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"As an author, editor, and publisher, I never paid much attention to the competi tion—except in a few cases. This is one of those cases. The UNIX System

Administration

Handbook is one of the few books we ever measured ourselves against." —Tim O'Reilly, founder of O'Reilly Media "This edition is for those whose systems

live in the cloud or in virtualized data centers; those whose administrative work largely takes the form of automation and configuration source code; those who collaborate closely with developers, network engineers, compliance officers, and all the other worker bees who inhabit the modern hive.”
—Paul Vixie,
Internet Hall of Fame-recognized innovator and founder of ISC and Farsight Security “This book is fun and

functional as a desktop reference. If you use UNIX and Linux systems, you need this book in your short-reach library. It covers a bit of the systems’ history but doesn’t bloviate. It’s just straight-forward information delivered in a colorful and memorable fashion.”
—Jason A. Nunnelley
UNIX® and Linux® System Administration Handbook, Fifth Edition, is today’s definitive guide to installing, configuring,

and maintaining any UNIX or Linux system, including systems that supply core Internet and cloud infrastructure. Updated for new distributions and cloud environments, this comprehensive guide covers best practices for every facet of system administration, including storage management, network design and administration, security, web hosting, automation, configuration management, performance analysis,

virtualization, efficiency and
 DNS, security, help solve your
 and the knottiest
 management of problems.
 IT service **IBM E-server**
 organizations. **XSeries 445**
 The authors—wor **Planning and**
 ld-class, hands **Installation Guide**
 on technologist **IBM Redbooks**
 s—offer **The IBM® Hardware**
 indispensable **Management Console**
 new coverage of (HMC) provides to
 cloud systems
 platforms, the administrators a tool
 DevOps for planning,
 philosophy, deploying, and
 continuous managing IBM
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 tainerization, servers. This IBM
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 many other publication is an
 essential extension of IBM
 topics. **Power Systems HMC**
 Whatever your **Implementation and**
 role in running **Usage Guide,**
 systems and **SG24-7491** and also
 networks built merges updated
 on UNIX or information from
 Linux, this **IBM Power Systems**
 conversational, **Hardware**
 well-written **Management**
 ;guide will **Console: Version 8**
 improve your **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,
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 PowerVM
 Virtualization
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 Configuration,
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 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
Implementation
Guide for IBM
Blockchain
Platform for

Multicloud IBM
Redbooks
This IBM®
Redpaper™
publication will
guide the user
through the
installation,
configuration,
and
administration
of IBM
Communications
Server for Data
Center
Deployment
V7.0. It is not
intended to be
all-inclusive.
Rather, it builds
on previous
publications
referenced
throughout the
document. The
focus is on the
consolidation of
Systems
Network
Architecture

(SNA)
resources, key
features and
functions
available in IBM
Communications
Server for Data
Center
Deployment, and
the Web
Administration
package specific
to the Linux
platform.
Fast and Scalable
Cloud Data
Management John
Wiley & Sons
In this IBM®
Redbooks®
publication, we focus
on, and provide an
overview of, the high
availability and
Enterprise
Replication features
of IBM Informix®
11.70. Informix
provides solutions for
making data highly
available in the

MACH11 cluster. The components of the MACH11 cluster include High Availability Data Replication (HDR), Shared Disk Secondary (SDS), and Remote Secondary Standby (RSS) servers. Enterprise Replication (ER) provides a means of selectively replicating data between systems in near real time. The Informix Flexible Grid eliminates the administrative complexity of ER. Flexible Grid provides the ability to automatically create database objects, such as tables, indexes, and stored procedures, on all nodes within the grid as a single operation. These enhanced Enterprise Replication features provide solutions for those customers

requiring reliable and quick dissemination of data across a global organization. There is also enhanced capability for customers requiring High Availability Disaster Recovery, in the form of the ability to resend primary server indexes to secondary servers without requiring a rebuild of the index on the primary server. Capabilities such as these enable faster, easier, and more reliable distribution and high availability of data, resulting in improved access and use throughout the enterprise.

[IBM Communications Server for Data Center Deployment V7.0](#) Addison-

Wesley Professional This IBM® Redbooks® publication is Volume 4 of a series of books entitled The Virtualization Cookbook for IBM z Systems. The other volumes in the series are: The Virtualization Cookbook for IBM z Systems Volume 1: IBM z/VM 6.3, SG24-8147 The Virtualization Cookbook for IBM z Systems Volume 2: Red Hat Enterprise Linux 7.1 Servers, SG24-8303 The

Virtualization Cookbook for IBM z Systems Volume 3: SUSE Linux Enterprise Server 12, SG24-8890 It is advised that you start with Volume 1 of this series, because the IBM z/VM® Hypervisor is the foundation for installing Linux on IBM zTM Systems.

