

Installation Guide Example

This book is a collection of notes and sample codes written by the author while he was learning JVM himself. Topics include JVM (Java Virtual Machine) Architecture and Components; Oracle JVM implementation - HotSpot; Eclipse JVM implementation - Eclipse OpenJ9; java.lang.Runtime - The JVM Instance class; Loading Native Libraries; java.lang.System - Representing Operating System; java.lang.ClassLoader - Loading class files; java.lang.Class - Class reflections; Runtime data areas, heap memory and Garbage Collection; Stack, Frame and Stack overflow; Multi-threading impacts on CPU and I/O; CDS (Class Data Sharing); Micro Benchmark tests on different types of operations. Updated in 2020 (Version 5.11) with Eclipse OpenJ9. For latest updates and free sample chapters, visit <http://www.herongyang.com/JVM>.

sed & awk describes two text processing programs that are mainstays of the UNIX programmer's toolbox. sed is a "stream editor" for editing streams of text that might be too large to edit as a single file, or that might be generated on the fly as part of a larger data processing step. The most common operation done with sed is substitution, replacing one block of text with another. awk is a complete programming language. Unlike many conventional languages, awk is "data driven" -- you specify what kind of data you are interested in and the operations to be performed when that data is found. awk does many things for you, including automatically opening and closing data files, reading records, breaking the records up into fields, and counting the records. While awk provides the features of most conventional programming languages, it also includes some unconventional features, such as extended regular expression matching and associative arrays. sed & awk describes both programs in detail and includes a chapter of example sed and awk scripts. This edition covers features of sed and awk that are mandated by the POSIX standard. This most notably affects awk, where POSIX standardized a new variable, CONVFMT, and new functions, toupper() and tolower(). The CONVFMT variable specifies the conversion format to use when converting numbers to strings (awk used to use OFMT for this purpose). The toupper() and tolower() functions each take a (presumably mixed case) string argument and return a new version of the string with all letters translated to the corresponding case. In addition, this edition covers GNU sed, newly available since the first edition. It also updates the first edition coverage of Bell Labs nawk and GNU awk (gawk), covers mawk, an additional freely available implementation of awk, and briefly discusses three commercial versions of awk, MKS awk, Thompson Automation awk (tawk), and Videosoft (VSAwk).

Jakarta Tomcat is not only the most commonly used open source servlet engine today, it's become the de facto standard by which other servlet engines are measured. Powerful and flexible, it can be used as a stand-alone web server or in conjunction with another server, like Apache or IIS, to run servlets or JSPs. But mastery of Tomcat is not easy: because it's as complex as it is complete. Tomcat: The Definitive Guide answers vexing questions that users, administrators, and developers alike have been asking. This concise guide provides much needed information to help harness Tomcat's power and wealth of features. Tomcat: The Definitive Guide offers something for everyone who uses Tomcat. System and network administrators will find detailed instructions on installation, configuration, and maintenance. For users, it supplies insightful information on how to deploy Tomcat. And seasoned enterprise Java developers will have a complete reference to setting up, running, and using this powerful software. The book begins with an introduction to the Tomcat server and includes an overview of the three types of server configurations: stand-alone, in-process, and out-of-process. The authors show how directories are laid out, cover the initial setup, and describe how to set the environment variables and modify the configuration files, concluding with common errors, problems, and solutions. In subsequent chapters, they cover: The server.xml configuration file Java Security manager Authentication schemes and Tomcat users The Secure Socket Layer (SSL) Tomcat JDBC Realms Installing servlets and Java Server Pages Integrating Tomcat with Apache Advanced Tomcat configuration and much more. Tomcat: The Definitive Guide covers all major platforms, including Windows, Solaris, Linux, and Mac OS X, contains details on Tomcat configuration files, and has a quick-start guide to get developers up and running with Java servlets and JavaServer Pages. If you've struggled with this powerful yet demanding technology in the past, this book will provide the answers you need.

The European Molecular Biology Open Software Suite (EMBOSS) is a high quality package of open source software tools for molecular biology. It includes over 200 applications integrated with a range of popular third party software packages under a consistent and powerful command line interface. The tools are available from a wide range of graphical interfaces, including easy to use web interfaces and powerful workflow software. The EMBOSS Administrator's Guide is the official, definitive and comprehensive guide to EMBOSS installation and maintenance:

- Find all the information needed to configure, install and maintain EMBOSS, including recent additions for version 6.2
- Step-by-step instructions with real-world examples - saves readers time and helps them avoid the pitfalls on all the common platforms
- In-depth reference to database configuration - learn how to set up and use databases under EMBOSS
- Includes EMBOSS Frequently Asked Questions (FAQ) with answers - quickly find solutions to common problems

