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YARELI TAYLOR

[IBM Power System E850 Technical Overview and Introduction](#) McGraw Hill Professional
 This comprehensive guide has been fully updated to cover the latest features and tools of Oracle Real Application Clusters 12c Through clear instruction and detailed examples, Oracle Database 12c Real Application Clusters Handbook: Concepts, Administration, Tuning and Troubleshooting teaches how to build, configure, and maintain a dynamic enterprise computing infrastructure. This thoroughly revised edition covers best uses for the latest tools and features—all from the practical standpoint of a working DBA. You will discover how to prepare hardware, configure the software, optimize data integrity, and integrate seamless failover protection. Brand-new flex and large cluster technologies are explained in full detail, and readers will get complete solutions for securing data and continuing business operations in the event of hardware failure. Presents all the new information needed to effectively use Oracle Real Application Clusters 12c -considered the

most radical overhaul ever Offers detailed coverage of troubleshooting, performance tuning, and application development

Harness the Power of Big Data The IBM Big Data Platform McGraw Hill Professional
 This IBM® Redbooks® publication provides information about installation and migration changes to be aware of if you are responsible for migrating systems from IBM z/OS® V1R10, z/OS V1R11, and z/OS V1R12 to z/OS V1R13. It also highlights actions that are needed to prepare for the installation of z/OS V1R12, including ensuring driving system and target system requirements are met and coexistence requirements are satisfied. There is a special focus on identifying new migration actions that must be performed for selected elements when migrating to z/OS V1R13. The book addresses the following topics: - z/OS V1R13 overview, z/OS V1R13 installation, managing volume backups with fast replication, XCF enhancements, console service enhancements - DFSMSdftp, DFSMSoam, DFSMSshm, ISPF enhancements, DFSMSrmm enhancements, establishing IBM RACF® security for RRSF TCP/IP connections - GRS enhancements, BCP supervisor, contents supervisor and RSM updates, improved channel recovery,

Service aids enhancements, System Logger - SMF - z/OS UNIX System Services, z/OS UNIX-related applications, RRS, z/OS Management Facility, z/OS HCD and HCM, C language - Storage management enhancements, Common Information Model, Predictive Failure Analysis, Extended Address Volume, BCPII, Capacity Provisioning - System SSL enhancements, UNICODE, IBM Language Environment®, SDSF enhancements, JES2 enhancements, JES3 enhancements, IBM RMFTM enhancements - IBM WebSphere® Application Server OEM, z/OSMF, CIM, and Capacity Provisioning setups - BCPII Metal C example

IBM Db2 11.1 Certification Guide IBM Press

The Easy, Visual Introduction to IBM DB2 Version 10.5 for Linux, UNIX, and Windows Foreword by Judy Huber, Vice President, Distributed Data Servers and Data Warehousing; Director, IBM Canada Laboratory This book covers everything you need to get productive with the latest version of IBM DB2 and apply it to today's business challenges. It discusses key features introduced in DB2 Versions 10.5, 10.1, and 9.7, including improvements in manageability, integration, security, Big Data support, BLU Acceleration, and cloud computing. DB2 Essentials illuminates key concepts

with examples drawn from the authors' extensive experience with DB2 in enterprise environments. Raul F. Chong and Clara Liu explain how DB2 has evolved, what's new, and how to choose the right products, editions, and tools. Next, they walk through installation, configuration, security, data access, remote connectivity, and day-to-day administration. Each chapter starts with an illustrative overview to introduce its key concepts using a big picture approach. Clearly explained figures are used extensively, and techniques are presented with intuitive screenshots, diagrams, charts, and tables. Case studies illustrate how "theory" is applied in real-life environments, and hundreds of review questions help you prepare for IBM's newest DB2 certification exams. Coverage includes • Understanding the role of DB2 in Big Data • Preparing for and executing a smooth installation or upgrade • Understanding the DB2 environment, instances, and databases • Configuring client and server connectivity • Working with database objects • Getting started with BLU Acceleration • Implementing security: authentication and authorization • Understanding concurrency and locking • Maintaining, backing up, and recovering data • Using basic SQL in DB2 environments • Diagnosing and solving DB2 problems This book is for anyone who plans to work with DB2, including DBAs, system administrators, developers, and consultants. It will be a great resource whether you're upgrading from an older version of DB2, migrating from a competitive database, or learning your first database platform.