Microsoft SQL Server 2019: A Beginner's Guide, Seventh Edition IBM.Com/Redbooks IBM® Systems Director is a platform management foundation that

streamlines the way that physical and virtual systems are managed. Using industry standards, IBM Systems Director supports multiple operating systems and virtualization technologies. This paper provides guidance and preferred practices about how to install and configure IBM Systems Director Version 6.3. Also, installation guidance, fundamental topics, such as discovery and inventory, and

more advanced topics, such as troubleshooting and automation, are covered. This paper is meant to be a partner to the comprehensive documentation in the IBM Systems Director Information Center. This paper is aimed at IT specialists who are planning to install and configure IBM Systems Director on Microsoft Windows, Linux, or IBM AIX®.

IBM Power Systems Hardware Management Console:

Version 8 Release

8.1.0

Enhancements

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 Informix

Flexible Grid:

Extending Data

Availability IBM

Redbooks

Ubuntu Server is a

complete, free

server operating

system that just

works, with the

extra Ubuntu

polish, innovation,

and simplicity that

administrators love.

Now, there's a

definitive,

authoritative guide

to getting up-and-

running quickly with

the newest, most

powerful versions of

Ubuntu Server.

Written by leading

members of the

Ubuntu community,

The Official Ubuntu

Server Book covers

all you need to

know to make the

most of Ubuntu

Server, whether

you're a beginner

or a battle-hardened

senior system

administrator. The

authors cover

Ubuntu Server from

start to finish:

installation, basic

administration and

monitoring, security,

backup,

troubleshooting,

system rescue, and

much more. They

walk through

deploying each of

the most common

server applications, from file and print services to state-of-the-art, cost-saving virtualization. In addition, you'll learn how to Make the most of Ubuntu Server's latest, most powerful technologies Discover easy, fast ways to perform key administration tasks Automate Ubuntu installs, no matter how many servers you're installing Quickly set up low-cost web servers and email Protect your server with Ubuntu's built-in and optional security tools Minimize downtime with fault tolerance and clustering Master proven, step-by-step server and network troubleshooting techniques Walk

through rescuing an Ubuntu server that won't boot
IBM Systems Director 6.3 Best Practices: Installation and Configuration IBM Redbooks
As world activities become more integrated, the rate of data growth has been increasing exponentially. And as a result of this data explosion, current data management methods can become inadequate. People are using the term big data (sometimes referred to as Big Data) to describe this latest industry trend. IBM® is

preparing the next generation of technology to meet these data management challenges. To provide the capability of incorporating big data sources and analytics of these sources, IBM developed a stream-computing product that is based on the open source computing framework Apache Hadoop. Each product in the framework provides unique capabilities to the data management environment, and further enhances the value of your data warehouse investment. In this IBM Redbooks®

publication, we describe the need for big data in an organization. We then introduce IBM InfoSphere® BigInsights™ and explain how it differs from standard Hadoop. BigInsights provides a packaged Hadoop distribution, a greatly simplified installation of Hadoop and corresponding open source tools for application development, data movement, and cluster management. BigInsights also brings more options for data security, and as a component of the IBM big data

platform, it provides potential integration points with the other components of the platform. A new chapter has been added to this edition. Chapter 11 describes IBM Platform Symphony®, which is a new scheduling product that works with IBM Insights, bringing low-latency scheduling and multi-tenancy to IBM InfoSphere BigInsights. The book is designed for clients, consultants, and other technical professionals. *Introducing Linux Distros* IBM Redbooks This IBM®

Redbooks® publication describes the positioning of the IBM Systems Director in the complete management range. It also compares the IBM Systems Director with the IBM Flex Systems Manager (FSM) and describes the environments for which each tool is best suited. This publication helps you plan, install, tailor, and configure the IBM Systems Director on different platforms. It contains information about required system resources and which network

ports are used. It shows how to use the Workload Estimator to select the appropriate hardware for IBM Systems Director server and provides information about the IBM Systems Director Editions. Best practices are covered for the basic management tasks that are available in IBM Systems Director, including how to perform discovery; how to collect inventory on discovered resources; how to deploy agent, driver, and firmware updates; how to manage hardware events;