This step-by-step, highly visual text provides you with a comprehensive introduction to managing and maintaining computer hardware. Written by best-selling author and educator Jean Andrews, A+ GUIDE TO HARDWARE, Sixth Edition closely integrates the CompTIA A+ Exam objectives to prepare you for the hardware portions of the 220-801 and 220-802 certification exams. The new Sixth Edition also features extensive updates to reflect current technology, techniques, and industry standards in the dynamic, fast-paced field of PC repair. Each chapter covers both core concepts and advanced topics, organizing material to facilitate practical application and encourage you to learn by doing. Supported by a wide range of supplemental resources to enhance learning—including innovative tools, interactive exercises and activities, and online study guides—this proven text offers an ideal way to prepare you for success as a professional PC repair technician. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This IBM® Redbooks® publication is intended to make System Programmers, Operators, and Availability Managers aware of the enhancements to recent releases of IBM z/OS® and its major subsystems in the area of planned outage avoidance. It is a follow-on to, rather than a replacement for, z/OS Planned Outage Avoidance Checklist, SG24-7328. Its primary objective is to bring together in one place information that is already available, but widely dispersed. It also presents a different perspective on planned outage avoidance. Most businesses care about application availability rather than the availability of a specific system. Also, a planned outage is not necessarily a bad thing, if it does not affect application availability. In fact, running for too long without an IPL or subsystem restart might have a negative impact on application availability because it impacts your ability to apply preventive service. Therefore, this book places more focus on decoupling the ability to make changes and updates to your system from

IPLing or restarting your systems.

Provides a point of entry for understanding the basics of the SAS Intelligence Platform. It discusses the benefits of the SAS Intelligence Platform to businesses, describes the architecture, and provides an overview of each software component. This document can be used alone or as an introduction to the deployment and administration guides.

This guide provides a step-by-step example of how to install and configure a basic system running on Community Enterprise Linux (CentOS) version 6.2. This is an easy to follow guide, perfectly suited for users new to CentOS and Linux. Topics covered include best practices for partitioning, installing the Graphical Desktop, customizing programs during the installation, and updating system software.

Learn Django 3 with four end-to-end web projects Key Features Learn Django 3 by building real-world web applications from scratch in Python, using coding best practices Integrate other technologies into your application with clear, step-by-step explanations and comprehensive example code Implement advanced functionalities like a full-text search engine, a user activity stream, or a recommendation engine Add real-time features with Django Channels and WebSockets Book Description If you want to learn the entire process of developing professional web applications with Python and Django, then this book is for you. In the process of building four professional Django projects, you will learn about Django 3 features, how to solve common web development problems, how to implement best practices, and how to successfully deploy your applications. In this book, you will build a blog application, a social image bookmarking website, an online shop, and an e-learning platform. Step-by-step guidance will teach you how to integrate popular technologies, enhance your applications with AJAX, create RESTful APIs, and set up a production environment for your Django projects. By the end of this book, you will have mastered Django 3 by building advanced web applications. What you will learn Build real-world web applications Learn Django essentials, including models, views, ORM, templates, URLs, forms, and authentication Implement advanced features such as custom model fields, custom template tags, cache, middleware, localization, and more Create complex functionalities, such as AJAX interactions, social authentication, a full-text search engine, a payment system, a CMS, a RESTful API, and more Integrate other technologies, including Redis, Celery, RabbitMQ, PostgreSQL, and Channels, into your projects Deploy Django projects in production using NGINX, uWSGI, and Daphne Who this book is for This book is intended for developers with Python knowledge who wish to learn Django in a pragmatic way. Perhaps you are completely new to Django, or you already know a little but you want to get the most out of it. This book will help you to master the most relevant areas of the framework by building practical projects from scratch. You need to have familiarity with programming concepts in order to read this book. Some previous knowledge of HTML and JavaScript is assumed.

The official "Fedora 14 Installation Guide" covers installation of Fedora, a Linux distribution built on free and open source software.

