Kdc 135 Manual User Guide

The IBM® Hardware Management Console (HMC) provides to systems administrators a tool for planning, deploying, and managing IBM Power SystemsTM 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
This valuable text presents methods and techniques for conducting an animal disease surveillance program, and developing an animal health moitoring system. The text is a 'recipe book' for these techniques as it explains modern techniques, while emphasizing the fundamentals and principles of using these techniques.The book is targeted to epidemiologists and other animal health authorities who are working in national, regional, and international programs. The book can be used as a text for professional and postgraduate training curricula. This text will be of value in veterinary epidemiology and regulatory medicine, where there is need for a concise collection of material on animal disease monitoring, surveillance, and reporting strategies. This need arises from a new era of international trade regulations based on animal diseases, new demands for accountability in utilization of research funds, and calls for prioritizing and economically justifying animal health regulatory and diagnostic activities.
Cloud computing provides companies with many capabilities to meet their business needs but can also mean that a hybrid architecture is created that includes on-premise systems and the cloud. Integration is needed to bridge the gap between the on-premise existing systems and the new cloud applications, platform, and infrastructure. IBM® WebSphere® Cast Iron® meets the challenge of integrating cloud applications with on-premise systems, cloud applications-to-cloud applications, and on-premise to on-premise applications. It contains a graphical development environment that provides built-in connectivity to many cloud and on-premise applications and reusable solution templates that can be

downloaded from a solution repository. The integration solutions that are created can then run on either an on-premise integration appliance or the multi-tenant WebSphere Cast Iron Live cloud service. This IBM Redbooks® publication is intended for application integrators, integration designers, and administrators evaluating or already using IBM WebSphere Cast Iron. Executives, leaders, and architects who are looking for a way to integrate cloud applications with their on-premise applications are also shown how WebSphere Cast Iron can help to resolve their integration challenges. The book helps you gain an understanding of Cast Iron and explains how to integrate cloud and on-premise applications quickly and simply. It gives a detailed introduction to the development tool and the administration interfaces and how they are used. It also discusses security, high availability, and re-usability. The book also includes three detailed scenarios covering real-world implementations of a Cast Iron Integration Solution. The IBM® Hardware Management Console (HMC) provides systems administrators a tool for planning, deploying, and managing IBM Power SystemsTM servers. This IBM Redbooks® publication is an extension of IBM Power Systems HMC Implementation and Usage Guide, SG24-7491. It explains the new features of IBM Power Systems Hardware Management Console Version V8.8.1.0. The major function that the HMC provides are Power Systems server hardware management and virtualization (partition) management. You can find information about virtualization management in the following documents: 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 new features of HMC V8.8.1.0 are described: HMC V8.8.1.0 enhancements System and Partition Templates HMC and IBM PowerVM® Simplification Enhancements Manage Partition Enhancement Performance and Capacity Monitoring HMC V8.8.1.0 upgrade changes

This fully revised and updated new edition of the definitive text/reference on computer network and information security presents a comprehensive guide to the repertoire of security tools, algorithms and best practices mandated by the technology we depend on. Topics and features: highlights the magnitude of the vulnerabilities, weaknesses and loopholes inherent in computer networks; discusses how to develop effective security solutions, protocols, and best practices for the modern computing environment; examines the role of legislation, regulation, and enforcement in securing computing and mobile systems; describes the burning security issues brought about by the advent of the Internet of Things and the eroding boundaries between enterprise and home networks (NEW); provides both quickly workable and more thought-provoking exercises at the end of each chapter, with one chapter devoted entirely to hands-on exercises; supplies additional support materials for instructors at an associated website.

NFS Version 4 (NFS V4) is the latest defined client-to-server protocol for NFS. A significant upgrade from NFS V3, it was defined under the IETF framework by many contributors. NFS V4 introduces major changes to the way NFS has been implemented and used before now, including stronger security, wide area network sharing, and broader platform adaptability. This IBM Redbooks publication is intended to provide a broad understanding of NFS V4 and specific AIX NFS V4 implementation details. It discusses considerations for deployment of NFS V4, with a focus on exploiting the stronger security features of the new protocol. In the initial implementation of NFS V4 in AIX 5.3, the most important functional differences are related to security. Chapter 3 and parts of the planning and implementation chapters in Part 2 cover this topic in detail.

