

Ibm 7042 Hardware Management Consoles With Web Based

IBM Power Systems S922, S914, and S924 Technical Overview and Introduction Featuring PCIe Gen 4 Technology
 IBM Power Systems HMC Implementation and Usage Guide
 IBM PowerVM Virtualization Introduction and Configuration
 IBM Power 750 and 755 (8233-E8B, 8236-E8C) Technical Overview and Introduction
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 ABCs of z/OS System Programming
 IBM Power 770 and 780 (9117-MMC, 9179-MHC) Technical Overview and Introduction
 Hardware Management Console V7 Handbook
 IBM Power Systems HMC Implementation and Usage Guide

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IBM Power Systems S922, S914, and S924 Technical Overview and Introduction Featuring PCIe Gen 4 Technology IBM Redbooks

This IBM® Redpaper™ publication introduces and provides a technical overview of the IBM PurePower System that helps support management of big data, social media, mobile, analytics, and the flow of critical information. A PurePower System can be configured in an affordable entry-level configuration in a single rack, and it is agile enough to be expanded for scalable cloud deployments. It has built-in redundancy for highly

reliable and resilient operation to support demanding applications and cloud services, as required by many enterprises. A PurePower System also provides the scalability, flexibility, and versatility that you demand for business-critical workloads. The following enhancements were announced in October 2015: IBM i operating system on top of a Virtual I/O Server (VIOS) now supported on the IBM Power System S822 server Improvements to PurePower Integrated Manager Integration of HMC code (virtual HMC) into the PurePower Integrated Manager Ability to order translated PurePower documentation that is geography-specific Configuration support for IBM Power System S822 and S822L server in a single rack PowerVC 1.2.3 Standard Edition

Power compute node firmware SV840 *IBM Power Systems HMC Implementation and Usage Guide* IBM Redbooks This IBM® Redbooks® publication positions the IBM Systems Director Management Console (SDMC) against the IBM Hardware Management Console (HMC). The IBM Systems Director Management Console provides system administrators the ability to manage IBM Power System® servers as well as IBM Power Blade servers. It is based on IBM Systems Director. This publication is designed for system administrators to use as a desktide reference when managing Virtual Servers (formerly partitions) using the SDMC. The major functions that the SDMC provides are server hardware management and virtualization

management.

IBM PowerVM Virtualization Introduction and Configuration IBM Redbooks

This IBM® Redpaper™ publication is a comprehensive guide covering the IBM Power 710 (8231-E1C) and Power 730 (8231-E2C) servers supporting IBM AIX®, IBM i, and Linux operating systems. The goal of this paper is to introduce the innovative Power 710 and Power 730 offerings and their major functions, including these: The POWER7™ processor available at frequencies of 3.0 GHz, 3.55 GHz, and 3.7 GHz. The specialized POWER7 Level 3 cache that provides greater bandwidth, capacity, and reliability. The 2-port 10/100/1000 Base-TX Ethernet PCI Express adapter included in the base configuration and installed in a PCIe Gen2 x4 slot. The integrated SAS/SATA controller for HDD, SSD, tape, and DVD. This controller supports built-in hardware RAID 0, 1, and 10. PowerVMTM virtualization including PowerVM Live Partition Mobility and PowerVM Active Memory™ Sharing. Active Memory Expansion that provides more usable memory than what is physically installed on the system. EnergyScale™ technology that provides features such as power trending, power-saving, capping of power, and thermal measurement. Professionals who want to acquire a better understanding of IBM Power Systems products can benefit from reading this paper. This paper expands the current set of IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power 710 and Power 730 systems. This paper does not replace the latest marketing materials and configuration tools. It is intended as an additional source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

IBM Power 750 and 755 (8233-E8B, 8236-E8C) Technical Overview and Introduction IBM Redbooks

This IBM® Redpaper™ publication is a comprehensive guide covering the IBM Power System E850 (8408-E8E) server that supports IBM AIX®, and Linux operating systems. The objective of this paper is to introduce the major innovative Power E850 offerings and their relevant functions: The new IBM POWER8™ processor, available at frequencies of 3.02 GHz, 3.35 GHz, and 3.72 GHz Significantly strengthened cores and larger caches Two integrated memory controllers with improved latency and bandwidth Integrated I/O subsystem and hot-pluggable PCIe Gen3 I/O slots I/O drawer expansion options offer greater flexibility