Note: This is a republication of IBM Spectrum Archive Enterprise Edition V1.2.6: Installation and Configuration Guide with new book number SG24-8445 to keep the content available on the Internet along with the recent publication IBM Spectrum Archive Enterprise Edition V1.3.0: Installation and Configuration Guide, SG24-8333. This IBM® Redbooks® publication helps you with the planning, installation, and configuration of the new IBM Spectrum™ Archive V1.2.6 for the IBM TS3310, IBM TS3500, IBM TS4300, and IBM TS4500 tape libraries. IBM Spectrum Archive™ EE enables the use of the LTFS for the policy management of tape as a storage tier in an IBM Spectrum Scale™ based environment. It helps encourage the use of tape as a critical tier in the storage environment. This is the sixth edition of IBM Spectrum Archive Installation and Configuration Guide. IBM Spectrum Archive EE can run any application that is designed for disk files on a physical tape media. IBM Spectrum Archive EE supports the IBM Linear Tape-Open (LTO) Ultrium 8, 7, 6, and 5 tape drives in IBM TS3310, TS3500, TS4300, and TS4500 tape libraries. In addition, IBM TS1155, TS1150, and TS1140 tape drives are supported in TS3500 and TS4500 tape library configurations. IBM Spectrum Archive EE can play a major role in reducing the cost of storage for data that does not need the access performance of primary disk. The use of IBM Spectrum Archive EE to replace disks with physical tape in tier 2 and tier 3 storage can improve data access over other storage solutions because it improves efficiency and streamlines management for files on tape. IBM Spectrum Archive EE simplifies the use of tape by making it transparent to the user and manageable by the administrator under a single infrastructure. This publication is intended for anyone who wants to understand more about IBM Spectrum Archive EE planning and implementation. This book is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists.

The official "Ubuntu 10.04 LTS Installation Guide" contains installation instructions for the Ubuntu 10.04 LTS system (codename "Lucid Lynx").

This book discusses the security issues in a wide range of wireless devices and systems, such as RFID, Bluetooth, ZigBee, GSM, LTE, and GPS. It collects the findings of recent research by the UnicornTeam at 360 Technology, and reviews the state-of-the-art literature on wireless security. The book also offers detailed case studies and theoretical treatments – specifically it lists numerous laboratory procedures, results, plots, commands and screenshots from real-world experiments. It is a valuable reference guide for practitioners and researchers who want to learn more about the advanced research findings and use the off-the-shelf tools to explore the wireless world.

Construction Guide: Tax and Advisory Services provides CPAs with guidance on the tax considerations that are particular to the construction industry. In addition, it provides CPAs with guidance on engagements for a wide range of situations, including those special to utility contractors, road builders, home construction, commercial construction, residential construction, land developers, real estate developers, and more. The book includes work programs, practice aids, checklists, and sample reports.

Ascend AI Processor Architecture and Programming: Principles and Applications of CANN offers in-depth AI applications using Huawei's Ascend chip, presenting and analyzing the unique performance and attributes of this processor. The title introduces the fundamental theory of AI, the software and hardware architecture of the Ascend AI processor, related tools and programming technology, and typical application cases. It demonstrates internal software and hardware design principles, system tools and programming techniques for the processor, laying out the elements of AI programming technology needed by researchers developing AI applications. Chapters cover the theoretical fundamentals of AI and deep learning, the state of the industry, including the current state of Neural Network Processors, deep learning frameworks, and a deep learning compilation framework, the hardware architecture of the Ascend AI processor, programming methods and practices for developing the processor, and finally, detailed case studies on data and algorithms for AI. Presents the performance and attributes of the Huawei Ascend AI processor Describes the software and hardware architecture of the Ascend processor Lays out the elements of AI theory, processor architecture, and AI applications Provides detailed case studies on data and algorithms for AI Offers insights into processor architecture and programming to spark new AI applications

This document provides the step-by-step instructions for installing OpenShift OKD 3.10 on LinuxONE. The intended audience is Systems Architects and Specialists who design, size, and implement solutions on IBM® infrastructures.

Here's the book you need to prepare for the Installing, Configuring, and Administering Microsoft Windows XP Professional exam (70-270).

This Study Guide was developed to meet the exacting requirements of today's certification candidates. In addition to the consistent and accessible instructional approach that made Sybex the preferred choice for certification exam candidates, this book provides: Practical information on installing, configuring, and administering Windows XP Professional Updated and expanded information on key exam topics, including new Service Pack 2 enhancements Leading-edge exam preparation software, including a testing engine, electronic flashcards, and simulation software Authoritative coverage of all exam objectives, including: Installing Windows XP Professional Implementing and conducting administration of resources Implementing, managing, and troubleshooting hardware devices and drivers Monitoring and optimizing system performance and reliability Configuring and troubleshooting the desktop environment Implementing, managing, and

troubleshooting network protocols and services Implementing, monitoring, and troubleshooting security

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The only EAL approved textbook for the Level 3 Diploma in Electrical Installation (600/9331/6) Fully up-to-date with the 3rd Amendment of the 17th Edition IET Wiring Regulations Expert advice that has been written in collaboration with EAL to ensure that it covers what learners need to know in order to pass their exams Extensive online material to help both learners and lecturers. Written specifically for the EAL Diploma in Electrical Installation, this book has a chapter dedicated to each unit of the syllabus. Every learning outcome from the syllabus is covered in highlighted sections, and there is a checklist at the end of each chapter to ensure that each objective has been achieved before moving on to the next section. End of chapter revision questions will help you to check your understanding and consolidate the key concepts learned in each chapter. Fully up to date with the third amendment of the 17th Edition Wiring Regulations, this book is a must have for all learners working towards EAL electrical installations qualifications.