The Hash Crack: Password Cracking Manual v3 is an expanded reference guide for password recovery (cracking) methods, tools, and analysis techniques. A compilation of basic and advanced techniques to assist penetration testers and network security professionals evaluate their organization's posture. The Hash Crack manual contains syntax and examples for the most popular cracking and analysis tools and will save you hours of research looking up tool usage. It also includes basic cracking knowledge and methodologies every security professional should know when dealing with password attack capabilities. Hash Crack contains all the tables, commands, online resources, and more to complete your cracking security kit. This version expands on techniques to extract hashes from a myriad of operating systems, devices, data, files, and images. Lastly, it contains updated tool usage and syntax for the most popular cracking tools.

"An index to library and information science".

A vicious murderer whose face is covered in bandages is on the lose. Will Conan be able to catch him before he strikes again? And later, Conan's friends Rachel and Serena want to blow off some steam but they get more than they bargain for when they discover murder at the karaoke box. Can you figure out whodunnit before Conan does? -- VIZ Media

Learn how to use, deploy, and maintain Apache Spark with this comprehensive guide, written by the creators of the open-source cluster-computing framework. With an emphasis on improvements and new features in Spark 2.0, authors Bill Chambers and Matei Zaharia break down Spark topics into distinct sections, each with unique goals. You'll explore the basic operations and common functions of Spark's structured APIs, as well as Structured Streaming, a new high-level API for building end-to-end streaming applications. Developers and system administrators will learn the fundamentals of monitoring, tuning, and debugging Spark, and explore machine learning techniques and scenarios for employing MLlib, Spark's scalable machine-learning library. Get a gentle overview of big data and Spark Learn about DataFrames, SQL, and Datasets—Spark's core APIs—through worked examples Dive into Spark's low-level APIs, RDDs, and execution of SQL and DataFrames Understand how Spark

runs on a cluster Debug, monitor, and tune Spark clusters and applications Learn the power of Structured Streaming, Spark's stream-processing engine Learn how you can apply MLlib to a variety of problems, including classification or recommendation

The Implementing MicroStrategy: Development and Deployment course provides an overview of the stages involved in developing, implementing, and maintaining a business intelligence project. You will first get an intensive, yet high-level overview of the project design and report creation processes, followed by the document and dashboard creation basics. The course also covers deployment to MicroStrategy Web™ and MicroStrategy Mobile™, as well as administration and maintenance of MicroStrategy environment.

What could you do with data if scalability wasn't a problem? With this hands-on guide, you'll learn how Apache Cassandra handles hundreds of terabytes of data while remaining highly available across multiple data centers -- capabilities that have attracted Facebook, Twitter, and other data-intensive companies. Cassandra: The Definitive Guide provides the technical details and practical examples you need to assess this database management system and put it to work in a production environment. Author Eben Hewitt demonstrates the advantages of Cassandra's nonrelational design, and pays special attention to data modeling. If you're a developer, DBA, application architect, or manager looking to solve a database scaling issue or future-proof your application, this guide shows you how to harness Cassandra's speed and flexibility. Understand the tenets of Cassandra's column-oriented structure Learn how to write, update, and read Cassandra data Discover how to add or remove nodes from the cluster as your application requires Examine a working application that translates from a relational model to Cassandra's data model Use examples for writing clients in Java, Python, and C# Use the JMX interface to monitor a cluster's usage, memory patterns, and more Tune memory settings, data storage, and caching for better performance

Here's the book you need to prepare for the Implementing and Administering Security in a Microsoft Windows Server 2003 Network exam (70-299). 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 earned Sybex the "Best Study Guide" designation in the 2003 CertCities Readers Choice Awards, this book provides: Clear and concise information on administering a secure Windows Server 2003 network Practical examples and insights drawn from real-world experience Leading-edge exam preparation software, including a testing engine and electronic flashcards for your Palm You'll also find authoritative coverage of key exam topics, including: Implementing, Managing, and Troubleshooting Security Policies Implementing, Managing, and Troubleshooting Patch Management Infrastructure Implementing, Managing, and Troubleshooting Security for Network Communications Planning, Configuring, and Troubleshooting Authentication, Authorization, and PKI Note: CD-ROM/DVD