Improved reliability, serviceability, and availability (RAS) functions IBM EnergyScale™ technology that provides features such as power trending, power-saving, capping of power, and thermal measurement This publication is for professionals who want to acquire a better understanding of IBM Power Systems™ products. The intended audience includes the following roles: Clients Sales and marketing professionals Technical support professionals IBM Business Partners Independent software vendors This paper expands the current set of IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power E850 system. This paper does not replace the latest marketing materials and configuration tools. It is intended as an additional source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

IBM Power System E950: Technical Overview and Introduction IBM Redbooks

This IBM® Redbooks® publication is a comprehensive guide that covers cloud security considerations for IBM Power Systems™. The first objectives of this book are to examine how Power Systems can fit into the current and developing cloud computing landscape and to outline the proven Cloud Computing Reference Architecture (CCRA) that IBM employs in building private and hybrid cloud environments. The book then looks more closely at the underlying technology and hones in on the security aspects for the following subsystems: IBM Hardware Management Console IBM PowerVM IBM PowerKVM IBM PowerVC IBM Cloud Manager with OpenStack IBM Bluemix This publication is for professionals who are involved in security design with regard to planning and deploying cloud infrastructures using IBM Power Systems.

IBM Reference Architecture for Genomics, Power Systems Edition IBM Redbooks

This IBM® Redpaper™ publication is a comprehensive guide covering the IBM Power System S814 (8286-41A) and IBM Power System S824 (8286-42A) servers that support IBM AIX®, IBM i, and Linux operating systems. The objective of this paper is to introduce the major innovative Power S814 and Power S824 offerings and their relevant functions: The new IBM POWER8™ processor, available at frequencies of 3.02 GHz, 3.52 GHz, 3.72 GHz, 3.89 GHz, and 4.15 GHz Significantly strengthened cores and larger caches Two integrated memory controllers with improved latency and bandwidth

Integrated I/O subsystem and hot-pluggable PCIe Gen3 I/O slots Improved reliability, serviceability, and availability (RAS) functions IBM EnergyScale™ technology that provides features such as power trending, power-saving, capping of power, and thermal measurement This publication is for professionals who want to acquire a better understanding of IBM Power Systems™ products. This paper expands the current set of IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power S814 and Power S824 systems. This paper does not replace the latest marketing materials and configuration tools. It is intended as an additional source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

Cloud Security Guidelines for IBM Power Systems IBM Redbooks

This IBM® Redbooks® publication describes the IBM Storage Area Network and IBM SAN Volume Controller Stretched Cluster solution when combined with PowerVM® and PowerHA®. We describe guidelines, settings, and the implementation steps that are necessary to achieve a successful implementation. This book is for administrators who are familiar with the SAN, IBM SAN Volume Controller, and IBM PowerVM and PowerHA Systems.

IBM Power 795 (9119-FHB) Technical Overview and Introduction IBM Redbooks

This IBM® Redpaper™ publication is a comprehensive guide that covers the IBM Power 795 server that supports IBM AIX®, IBM i, and Linux operating systems. The goal of this paper is to introduce the innovative Power 795 offering and its major functions: IBM POWER7® processor, available at frequencies of 3.7 GHz and 4.0 GHz with TurboCore options of 4.25 GHz and 4.31 GHz Specialized POWER7 Level 3 cache that provides greater bandwidth, capacity, and reliability IBM PowerVM® virtualization, including PowerVM Live Partition Mobility and PowerVM IBM Active Memory™ Sharing TurboCore mode that delivers the highest performance per core Enhanced reliability, accessibility, and serviceability (RAS) features that are designed for maximum availability Active Memory Expansion that provides more usable memory than what is physically installed on the system IBM EnergyScale™ technology that provides features such as power trending, power-saving, capping of power, and thermal measurement Professionals who want to acquire a better understanding of IBM Power Systems™ products can benefit

from reading this paper. This paper complements the available set of IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power 795 system. This paper does not replace the latest marketing materials and configuration tools. It is intended as an additional source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

IBM Power System E980: Technical Overview and Introduction IBM Redbooks

A resource to help forensic investigators locate, analyze, and understand digital evidence found on modern Linux systems after a crime, security incident or cyber attack. Practical Linux Forensics dives into the technical details of analyzing postmortem forensic images of Linux systems which have been misused, abused, or the target of malicious attacks. It helps forensic investigators locate and analyze digital evidence found on Linux desktops, servers, and IoT devices. Throughout the book, you learn how to identify digital artifacts which may be of interest to an investigation, draw logical conclusions, and reconstruct past activity from incidents. You'll learn how Linux works from a digital forensics and investigation perspective, and how to interpret evidence from Linux environments. The techniques shown are intended to be independent of the forensic analysis platforms and tools used. Learn how to:

- Extract evidence from storage devices and analyze partition tables, volume managers, popular Linux filesystems (Ext4, Btrfs, and Xfs), and encryption
- Investigate evidence from Linux logs, including traditional syslog, the systemd journal, kernel and audit logs, and logs from daemons and applications
- Reconstruct the Linux startup process, from boot loaders (UEFI and Grub) and kernel initialization, to systemd unit files and targets leading up to a graphical login
- Perform analysis of power, temperature, and the physical environment of a Linux machine, and find evidence of sleep, hibernation, shutdowns, reboots, and crashes
- Examine installed software, including distro installers, package formats, and package management systems from Debian, Fedora, SUSE, Arch, and other distros
- Perform analysis of time and Locale settings, internationalization including language and keyboard settings, and geolocation on a Linux system
- Reconstruct user login sessions (shell, X11 and Wayland), desktops (Gnome, KDE, and others) and analyze keyrings, wallets, trash cans,

clipboards, thumbnails, recent files and other desktop artifacts

- Analyze network configuration, including interfaces, addresses, network managers, DNS, wireless artifacts (Wi-Fi, Bluetooth, WWAN), VPNs (including WireGuard), firewalls, and proxy settings
- Identify traces of attached peripheral devices (PCI, USB, Thunderbolt, Bluetooth) including external storage, cameras, and mobiles, and reconstruct printing and scanning activity

IBM Power 550 Technical Overview IBM Redbooks

This IBM® Redpaper publication is a comprehensive guide that covers the IBM Power System S914 (9009-41G), IBM Power System S922 (9009-22G), and IBM Power System S924 (9009-42G) servers that use the latest IBM POWER9™ processor-based technology and support the IBM AIX®, IBM i, and Linux operating systems (OSs). The goal of this paper is to provide a hardware architecture analysis and highlight the changes, new technologies, and major features that are being introduced in these systems, such as:

- The latest IBM POWER9 processor, which is available in various configurations for the number of cores per socket
- More performance by using industry-leading Peripheral Component Interconnect Express (PCIe) Gen 4 slots
- Enhanced internal disk scalability and performance with up to 11 NVMe adapters
- Introduction of a competitive Power S922 server with a 1-socket configuration that is targeted at IBM i customers

This publication is for professionals who want to acquire a better understanding of IBM Power Systems™ products. The intended audience includes the following roles: Clients Sales and marketing professionals Technical support professionals IBM Business Partners Independent software vendors (ISVs) This paper expands the current set of IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power S914, Power S922, and Power S924 systems. This paper does not replace the current marketing materials and configuration tools. It is intended as an extra source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

Power Systems Enterprise Servers with PowerVM Virtualization and RAS IBM Redbooks

This IBM Redpaper publication is a comprehensive guide covering the IBM Power 520 server, machine type model 8203-E4A. The goal of this paper is to introduce this innovative server that

includes IBM System i and IBM System p and new hardware technologies. The major hardware offerings include:

- The POWER6 processor, available at frequencies of 4.2 GHz and 4.7 GHz.
- Specialized POWER6 DDR2 memory that provides greater bandwidth, capacity, and reliability.
- The 1 Gb or 10 Gb Integrated Virtual Ethernet adapter that brings native hardware virtualization to this server.
- EnergyScale technology that provides features such as power trending, power-saving, capping of power, and thermal measurement.
- PowerVM virtualization technology.
- Mainframe continuous availability brought to the entry server environment.

This Redpaper expands the current set of IBM Power System documentation by providing a desktop reference that offers a detailed technical description of the Power 520 system. This Redpaper does not replace the latest marketing materials and tools. It is intended as an additional source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

IBM Power 720 and 740 (8202-E4B, 8205-E6B) Technical Overview and Introduction IBM Redbooks

This IBM® Redbooks® publication provides advice and technical information about optimizing and tuning application code to run on systems that are based on the IBM POWER7® and POWER7+™ processors. This advice is drawn from application optimization efforts across many different types of code that runs under the IBM AIX® and Linux operating systems, focusing on the more pervasive performance opportunities that are identified, and how to capitalize on them. The technical information was developed by a set of domain experts at IBM. The focus of this book is to gather the right technical information, and lay out simple guidance for optimizing code performance on the IBM POWER7 and POWER7+ systems that run the AIX or Linux operating systems. This book contains a large amount of straightforward performance optimization that can be performed with minimal effort and without previous experience or in-depth knowledge. This optimization work can:

- Improve the performance of the application that is being optimized for the POWER7 system
- Carry over improvements to systems that are based on related processor chips
- Improve performance on other platforms

The audience of this book is those personnel who are responsible for performing migration and implementation activities on IBM POWER7-based servers, which includes system administrators,

system architects, network administrators, information architects, and database administrators (DBAs).