and other miscellaneous tasks. An overview of best practices is provided for using IBM Systems Director VMControlTM. Systems Director VMControl is a cross-platform product that assists you in rapidly deploying virtual appliances to create virtual servers that are configured with the operating system and software applications that you want. It also enables you to group resources into system pools, which enable you to centrally manage and control the

different workloads in your environment. The following plug-in offerings are described: Energy monitoring and management features offered by IBM Systems Director Active Energy ManagerTM along with the best practice, which needs to be followed in using the IBM Systems Director Active Energy Manager. The IBM AIX® Profile Manager is a tool that can help implement and monitor the security of all AIX servers in a production environment but also implement

and monitor the system compliance of those AIX servers. Best practices and the most important questions to ask before creating Workload Partition Manager (WPAR) and WPAR Manager infrastructure. In addition, how you can manage and relocate WPARs using WPAR Manager graphical interface and the command-line interface. Network Control basic functionalities and how to plan for Network Control deployments and also a number of common scenarios with best practices.

The IBM Systems Director Service and Support Manager describes how to set up and how to handle serviceable events. Best practices for the Storage Monitoring and Management capabilities offered by IBM Systems Director server. This book is for IBM IT specialists and IT architects, IBM Business Partners, and clients, who are utilizing or considering implementing IBM Systems Director. [IBM InfoSphere Information Server Deployment Architectures](#) IBM Redbooks

A fast paced guide that will help you to create, read, update and delete data using MongoDB Key Features Create secure databases with MongoDB Manipulate and maintain your database Model and use data in a NoSQL environment with MongoDB Book Description MongoDB has grown to become the de facto NoSQL database with millions of users, from small start-ups to Fortune 500 companies. It can solve problems that are considered difficult, if not impossible, for aging RDBMS technologies. Written for version 4 of MongoDB, this book is the easiest way to get started

with MongoDB. You will start by getting a MongoDB installation up and running in a safe and secure manner. You will learn how to perform mission-critical create, read, update, and delete operations, and set up database security. You will also learn about advanced features of MongoDB such as the aggregation pipeline, replication, and sharding. You will learn how to build a simple web application that uses MongoDB to respond to AJAX queries, and see how to make use of the MongoDB programming language driver for PHP. The examples incorporate new features available in MongoDB version 4

where appropriate. What you will learnGet a standard MongoDB database up and running quicklyPerform simple CRUD operations on the database using the MongoDB command shellSet up a simple aggregation pipeline to return subsets of data grouped, sorted, and filteredSafeguard your data via replication and shardingPublish data from a web form to the database using a program language driverExplore the basic CRUD operations performed using the PHP MongoDB driverWho this book is for Web

developers, IT professionals and Database Administrators (DBAs) who want to learn how to create and manage MongoDB databases. [The Official Ubuntu Server Book](#) McGraw Hill Professional PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more

from technology. *PC Magazine* IBM Redbooks Learn how to deploy and configure all the available Citrix NetScaler features with the best practices and techniques you need to know About This Book Implement and configure all the available NetScaler Application Delivery features and monitor NetScaler VPX performance in your environment Packed with real-world NetScaler deployment scenarios to help you see the configuration principles in

action Integrate NetScaler with other Citrix technologies, including CloudBridge, Application Delivery Controller, HDX Insight, and Command Center Who This Book Is For If you're an administrator with prior experience using NetScaler then you have everything you need to make the most of this book. What You Will Learn Configure the more commonly used NetScaler VPX features such as basic load balancing, authentication, NetScaler

Gateway, and StoreFront Configure the AppExpert features such as Responder, Rewrite, AppExpert templates, parsing HTTP, TCP, and UDP data Integrate NetScaler with other Citrix technologies such as CloudBridge, Insight Center, and Command Center Optimize traffic using caching, front-end optimization, and compression Dive deep in the security, caching, and compression enhancements Protect your environment with AAA and

Application Firewall, or from HTTP DDoS attacks Troubleshoot an environment using tools such as TaaS and WireShark In Detail Citrix NetScaler is one of the best Application Delivery Controller products in the world. The Application Delivery Controllers are commonly used for load balancing purposes, to optimize traffic, and to perform extra security settings. This book will give you an insight into all the available features that the Citrix

NetScaler appliance has to offer. The book will start with the commonly used NetScaler VPX features, such as load balancing and NetScaler Gateway functionality. Next, we cover features such as Responder, Rewrite, and the AppExpert templates, and how to configure these features. After that, you will learn more about the other available Citrix technologies that can interact with Citrix NetScaler. We also cover troubleshooting, optimizing traffic, caching,

performing protection using Application Firewall, and denying HTTP DDoS attacks for web services. Finally, we will demonstrate the different configuration principles real-world Citrix NetScaler deployment scenarios. Style and approach This easy-to-follow guide explains as much as possible about each feature and its configuration. Each topic is explained sequentially in the process of configuring and deploying the feature.