This note provides a brief overview of ATLAS, and describes how to install it. It includes extensive discussion of common configure options, and describes why they might be employed on various platforms. In addition to discussing how to configure and build the ATLAS package, this note also describes how an installer can confirm that the resulting libraries are producing correct answers and running efficiently. Extensive examples are provided, including a full-length example showing the installation of both ATLAS and LAPACK on an example architecture.

This text introduces students to the concepts of building Web-distributed applications and helps develop the necessary skills through numerous examples, projects, case studies and hands-on examples.

The rise of Ruby on Rails has signified a huge shift in how we build web applications today; it is a fantastic framework with a growing community. There is, however, space for another such framework that integrates seamlessly with Java. Thousands of companies have invested in Java, and these same companies are losing out on the benefits of a Rails-like framework. Enter Grails. Grails is not just a Rails clone. It aims to provide a Rails-like environment that is more familiar to Java developers and employs idioms that Java developers are comfortable using, making the adjustment in mentality to a dynamic framework less of a jump. The concepts within Grails, like interceptors, tag libs, and Groovy Server Pages (GSP), make those in the Java community feel right at home. Grails' foundation is on solid open source technologies such as Spring, Hibernate, and SiteMesh, which gives it even more potential in the Java space: Spring provides powerful inversion of control and MVC, Hibernate brings a stable, mature object relational mapping technology with the ability to integrate with legacy systems, and SiteMesh handles flexible layout control and page decoration. Grails complements these with additional features that take advantage of the coding-by-convention paradigm such as dynamic tag libraries, Grails object relational mapping, Groovy Server Pages, and scaffolding. Graeme Rocher, Grails lead and founder, and Jeff Brown bring you completely up-to-date with their authoritative and fully comprehensive guide to the Grails framework. You'll get to know all the core features, services, and Grails extensions via plug-ins, and understand the roles that Groovy and Grails are playing in the changing Web.

IBM® Spectrum Virtualize is a key member of the IBM Spectrum™ Storage portfolio. It is a highly flexible storage solution that enables rapid deployment of block storage services for new and traditional workloads, whether on-premises, off-premises, or a combination of both. The initial release of IBM Spectrum Virtualize™ for Public Cloud is now available on Amazon Web Services (AWS). This IBM Redpaper™ Redbooks publication gives a broad understanding of the IBM Spectrum Virtualize for Public Cloud on AWS architecture, and provides planning and implementation details of the common use cases for this new product. This publication helps storage and networking administrators plan, implement, install, modify, and configure the IBM Spectrum Virtualize for Public Cloud on AWS offering. It also provides a detailed description of troubleshooting tips.

This IBM® Redbooks® publication illustrates implementation, testing, and helpful scenarios with IBM Power® Systems 780 and 795 using the comprehensive set of the Power virtualization features. We focus on the Power Systems functional improvements, in particular, highlighting the reliability, availability, and serviceability (RAS) features of the enterprise servers. This document highlights IBM Power Systems Enterprise Server features, such as system scalability, virtualization features, and logical partitioning among others. This book provides a documented deployment model for Power 780 and Power 795 within a virtualized environment, which allows clients to plan a foundation for exploiting and using the latest features of the IBM Power Systems Enterprise Servers. The target audience for this book includes technical professionals (IT consultants, technical support staff, IT Architects, and IT Specialists) responsible for providing IBM Power Systems solutions and support.

"This book investigates the use of computer-mediated communication technologies and collaborative processes to facilitate effective interdependent collaboration in writing projects, especially in virtual workplace settings"--Provided by publisher.

This IBM® Redpaper publication provides all the necessary steps to successfully install Red Hat OpenShift 4.4 on IBM Z® or LinuxONE servers. It also provides an introduction to OpenShift nodes, Red Hat Enterprise Linux CoreOS, and Ansible. The steps that are described in this paper are taken from the official pages of the Red Hat website. This IBM Redpaper publication was written for IT architects, IT specialists, and others who are interested in installing Red Hat OpenShift on IBM Z.

A practical introduction to programming in Perl utilizing the rich capabilities of Perl and the services provided by .NET.