IBM Power System E850 Technical

Overview and Introduction IBM Redbooks

The IBM® Hardware Management Console (HMC) provides to systems administrators a tool for planning, deploying, and managing IBM Power Systems™ servers. This IBM Redbooks® publication is an extension of IBM Power Systems HMC Implementation and Usage Guide, SG24-7491 and also merges updated information from IBM Power Systems Hardware Management Console: Version 8 Release 8.1.0 Enhancements, SG24-8232. It explains the new features of IBM Power Systems Hardware Management Console Version V8.8.1.0 through V8.8.4.0. The major functions that the HMC provides are Power Systems server hardware management and virtualization (partition) management. Further information about virtualization management is in the following publications: IBM PowerVM Virtualization Managing and Monitoring, SG24-7590 IBM PowerVM Virtualization Introduction and Configuration, SG24-7940 IBM PowerVM Enhancements What is New in 2013, SG24-8198 IBM Power Systems SR-IOV: Technical Overview and Introduction, REDP-5065 The following features of HMC V8.8.1.0 through HMC V8.8.4.0 are described in this book: HMC V8.8.1.0 enhancements HMC V8.8.4.0 enhancements System and Partition Templates HMC and IBM PowerVM® Simplification Enhancement Manage Partition Enhancement Performance and Capacity Monitoring HMC V8.8.4.0 upgrade changes

IBM Power Systems SR-IOV: Technical

Overview and Introduction IBM Redbooks

This IBM® Redpaper™ publication is a comprehensive guide covering the IBM Power 750 and Power 760 servers supporting IBM AIX®, IBM i, and Linux operating systems. The goal of this paper is to introduce the major innovative Power 750 and Power 760 offerings and their prominent functions: The IBM POWER7+™ processor is available at frequencies of 3.1 GHz, 3.4 GHz, 3.5 GHz, and 4.0 GHz. The larger IBM POWER7+ Level 3 cache provides greater bandwidth, capacity, and reliability. The newly introduced POWER7+ dual chip module (DCM). New 10GBase-T options for the Integrated Multifunction Card that provides two USB ports, one serial port, and four Ethernet connectors for a processor enclosure and does not require a PCI slot. New IBM PowerVM® V2.2.2 features, such as 20 LPARs per core. The improved IBM Active Memory™ Expansion

technology provides more usable memory than is physically installed in the system. Professionals who want to acquire a better understanding of IBM Power Systems™ products should read this paper. This Redpaper expands the current set of IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the 750 and 760 systems. This paper does not replace the latest marketing materials and configuration tools. It is intended as an additional source of information that, together with existing sources, may be used to enhance your knowledge of IBM server solutions. For additional reading: A Technote is available that explains the performance architecture of this server. It is of interest to those migrating workloads from existing Power 750 servers. It can be found at: Architecture of the IBM POWER7+ Technology-Based IBM Power 750 and IBM Power 760 Technote

[WebSphere Business Process Management](#)

[V7 Production Topologies IBM Redbooks](#)

This IBM® Redpaper™ publication gives a broad understanding of a new architecture of the IBM Power System E950 (9040-MR9) server that supports IBM AIX®, and Linux operating systems. The objective of this paper is to introduce the major innovative Power E950 offerings and relevant functions: The IBM POWER9™ processor, which is available at frequencies of 2.8 - 3.4 GHz. Significantly strengthened cores and larger caches. Supports up to 16 TB of memory, which is four times more than the IBM POWER8® processor-based IBM Power System E850 server. Integrated I/O subsystem and hot-pluggable Peripheral Component Interconnect Express (PCIe) Gen4 slots, which have double the bandwidth of Gen3 I/O slots. Supports EXP12SX and ESP24SX external disk drawers, which have 12 Gb Serial Attached SCSI (SAS) interfaces and support Active Optical Cables (AOCs) for greater distances and less cable bulk. New IBM EnergyScale™ technology offers new variable processor frequency modes that provide a significant performance boost beyond the static nominal frequency. This publication is for professionals who want to acquire a better understanding of IBM Power Systems™ products. The intended audience includes the following roles: Clients Sales and marketing professionals Technical support professionals IBM Business Partners Independent software vendors (ISVs) This paper expands the current set of Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power E950 server. This paper does not replace the current

marketing materials and configuration tools. It is intended as an extra source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