Mastering NetScaler VPX™ IBM Redbooks Your one-stop reference for Windows Server 2019 and PowerShell know-how Windows Server 2019 & PowerShell All-in-One For Dummies offers a single reference to help you build and expand your knowledge of all things Windows Server, including the all-important PowerShell framework. Written by an information security pro and professor who trains aspiring system administrators, this book covers the broad range of topics a system administrator needs to know to run

Windows Server 2019, including how to install, configure, and secure a system. This book includes coverage of: Installing & Setting Up Windows Server Configuring Windows Server 2019 Administering Windows Server 2019 Configuring Networking Managing Security Working with Windows PowerShell Installing and Administering Hyper-V Installing, Configuring, and Using Containers If you're a budding or experienced system administrator looking to build or expand your knowledge of Windows Server, this book has you covered.

IBM FlashSystem 9100 Architecture, Performance, and Implementation Packt Publishing Ltd IBM Blockchain Platform for Multicloud enables users to deploy the platform across public and private clouds, such as the IBM Cloud™, your own data center, and third-party public clouds, such as AWS and Microsoft Azure. It provides a blockchain console user interface that you can use to deploy and manage blockchain components on an IBM Cloud

Private cluster. This IBM Redbooks™ publication discusses the major features, use case scenarios, deployment options, configuration details, performance and scalability considerations of IBM Blockchain Platform for Multicloud. We also cover step-by-step implementation details for both Secure Service Container and non-Secure Service Container environments. You also learn about the benefits of deploying and

using a blockchain production run environment on LinuxONE. The target audience for this book is blockchain deployment specialists, developers and solution architects. [IBM WebSphere Application Server Liberty Profile Guide for Developers](#) Apress IBM® WebSphere® Application Server V8.5 includes a Liberty profile, which is a highly composable, non-dynamic application server profile. It is designed for two specific use cases: Developer with a smaller

time, and production environments. For a developer, it focuses on the tasks that a developer does most frequently and makes it possible for the developer to complete those tasks as quickly and as simply as possible. For production environments, it provides a dynamic, small footprint run time to be able to maximize system resources. This IBM Redbooks® publication provides you with information to effectively use the WebSphere

Application Server V8.5 Liberty profile along with the WebSphere Application Server Developer Tools for Eclipse, for development and testing of web applications that do not require a full Java Platform. It provides a quick guide on getting started, providing a scenario-based approach to demonstrate the capabilities of the Liberty profile along with the developer tools. This provides a simplified, but comprehensive, application development and testing environment. The intended audience

for this book is developers of web and Open Services Gateway initiative (OSGi) applications who are familiar with web and OSGi application concepts. This book has been updated to reflect the new features in WebSphere Application Server.

IBM FlashSystem 5000 and 5200 for Mid-Market IBM

An efficiently performing Server is a key for success in any visualization application. This book acts as a step-by-step guide for implementing Tableau Server. It provides A-Z details, from Installation,

Managing Content, Security to Branding and much more. It also gives you a good insight into command line utilities. The book provides plenty of exercises which help in understanding and practicing the concepts. Each chapter is accompanied with step-by-step exercises. Who needs this book? This book is for professionals who want to learn about implementing Tableau Server in a business environment. It is useful for Tableau Server administrators, Site Administrators, Developers and Analysts. About this book Chapter1. Overview This

Chapter provides an overview of Tableau environment, Tableau desktop and Tableau Server. Chapter2. Installing Tableau Server This chapter will help you in installing the Tableau Server on a single machine and in a distributed environment. Chapter3. Tableau Server Workspace In this chapter learn all the aspects of Tableau Server User interface. Chapter4. Security This chapter deals with securing the Tableau server environment. Chapter5. Managing Sites This chapter provides details on how to create and maintain a Site in Tableau. Chapter6. Branding This

chapter provides information on how to change the look and feel of the Tableau Server interface. Chapter7. Performance and Monitoring This chapter provides tips on how to improve performance and monitoring of the server. Chapter8. Backup and Restore This chapter provides details on taking server backup and restoring the server in case of system failure. Chapter9. Log files This chapter provides details on all the types of log files in Tableau. Chapter10. Command Line Utilities This chapter provides details on how to use command line