This book is a collection of tutorial notes and sample codes written by the author while he was learning JDK (Java Development Kit) core libraries himself. Topics include Time and Calendar, Internationalization, Unnamed Packages, Collections, Character Set and Encoding, Logging, XML related technologies: DOM, SAX, DTD, XSD, and XSL, Cryptography, Certificates, Key stores, Cipher and Encryption, Socket communication, SSL and HTTPS. Updated in 2020 (Version 6.21) with macOS and CentOS tutorials.

IT Essentials v6 Companion Guide supports the Cisco Networking Academy IT Essentials version 6 course. The course is designed for Cisco Networking Academy students who want to pursue careers in IT and learn how computers work, how to assemble computers, and how to safely and securely troubleshoot hardware and software issues. As CompTIA Approved Quality Content, the course also helps you prepare for the CompTIA A+ certification exams 220-901 and 220-902. Students must pass both exams to earn the CompTIA A+ certification. The features of the Companion Guide are designed to help you study and succeed in this course: Chapter objectives—Review core concepts by answering the focus questions listed at the beginning of each chapter. Key terms—Refer to the updated lists of networking vocabulary

introduced, and turn to the highlighted terms in context. Course section numbering—Follow along with the course heading numbers to easily jump online to complete labs, activities, and quizzes referred to within the text. Check Your Understanding Questions and Answer Key—Evaluate your readiness with the updated end-of-chapter questions that match the style of questions you see on the online course quizzes. This icon in the Companion Guide indicates when there is a hands-on Lab to do. All the Labs from the course are compiled and published in the separate book, IT Essentials v6 Lab Manual. Practicing and performing all these tasks will reinforce the concepts and help you become a successful PC technician.

The IBM® DB2® Analytics Accelerator Version 3.1 for IBM z/OS® (simply called Accelerator in this book) is a union of the IBM System z® quality of service and IBM Netezza® technology to accelerate complex queries in a DB2 for z/OS highly secure and available environment. Superior performance and scalability with rapid appliance deployment provide an ideal solution for complex analysis. In this IBM Redbooks® publication, we provide technical decision-makers with a broad understanding of the benefits of Version 3.1 of the Accelerator's major new functions. We describe their installation and the advantages to existing analytical processes as measured in our test environment. We also describe the IBM zEnterprise® Analytics System 9700, a hybrid System z solution offering that is surrounded by a complete set of optional packs to enable customers to custom tailor the system to their unique needs..

Here's the book you need to prepare for Exam 70-290, Managing and Maintaining a Microsoft Windows Server 2003 Environment. This Study Guide provides: In-depth coverage of every exam objective Practical information on managing and maintaining a Windows Server 2003 environment Hundreds of challenging practice questions, in the book and on the CD Leading-edge exam preparation software, including a testing engine, electronic flashcards, and simulation software Authoritative coverage of all exam objectives, including: Managing and maintaining physical and logical devices Managing users, computers, and groups Managing and maintaining access to resources Managing and maintaining a server environment Managing and implementing disaster recovery Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

In an increasingly interconnected world, data breaches grab headlines. The security of sensitive information is vital, and new requirements and regulatory bodies such as the Payment Card Industry Data Security Standard (PCI-DSS), Health Insurance Portability and Accountability Act (HIPAA), and Sarbanes-Oxley (SOX) create challenges for enterprises that use encryption to protect their information. As encryption becomes more widely adopted, organizations also must contend with an ever-growing set of encryption keys. Effective management of these keys is essential to ensure both the availability and security of the encrypted information. Centralized management of keys and certificates is necessary to perform the complex tasks that are related to key and certificate generation, renewal, and backup and recovery. The IBM® Enterprise Key Management Foundation (EKMF) is a flexible and highly secure key management system for the enterprise. It provides centralized key management on IBM zEnterprise® and distributed platforms for streamlined, efficient, and secure key and certificate management operations. This IBM Redbooks® publication introduces key concepts around a centralized key management infrastructure and depicts the proper planning, implementation, and management of such a system using the IBM Enterprise Key Management Foundation solution.

This IBM® Redbooks® publication for IBM Power Systems™ with IBM PowerHA® SystemMirror® Standard and Enterprise Editions (hardware, software, practices, reference architectures, and tools) documents a well-defined deployment model within an IBM Power Systems environment. It guides you through a planned foundation for a dynamic infrastructure for your enterprise applications. This information is for technical consultants, technical support staff, IT architects, and IT specialists who are responsible for providing high availability and support for the IBM PowerHA SystemMirror Standard and Enterprise Editions on IBM POWER® systems.

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