2, refer to Software Announcement [214-222](#), dated May 27, 2014.

PureStart Services for PureApplication (5725-X65)

| Program name/Description | Part number |
|--|-------------|
| PureStart Services for PureApplication System Engagement 90 Day Expiry | D1IW7LL |
| IBM Technical Account Manager Services for PureApplication System - Business Partners Engagement 90 Day Expiry | D1IW8LL |

Charge metric

| Program name | PID | Charge metric |
|--|----------|--------------------------|
| PureApplication System W3700 | 5725-X32 | Per Appliance Install |
| PureApplication Software V2 | 5725-Q52 | Processor Value Unit |
| PureStart Services for PureApplication | 5725-X65 | Engagement 90 Day Expiry |
| PureStart Services for PureApplication | 5725-X65 | Engagement 90 Day Expiry |

Engagement

Engagement is a unit of measure by which the Program can be licensed. An Engagement consists of professional and/or training services related to the Program. Licensee must obtain sufficient entitlements to cover each Engagement.

Appliance Install

Appliance Install is a unit of measure by which the Program can be licensed. An Appliance Install is an installed copy of the Program that is included on a single unit of supporting hardware. Licensee must obtain an entitlement for each Appliance Install of the Program.

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 model 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 (socket). A dual-core processor chip, for example, has two processor cores. The PVU table can be found at

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

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.

Notes^(R)

- 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.
- Some programs may be licensed on a managed basis only. In that case, the following applies. Instead of 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.
- A few programs on an exception basis may be licensed on a referenced basis. In that case, the following applies. Rather than obtaining entitlements for the activated processor cores available to the program, licensee must obtain PVU entitlements for this program sufficient to cover the environment made available to the referenced program as if the program itself were executing everywhere the referenced program was executing, independent of the basis on which the referenced program is licensed.

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 Attachment for Appliance Service to Passport Advantage.

<http://www.ibm.com/software/lotus/passportadvantage/agreementsandforms.html>

This product is only available via Passport Advantage.

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. Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

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

Agreement for Acquisition of Software Maintenance

Consult the *IBM Appliance Support Handbook* for further details on Appliance Warranty Service Upgrade options at

<http://www.ibm.com/software/appliance/support>

PureApplication Software V2.1.1

This product is only available via Passport Advantage.

PureApplication System includes system firmware to support operation of the appliance. The system firmware follows the IBM version, release, maintenance, fix pack number maintenance delivery terminology.

PureApplication System will provide two years of support for each system firmware release beginning at the general availability of the release. A system firmware release is a change in either the version or the release of the firmware. System firmware release maintenance and fixpacks will be made available from the

PureSystems^(R) Centre. Releases of PureApplication System firmware that are older than two years are subject to support withdrawal at any time. System firmware release withdrawal dates will be published on the PureApplication Support website. For details, refer to

<http://www.ibm.com/support/docview.wss?uid=swg21667771>

License Information number

| Product name | License number |
|-------------------------------------|-----------------------|
| PureApplication System W3700 V2.1.1 | L-CTUR-9Y9JTD |
| PureApplication Software V2.1.1 | L-CTUR-9Y9SG9 |

The program's License Information will be available for review on the IBM Software License Agreement website on August 24, 2015.

<http://www.ibm.com/software/sla/slabd.nsf>

Limited warranty applies

Yes

Limited warranty

IBM 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. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on 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).

Money-back guarantee

Not applicable for PureApplication Appliance W3700

Volume orders (IVO)

No

Passport Advantage applies

Yes, and through the Passport Advantage website at

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

Software Subscription and Support applies

Yes. Software Subscription and Support (also referred to as Software Maintenance) is included with licenses purchased through Passport Advantage and Passport Advantage Express^(R). Product upgrades and Technical Support are provided by the Software Subscription and Support 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 IBM support organizations, worldwide.

IBM includes one year of Software Subscription and Support with each program license acquired. The initial period of Software Subscription and Support can be extended by the purchase of a renewal option, if available.

While your Software Subscription and Support is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM 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 IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, 7 days a week. For additional details, consult your *IBM Software Support Handbook*

<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 IBM is not responsible under the applicable agreements.

For additional information about the International Passport Advantage Agreement and the IBM International Passport Advantage Express Agreement, refer to the Passport Advantage website at

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

Other support

Appliance support under Passport Advantage

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Not applicable.

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 all charges, contact your IBM representative.

Passport Advantage

For Passport Advantage information and charges, contact your IBM representative or authorized IBM Business Partner for Software Value Plus. Additional information is also available at

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

IBM Global Financing

IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or refer to

<http://www.ibm.com/financing>

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Financing from IBM Global Financing helps you preserve cash and credit lines, enables more technology acquisition within current budget limits, permits accelerated implementation of economically attractive new technologies, offers payment and term flexibility, and can help match project costs to projected benefits. Financing is available worldwide for credit-qualified customers.

For more financing information, refer to

<http://www.ibm.com/financing>

Appliance announcement countries

The PureApplication System W3700 is available in Puerto Rico and the US.

Trademarks

Power Systems is a trademark of IBM Corporation in the United States, other countries, or both.

Power, POWER8, IBM, PureApplication, POWER7, Passport Advantage, System i, Express, Notes and PureSystems are registered trademarks of IBM Corporation in the United States, other countries, or both.

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[Terms of use](#)

For the most current information regarding IBM products, consult your IBM representative or reseller, or refer to the IBM worldwide contacts page

<http://www.ibm.com/planetwide/us/>

Corrections

(Corrected on August 28, 2015)

All occurrences of Power 8 changed to POWER8. Key prerequisites and Technical information sections are revised.