Practical Linux Forensics IBM Redbooks

This IBM® Redpaper™ publication is a

comprehensive guide covering the IBM Power System L922 (9008-22L) server, which was designed for data-intensive workloads such as databases and analytics in the Linux operating system. The objective of this paper is to introduce the major innovative Power L922 offering and its relevant functions: The new IBM POWER9™ processor, available at frequencies of 2.7 - 3.8 GHz, 2.9 - 3.8 GHz, and 3.4 - 3.9 GHz. Significantly strengthened cores and larger caches.

Two integrated memory controllers that allow double the memory footprint of IBM POWER8® processor-based servers. An integrated I/O subsystem and hot-pluggable Peripheral Component Interconnect Express (PCIe) Gen4 and Gen3 I/O slots. I/O drawer expansion options offer greater flexibility. Support for Coherent Accelerator Processor Interface (CAPI) 2.0. New feature IBM

EnergyScale™ technology provides new variable processor frequency modes that provide a significant performance boost beyond the static nominal frequency. This publication is for professionals who want to acquire a better understanding of IBM Power Systems™ products. The intended audience includes the following roles: Clients Sales and marketing professionals Technical support professionals IBM Business Partners Independent software vendors (ISVs) This paper expands the current set of IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power L922 system. This paper does not replace the current marketing materials and configuration tools. It is intended as an extra source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

IBM Redbooks

This IBM® Redpaper™ publication is a comprehensive guide that covers the IBM Power System™ E850C (8408-44E) server that supports IBM AIX®, and Linux operating systems. The objective of this paper is to introduce the major innovative Power E850C offerings and their relevant functions. The Power E850C server (8408-44E) is the latest enhancement to the Power Systems portfolio. It offers an improved 4-socket 4U system that delivers faster IBM POWER8® processors up to 4.22 GHz, with up to 4 TB of DDR4

memory, built-in IBM PowerVM® virtualization, and capacity on demand. It also integrates cloud management to help clients deploy scalable, mission-critical business applications in virtualized, private cloud infrastructures. Like its predecessor Power E850 server, which was launched in 2015, the new Power E850C server uses 8-core, 10-core, or 12-core POWER8 processor modules. However, the Power E850C cores are 13%-20% faster and deliver a system with up to 32 cores at 4.22 GHz, up to 40 cores at 3.95 GHz, or up to 48 cores at 3.65 GHz, and use DDR4 memory. A minimum of two processor modules must be installed in each system, with a minimum quantity of one processor module's cores activated. Cloud computing, in its many forms (public, private, or hybrid), is quickly becoming both the delivery and consumption models for IT. However, finding the correct mix between traditional IT, private cloud, and public cloud can be a challenge. The new Power E850C server and IBM Cloud PowerVC manager can enable clients to accelerate the transformation of their IT infrastructure for cloud while providing tremendous flexibility during the transition. IBM Cloud PowerVC Manager provides OpenStack-based cloud management to accelerate and simplify cloud deployment by providing fast and automated VM deployments, prebuilt image templates, and self-service capabilities all with an intuitive interface. PowerVC management upwardly integrates into various third-party hybrid cloud orchestration products, including IBM Cloud Orchestrator, VMware vRealize, and others. Clients can simply manage both their private cloud VMs and their public cloud VMs from a single, integrated management tool. IBM Power Systems is designed to provide the highest levels of reliability, availability, flexibility, and performance to bring you a world-class enterprise private and hybrid cloud infrastructure. Through enterprise-class security, efficient built-in virtualization that drives industry-leading workload density, and dynamic resource allocation and management, the server consistently delivers the highest levels of service across hundreds of virtual workloads on a single system. The Power E850C server includes the cloud management software and services to assist with clients' move to the cloud, both private and hybrid. Those additional capabilities include the following items: Private cloud management with IBM Cloud PowerVC Manager, Cloud-based HMC Apps as a service, and Open source cloud automation and configuration tooling for

AIX Hybrid cloud support Hybrid infrastructure management tools Securely connect system of record workloads and data to cloud native applications IBM Cloud Starter Pack Flexible capacity on demand Power to Cloud Services This publication is for professionals who want to acquire a better understanding of IBM Power Systems™ products. The intended audience includes the following roles: Clients Sales and marketing professionals Technical support professionals IBM Business Partners Independent software vendors This paper expands the current set of IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power E850C system.