and other supplementary materials are not included as part of eBook file.
The IBM® i operation system (formerly IBM i5/OS®) is considered one of the
most secure systems in the industry. From the beginning, security was designed
as an integral part of the system. The System i® platform provides a rich set of
security features and services that pertain to the goals of authentication,
authorization, integrity, confidentiality, and auditing. However, if an IBM Client
does not know that a service, such as a virtual private network (VPN) or
hardware cryptographic support, exists on the system, it will not use it. In
addition, there are more and more security auditors and consultants who are in
charge of implementing corporate security policies in an organization. In many
cases, they are not familiar with the IBM i operating system, but must understand
the security services that are available. This IBM Redbooks® publication guides
you through the broad range of native security features that are available within
IBM i Version and release level 6.1. This book is intended for security auditors
and consultants, IBM System Specialists, Business Partners, and clients to help
you answer first-level questions concerning the security features that are
available under IBM. The focus in this publication is the integration of IBM 6.1
enhancements into the range of security facilities available within IBM i up
through Version release level 6.1. IBM i 6.1 security enhancements include: -
Extended IBM i password rules and closer affinity between normal user IBM i
operating system user profiles and IBM service tools user profiles - Encrypted
disk data within a user Auxiliary Storage Pool (ASP) - Tape data save and
restore encryption under control of the Backup Recovery and Media Services for
i5/OS (BRMS) product, 5761-BR1 - Networking security enhancements including
additional control of Secure Sockets Layer (SSL) encryption rules and greatly
expanded IP intrusion detection protection and actions. DB2® for i5/OS built-in
column encryption expanded to include support of the Advanced Encryption
Standard (AES) encryption algorithm to the already available Rivest Cipher 2
(RC2) and Triple DES (Data Encryption Standard) (TDES) encryption algorithms.
The IBM i V5R4 level IBM Redbooks publication IBM System i Security Guide for
IBM i5/OS Version 5 Release 4, SG24-6668, remains available.
Objectives The purpose of Top-Down Network Design, Third Edition, is to help you
design networks that meet a customer's business and technical goals. Whether your
customer is another department within your own company or an external client, this
book provides you with tested processes and tools to help you understand traffic flow,
protocol behavior, and internetworking technologies. After completing this book, you will
be equipped to design enterprise networks that meet a customer's requirements for
functionality, capacity, performance, availability, scalability, affordability, security, and
manageability. Audience This book is for you if you are an internetworking professional
responsible for designing and maintaining medium- to large-sized enterprise networks.
If you are a network engineer, architect, or technician who has a working knowledge of
network protocols and technologies, this book will provide you with practical advice on
applying your knowledge to internetwork design. This book also includes useful
information for consultants, systems engineers, and sales engineers who design

corporate networks for clients. In the fast-paced presales environment of many systems engineers, it often is difficult to slow down and insist on a top-down, structured systems analysis approach. Wherever possible, this book includes shortcuts and assumptions that can be made to speed up the network design process. Finally, this book is useful for undergraduate and graduate students in computer science and information technology disciplines. Students who have taken one or two courses in networking theory will find Top-Down Network Design, Third Edition, an approachable introduction to the engineering and business issues related to developing real-world networks that solve typical business problems. Changes for the Third Edition Networks have changed in many ways since the second edition was published. Many legacy technologies have disappeared and are no longer covered in the book. In addition, modern networks have become multifaceted, providing support for numerous bandwidth-hungry applications and a variety of devices, ranging from smart phones to tablet PCs to high-end servers. Modern users expect the network to be available all the time, from any device, and to let them securely collaborate with coworkers, friends, and family. Networks today support voice, video, high-definition TV, desktop sharing, virtual meetings, online training, virtual reality, and applications that we can't even imagine that brilliant college students are busily creating in their dorm rooms. As applications rapidly change and put more demand on networks, the need to teach a systematic approach to network design is even more important than ever. With that need in mind, the third edition has been retooled to make it an ideal textbook for college students. The third edition features review questions and design scenarios at the end of each chapter to help students learn top-down network design. To address new demands on modern networks, the third edition of Top-Down Network Design also has updated material on the following topics: ¿ Network redundancy ¿ Modularity in network designs ¿ The Cisco SAFE security reference architecture ¿ The Rapid Spanning Tree Protocol (RSTP) ¿ Internet Protocol version 6 (IPv6) ¿ Ethernet scalability options, including 10-Gbps Ethernet and Metro Ethernet ¿ Network design and management tools

Former USAF pilot Christopher Hoctor examines the history and safety record of the Boeing KC-135 Stratotanker aircraft.