[IBM PureApplication System Best Practices](#) Springer Nature

The Temenos T24 core banking application is a critical application for the banks that use it and has a primary focus on providing an appropriate level of high availability and disaster recovery. The level of availability is determined largely by the configuration of the infrastructure that supports T24. This infrastructure is built on hardware, middleware, and networking, in addition to the operational procedures and practices that are used to operate T24. Many options are available for meeting a client's high availability and disaster recovery requirements. The solution chosen by a Temenos T24 user depends on many factors. These factors include a user's detailed availability and recovery requirements; their existing datacenter standards, practices, and processes; and the available network infrastructure. Therefore, the optimum solution must be determined on a case-by-case basis for each deployment. This IBM® Redpaper™ publication serves as a guide to help IT architects and other technical staff who are designing, configuring, and building the infrastructure to support Temenos T24. It shows how IBM software can deliver high availability and disaster recovery for Temenos T24 to meet a client's requirements. This software might run on IBM AIX®, IBM WebSphere® Application Server, WebSphere MQ Server, and IBM DB2®. These IBM software components are typically used for a Temenos T24 deployment on an IBM middleware stack to ensure a highly available infrastructure for T24.

[DB2 pureScale: Risk Free Agile Scaling](#) CRC Press

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 Technical Computing Clouds](#) IBM Redbooks

This IBM® Redpaper™ publication provides a broad understanding of a new architecture of the IBM Power System E980 (9080-M9S) server that supports IBM AIX®, IBM i, and Linux operating systems (OSes). The objective of this paper is to introduce the major innovative Power E980 offerings and relevant functions: The IBM POWER9™ processor, which is available at frequencies of 3.55 - 4.0 GHz. Significantly strengthened cores and larger caches. Supports up to 64 TB memory. Integrated I/O subsystem and hot-pluggable Peripheral Component Interconnect Express (PCIe) Gen4 slots, double the bandwidth of Gen3 I/O slots. Supports EXP12SX and ESP24SX external disk drawers, which have 12 Gb SAS interfaces and double the existing EXP24S drawer bandwidth. 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 IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power E980 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.

[SAP Database Administration with IBM DB2](#) IBM Redbooks

When you're working with IBM DB2, you're responsible for maintaining the Rolls Royce of the SAP-certified database systems. This book makes sure you won't drive it into the ditch: It is your reliable companion in all daily tasks, from setup to decommissioning. Learn how SAP and DB2 work together, see all administration tools in action, discover strategies for troubleshooting, and acquire key skills for backup and restore options. Your non-stop guide to a safe ride!

[IBM Power System E850C Technical Overview and Introduction](#) IBM Redbooks

This IBM® Redbooks® publication can help you install, tailor, and configure the new IBM PowerHA® Version 7.1.3, and understand new and improved features such as migrations, cluster administration, and advanced topics like configuring in a virtualized environment including workload partitions (WPARs). With this book, you can gain a broad understanding of the IBM PowerHA SystemMirror® architecture. If you plan to install, migrate, or administer a high availability cluster, this book is right for you. This book can help IBM AIX® professionals who seek a comprehensive and task-oriented guide for developing the knowledge and skills required for PowerHA cluster design, implementation, and daily system administration. It provides a combination of theory and practical experience. This book is targeted toward technical professionals (consultants, technical support staff, IT architects, and IT specialists) who are responsible for providing high availability solutions and support with the IBM PowerHA SystemMirror Standard on IBM POWER® systems.