A Guide for Digital Investigators IBM Redbooks

This IBM® Redbooks® publication provides an introduction to PowerVMTM virtualization technologies on Power System servers. PowerVM is a combination of hardware, firmware, and software that provides CPU, network, and disk virtualization. These are the main virtualization technologies: POWER7, POWER6, and POWER5 hardware POWER Hypervisor Virtual I/O Server Though the PowerVM brand includes partitioning, management software, and other offerings, this publication focuses on the virtualization technologies that are part of the PowerVM Standard and Enterprise Editions. This publication is also designed to be an introduction guide for system administrators, providing instructions for these tasks: Configuration and creation of partitions and resources on the HMC Installation and configuration of the Virtual I/O Server Creation and installation of virtualized partitions Examples using AIX, IBM i, and Linux This edition has been updated with the latest updates available and an improved content organization.

IBM Power 710 and 730 Technical Overview and Introduction IBM Redbooks

The ABCs of IBM® z/OS® System Programming is an 13-volume collection that provides an introduction to the z/OS operating system and the hardware architecture. Whether you are a beginner or an experienced system programmer, the ABCs collection provides the information that you need to start your research into z/OS and related subjects. If you would like to become more familiar with z/OS in your current environment, or if you are evaluating platforms to consolidate your e-business applications, the ABCs collection will serve as a powerful technical tool. This IBM Redbooks® publication, Volume 10,

provides an introduction to IBM z/Architecture®, IBM z14 processor design, IBM Z connectivity, LPAR concepts and Hardware Configuration Definition (HCD). The contents of all the volumes are as follows: Volume 1: Introduction to z/OS and storage concepts, TSO/E, ISPF, JCL, SDSF, and z/OS delivery and installation Volume 2: z/OS implementation and daily maintenance, defining subsystems, JES2 and JES3, LPA, LNKLST, authorized libraries, SMP/E, IBM Language Environment® Volume 3: Introduction to DFSMS, data set basics storage management hardware and software, catalogs, and DFSMSvts Volume 4: Communication Server, TCP/IP, and IBM VTAM® Volume 5: Base and IBM Parallel Sysplex®, System Logger, Resource Recovery Services (RRS), global resource serialization (GRS), z/OS system operations, automatic restart management (ARM), IBM Geographically Dispersed Parallel Sysplex™ (IBM GDPS®) Volume 6: Introduction to security, IBM RACF®, Digital certificates and PKI, Kerberos, cryptography and z990 integrated cryptography, zSeries firewall technologies, LDAP, and Enterprise Identity Mapping (EIM) Volume 7: Printing in a z/OS environment, Infoprint Server and Infoprint Central Volume 8: An introduction to z/OS problem diagnosis Volume 9: z/OS UNIX System Services Volume 10: Introduction to z/Architecture, z14 processor design, IBM Z connectivity, LPAR concepts, and HCD Volume 11: Capacity planning, performance management, WLM, IBM RMFTM, and SMF Volume 12: WLM Volume 13: JES3, JES3 SDSF

The IBM 700 Series IBM Redbooks

This IBM® Redpaper™ publication is a comprehensive guide covering the IBM Power 710 (8231-E1D) and Power 730 (8231-E2D) servers that support IBM AIX®, IBM i, and Linux operating systems. This paper also describes the IBM PowerLinux™ 7R1 (8246-L1D and 8246-L1T) and the PowerLinux 7R2 (8246-L2D and 8246-L2T) servers that support the Linux operating system. The goal of this paper is to introduce the innovative Power 710, Power 730, PowerLinux 7R1, and PowerLinux offerings and their major functions: IBM POWER7+™ processor is available at frequencies of 3.6 GHz, 4.2 GHz, and 4.3 GHz. Larger IBM POWER7+ Level 3 cache provides greater bandwidth, capacity, and reliability. Integrated SAS/SATA controller for HDD, SSD, tape, and DVD supports built-in hardware RAID 0, 1, and 10. New IBM PowerVM® V2.2.2 features, such as 20 LPARs per core. Improved IBM Active Memory™

Expansion technology provides more usable memory than is physically installed in the system. Professionals who want to acquire a better understanding of IBM Power Systems™ products can benefit from reading this paper. This paper

expands the current set of IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power 710 and Power 730 systems. This paper does not

replace the latest marketing materials and configuration tools. It is intended as an additional source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

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