utilities viz. tabcmd and tabadmin to manage the server. Chapter11. Javascript API This chapter provides details on how to use javascript API. Chapter12. Managing Content This chapter provides details on how to create users, Projects, and Groups. It also details on publishing and securing views. This chapter also provide an overview of web authoring in Tableau. How to use this Book This book gives all the concepts related to Tableau Server. To recreate scenarios presented in this book, use Tableau Server or Tableau Online. A two-week trial version of Tableau Server can

be downloaded from <http://www.tableau.com/products/> The book also makes use of Tableau desktop. Tableau desktop is used to publish data sources and views on the server. Download Tableau desktop from <http://www.tableau.com/products/> To gain detailed understanding of designing visualization using Tableau desktop, visit <http://www.tableau.com/learn/training> for free online videos provided by Tableau. You can also refer my book *Tableau 10 for Beginners*, available on Amazon.

The Virtualization Cookbook for IBM z Systems

Volume 4: Ubuntu Server 16.04 IBM Redbooks Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Get Up to Speed on Microsoft® SQL Server® 2019 Quickly and Easily Start working with Microsoft SQL Server 2019 in no time with help from this

thoroughly revised, practical resource. Filled with real-world examples and hands-on exercises, *Microsoft SQL Server 2019: A Beginner's Guide, Seventh Edition* starts by explaining fundamental relational database system concepts. From there, you'll learn how to write Transact-SQL statements, execute simple and complex database queries, handle system administration and security, and

use powerful analysis and reporting tools. New topics such as SQL and JSON support, graph databases, and support for machine learning with R and Python are also covered in this step-by-step tutorial. • Install, configure, and customize Microsoft SQL Server 2019 • Create and modify database objects with Transact-SQL statements • Write stored procedures and user-defined functions • Handle backup

and recovery, and automate administrative tasks • Tune your database system for optimal availability and reliability • Secure your system using authentication, encryption, and authorization • Work with SQL Server Analysis Services, Reporting Services, and other BI tools • Gain knowledge of relational storage, presentation, and retrieval of data stored in the JSON format • Manage graphs

using SQL Server Graph Databases • Learn about machine learning support for R and Python *IBM Systems Director 6.3 Best Practices* IBM Redbooks Typical deployment architectures introduce challenges to fully using the shared metadata platform across products, environments, and servers. Data privacy and information security requirements add even more levels of

complexity. IBM® metadata capabilities of the effectively use
InfoSphere® capabilities of the the functionality
Information platform, and of your
Server provides support Information
a development Server product
comprehensive, lifecycle, data modules and
metadata-driven privacy, components to
platform for information successfully
delivering trusted security, high achieve your
information availability, and business goals.
across performance This book is for
heterogeneous requirements. IT architects,
systems. This This book can information
IBM Redbooks® help you management
publication evaluate and integration
presents information specialists, and
guidelines and requirements to system
criteria for the determine an administrators
successful appropriate who are
deployment of deployment responsible for
InfoSphere architecture, delivering the full
Information based on suite of
Server guidelines that information
components in are presented integration
typical logical here, and that capabilities of
infrastructure can fulfill specific InfoSphere
topologies that use cases. It can Information
use shared also help you Server.

IBM WebSphere Transformation Extender 8.2 John Wiley & Sons
Learn the pros and the cons of the most frequently used distros in order to find the one that is right for you. You will explore each distro step by step, so that you don't have to endure hours of web surfing, countless downloads, becoming confused by new concepts and, in the worst cases, reading complex and marathon installation guides. You will benefit from the author's long-term experience

working with each distro hands on, enabling you to choose the best distro for your long-term needs. The first barrier that a new Linux user has to face is the overwhelming number of "flavors" that this operating system has. These "flavors" are commonly known as distros (from distribution), and to date there are more than three hundred active distros to choose from. So, how to choose one? You can choose the most popular at the moment, or take heed of what your friend says, but are you sure

that this is the one that you need? Making the wrong decision on this matter is behind a good number of disappointments with this operating system. You need to choose the distro that is right for you and your needs. Linux offers us a wonderful open source alternative to proprietary software. With *Introducing Linux Distros* you can decide how to best make it work for you. Start exploring the open source world today. What You'll learn Review what a Linux distro is and which one to select Decide

which criteria to follow to make a right decision
Examine the most used Linux distros and their unique philosophies
install and maintain different Linux distros
Who This Book Is For
Newcomers to the Linux world that have to deal with the myriad of distributions.