[Implementing the IBM General Parallel File System \(GPFS\) in a Cross Platform Environment](#) IBM Redbooks

This IBM® Redbooks® publication provides a documented deployment model for IBM GPFS™ in a cross-platform environment with IBM Power Systems™, Linux, and Windows servers. With IBM GPFS, customers can have a planned foundation for file systems management for cross-platform access solutions. This book examines the functional, integration, simplification, and usability changes with GPFS v3.4. It can help the technical teams provide file system management solutions and technical support with GPFS, based on Power Systems virtualized environments for cross-platform file systems management. The book provides answers to your complex file systems management requirements, helps you maximize file system availability, and provides expert-level documentation to transfer the how-to skills to the worldwide support teams. The audience for this book is the technical professional (IT consultants, technical support staff, IT architects, and IT specialists) who is responsible for providing file system management solutions and support for cross-platform environments that are based primarily on Power Systems.

[IBM Db2 Mirror for i Getting Started](#) CRC Press

Extreme Availability and Scalability--Up and Running With DB2 pureScale DB2 is a leading-edge hybrid data server that offers optimum storage, scalability, and availability. DB2 pureScale is a new technology primarily optimized for scale-out transactional processing clusters in an active-active manner. This succinct guide will show you how DB2 with pureScale can deliver transparent application scalability, the ability to deliver agile-like computing to your transaction systems, and extreme availability. This book, together with IBM DB2 9 New Features (McGraw-Hill, 2007) and Break Free with DB2 9.7 (McGraw-Hill, 2009), provides you with the comprehensive knowledge you need to get started with the latest DB2 release. Try the new features by downloading DB2 Express-C 9.7--it is free to develop, deploy, and distribute (with no user and database size limitations) and features pureXML technology. Go to ibm.com/db2/express. Discover the benefits your business can achieve with the agility provided by DB2 pureScale Find out how applications can be transparently scaled Reduce the risk and cost of business growth through unlimited capacity

[Delivering Continuity and Extreme Capacity with the IBM DB2 pureScale Feature](#) IBM Redbooks

Gain Critical Insight into the Parallel I/O Ecosystem Parallel I/O is an integral component of modern high performance computing (HPC), especially in storing and processing very large datasets to facilitate scientific discovery. Revealing the state of the art in this field, High Performance Parallel I/O draws on insights from leading practitioners,

[Computer Organisation and Architecture](#) IBM Redbooks

Leverage the low-code/no-code approach in IBM Cloud Pak for business automation to accelerate your organization's digital transformation Purchase of the print or Kindle book includes a free eBook PDF Key Features Get a comprehensive understanding of IBM Cloud Pak for Business Automation Take a deep dive into insights on RPA, workflow automation, and automated decisions Deploy and manage production-grade automated solutions for scalability, stability, and

performance Book Description COVID-19 has made many businesses change how they work, change how they engage their customers, and even change their products. Several of these businesses have also recognized the need to make these changes within days as opposed to months or weeks. This has resulted in an unprecedented pace of digital transformation; and success, in many cases, depends on how quickly an organization can react to real-time decisions. This book begins by introducing you to IBM Cloud Pak for Business Automation, providing a hands-on approach to project implementation. As you progress through the chapters, you'll learn to take on business problems and identify the relevant technology and starting point. Next, you'll find out how to engage both the business and IT community to better understand business problems, as well as explore practical ways to start implementing your first automation project. In addition, the book will show you how to create task automation, interactive chatbots, workflow automation, and document processing. Finally, you'll discover deployment best practices that'll help you support highly available and resilient solutions. By the end of this book, you'll have a firm grasp on the types of business problems that can be solved with IBM Cloud Pak for Business Automation. What you will learn Understand key IBM automation technologies and learn how to apply them Cover the end-to-end journey of creating an automation solution from concept to deployment Understand the features and capabilities of workflow, decisions, RPA, business applications, and document processing with AI Analyze your business processes and discover automation opportunities with process mining Set up content management solutions that meet business, regulatory, and compliance needs Understand deployment environments supported by IBM Cloud Pak for Business Automation Who this book is for This book is for robotic process automation (RPA) professionals and automation consultants who want to accelerate the digital transformation of their businesses using IBM automation. This book is also useful for solutions architects or enterprise architects looking for best practices to build resilient and scalable AI-driven automation solutions. A basic understanding of business processes, low-code visual modeling techniques, RPA, and AI concepts is assumed. **IBM Optim Performance Manager for DB2 for Linux, UNIX, and Windows** IBM Redbooks This IBM® Redbooks® publication highlights IBM Technical Computing as a flexible infrastructure for clients looking to reduce capital and operational expenditures, optimize energy usage, or re-use the infrastructure. This book strengthens IBM SmartCloud® solutions, in particular IBM Technical Computing clouds, with a well-defined and documented deployment model within an IBM System x® or an IBM Flex System™. This provides clients with a cost-effective, highly scalable, robust solution with a planned foundation for scaling, capacity, resilience, optimization, automation, and monitoring. This book is targeted toward technical professionals (consultants, technical support staff, IT Architects, and IT Specialists) responsible for providing cloud-computing solutions and support.

[Building a Columnar Database on RAMCloud](#) 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.

Database Systems for Advanced Applications IBM Redbooks

IBM® Workload Deployer provides a solution to creating, deploying, and managing workloads in an on-premise or private cloud. It is rich in features that allow you to quickly build and deploy virtual systems from base images, to extend those images, and to customize them for future use as repeatable deployable units. IBM Workload Deployer also provides an application-centric capability enabling rapid deployment of business applications. By using either of these deployment models, an organization can quickly instantiate a complete application platform for development, test, or production. The IBM Workload Deployer uses the concept of patterns to describe the logical configuration of both the physical and virtual assets that comprise a particular solution. The use of patterns allows an organization to construct a deployable solution one time, and then dispense the final product on demand. patterns are composed of an operating system and IBM software solutions, such as IBM WebSphere® Application Server and IBM WebSphere Virtual Enterprise. patterns are constructed to support a single application workload. The IBM Workload Deployer is shipped with a set of pre-loaded virtual images and virtual patterns. These images and patterns can be used to create comprehensive and flexible middleware solutions. They can also be cloned and customized to suit your specific needs. This IBM Redbooks® publication looks at two different aspects of customizing virtual systems for deployment into the cloud. First, it explores the capabilities of IBM Image Construction and Composition Tool to build and provide highly customized virtual images for use in virtual system patterns on the IBM Workload Deployer. Next, it looks at the virtual application capabilities of the IBM Workload Deployer, including those capabilities that allow you to deploy enterprise applications and database services to the cloud. It also introduces the IBM Workload Deployer Plugin Development Kit, which allows you to further extend the capabilities of the virtual application patterns.

High Availability and Disaster Recovery for Temenos T24 with IBM DB2 and AIX IBM

Related with Db2 Purescale Architecture Ibm:

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Redbooks

This IBM® Redbooks® publication describes IBM DB2® SQL compatibility features. The latest version of DB2 includes extensive native support for the PL/SQL procedural language, new data types, scalar functions, improved concurrency, built-in packages, OCI, SQLPlus, and more. These features can help with developing applications that run on both DB2 and Oracle and can help simplify the process of moving from Oracle to DB2. In addition, IBM now provides tools to simplify the enablement process, such as the highly scalable IBM Data Movement Tool for moving schema and data into DB2, and an Editor and Profiler for PL/SQL provided by the IBM Data Studio tool suite. This Oracle to DB2 migration guide describes new technology, preferred practices for moving to DB2, and common scenarios that can help you as you move from Oracle to DB2. This book is intended for IT architects and developers who are converting from Oracle to DB2. DB2 compatibility with Oracle is provided through native support. The new capabilities in DB2 that provide compatibility are implemented at the lowest and most intimate levels of the database kernel, as though they were originally engineered for DB2. means that the DB2 implementation is done without the aid of an emulation layer. This intimacy leads to the scalable implementation that DB2 offers, providing identical performance between DB2 compatibility features and DB2 other language elements. For example, DB2 runs SQL PL at the same performance as PL/SQL implementations of the same function.

IBM Workload Deployer: Pattern-based Application and Middleware Deployments in a Private Cloud IBM Redbooks

This IBM Redbooks publication describes and demonstrates common, prescriptive scenarios for setting up disaster recovery for common workloads using IBM WebSphere Application Server, IBM DB2, and WebSphere MQ between two IBM PureApplication System racks using the features in PureApplication System V2. The intended audience for this book is pattern developers and operations team members who are setting up production systems using software patterns from IBM that must be highly available or able to recover from a disaster (defined as the complete loss of a data center).

z/OS Version 1 Release 13 Implementation IBM Redbooks

The pressures related to managing transactional databases are increasing rapidly. Business growth, the drive to consolidate databases, and the need to deploy new, data-intensive technologies are fostering the massive expansion of data volumes and application workloads. At the same time, the move toward real-time computing requires faster and more reliable data access, especially when databases are used to drive client-facing applications. Businesses need simpler and more cost-effective strategies for expanding their database environment. IBM and Intel® provide an answer to this challenge with the IBM DB2® pureScale™ feature and the latest generation of IBM System x eX5 servers based on the Intel Xeon® E7 processor family. The combined solution enables clients to scale mission-critical, performance-sensitive databases simply, using affordable, industry-standard servers. This IBM® Redpaper™ publication describes an IBM solution containing high availability and scalability for mission-critical databases on System x®. The audience includes executives and other decision-makers, consultants, and architects. *Oracle Database 12c Release 2 Real Application Clusters Handbook: Concepts, Administration, Tuning & Troubleshooting* Packt Publishing Ltd

This IBM® Redpaper™ publication is a comprehensive guide that covers the IBM Power® System E870C (9080-MME) and IBM Power System E880C (9080-MHE) servers that support IBM AIX®, IBM i, and Linux operating systems. The objective of this paper is to introduce the major innovative Power E870C and Power E880C offerings and their relevant functions. The new Power E870C and Power E880C servers with OpenStack-based cloud management and open source automation enables clients to accelerate the transformation of their IT infrastructure for cloud while providing tremendous flexibility during the transition. In addition, the Power E870C and Power E880C models provide clients increased security, high availability, rapid scalability, simplified maintenance, and management, all while enabling business growth and dramatically reducing costs. The systems management capability of the Power E870C and Power E880C servers speeds up and simplifies cloud deployment by providing fast and automated VM deployments, prebuilt image templates, and self-service capabilities, all with an intuitive interface. Enterprise servers 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 E870C and Power E880C server includes the cloud management software and services to assist with clients' move to the cloud, both private and hybrid. The following capabilities are included: 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 paper expands the current set of IBM Power Systems™ documentation by providing a desktop reference that offers a detailed technical description of the Power E870C and Power E880C systems. This paper does not replace the latest marketing materials and configuration tools. It is intended as another source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

High Performance Parallel I/O Addison-Wesley

The IBM® DB2® pureScale® feature offers clustering technology that helps deliver high availability and exceptional scalability transparent to applications. The DB2 pureScale feature helps you to meet your business needs around availability and scalability, and is also easy to configure and administer. This IBM Redbooks® publication addresses the DB2 pureScale feature that is available in IBM DB2 10.1 for Linux, UNIX, and Windows operating systems. It can help you build skills and deploy the DB2 pureScale feature. This book bundles all the information necessary for a in-depth analysis into the functions of the DB2 pureScale feature, including the actual hardware requirements. It includes validated step-by-step hardware and software installation instructions. In addition, this book provides detailed examples about how to work effectively with a DB2 pureScale cluster and how to plan and run an upgrade for all DB2 related components to DB2 10.1. This book is intended for database administrators (DBAs) who use IBM DB2 10.1 for Linux, UNIX, and Windows operating systems who want to explore and get started with the DB2 pureScale feature.