Modern cars are more computerized than ever. Infotainment and navigation systems, Wi-Fi, automatic software updates, and other innovations aim to make driving more convenient. But vehicle technologies haven't kept pace with today's more hostile security environment, leaving millions vulnerable to attack. The Car Hacker's Handbook will give you a deeper understanding of the computer systems and embedded software in modern vehicles. It begins by examining vulnerabilities and providing detailed explanations of communications over the CAN bus and between devices and systems. Then, once you have an understanding of a vehicle's communication network, you'll learn how to intercept data and perform specific hacks to track vehicles, unlock doors, glitch engines, flood communication, and more. With a focus on low-cost, open source hacking tools such as Metasploit, Wireshark, Kayak, can-utils, and ChipWhisperer, The Car Hacker's Handbook will show you how to: –Build an accurate threat model for your vehicle –Reverse engineer the CAN bus to fake engine signals –Exploit vulnerabilities in diagnostic and data-logging systems –Hack the ECU and other firmware and embedded systems –Feed exploits through infotainment and vehicle-to-vehicle communication systems –Override factory settings

with performance-tuning techniques –Build physical and virtual test benches to try out exploits safely If you're curious about automotive security and have the urge to hack a two-ton computer, make The Car Hacker's Handbook your first stop.

Ready to unlock the power of your data? With this comprehensive guide, you'll learn how to build and maintain reliable, scalable, distributed systems with Apache Hadoop. This book is ideal for programmers looking to analyze datasets of any size, and for administrators who want to set up and run Hadoop clusters. You'll find illuminating case studies that demonstrate how Hadoop is used to solve specific problems. This third edition covers recent changes to Hadoop, including material on the new MapReduce API, as well as MapReduce 2 and its more flexible execution model (YARN). Store large datasets with the Hadoop Distributed File System (HDFS) Run distributed computations with MapReduce Use Hadoop's data and I/O building blocks for compression, data integrity, serialization (including Avro), and persistence Discover common pitfalls and advanced features for writing real-world MapReduce programs Design, build, and administer a dedicated Hadoop cluster—or run Hadoop in the cloud Load data from relational databases into HDFS, using Sqoop Perform large-scale data processing with the Pig query language Analyze datasets with Hive, Hadoop's data warehousing system Take advantage of HBase for structured and semi-structured data, and ZooKeeper for building distributed systems

Enhance your organization's secure posture by improving your attack and defense strategies Key Features Gain a clear understanding of the attack methods, and patterns to recognize abnormal behavior within your organization with Blue Team tactics. Learn to unique techniques to gather exploitation intelligence, identify risk and demonstrate impact with Red Team and Blue Team strategies. A practical guide that will give you hands-on experience to mitigate risks and prevent attackers from infiltrating your system. Book Description The book will start talking about the security posture before moving to Red Team tactics, where you will learn the basic syntax for the Windows and Linux tools that are commonly used to perform the necessary operations. You will also gain hands-on experience of using new Red Team techniques with powerful tools such as python and PowerShell, which will enable you to discover vulnerabilities in your system and how to exploit them. Moving on, you will learn how a system is usually compromised by adversaries, and how they hack user's identity, and the various tools used by the Red Team to find vulnerabilities in a system. In the next section, you will learn about the defense strategies followed by the Blue Team to enhance the overall security of a system. You will also learn about an in-depth strategy to ensure that there are security controls in each network layer, and how you can carry out the recovery process of a compromised system. Finally, you will learn how to create a vulnerability management strategy and the different techniques for manual log analysis. By the end of this book, you will be well-versed with Red Team and Blue Team techniques and will have learned the techniques used nowadays to attack and defend systems. What you will learn Learn the importance of having a solid foundation for your security posture Understand the attack strategy using cyber security kill chain Learn how to enhance your defense strategy by improving your security policies, hardening your network, implementing active sensors, and leveraging threat intelligence Learn how to perform an incident investigation Get an in-depth understanding of the recovery process Understand continuous security monitoring and how to implement a vulnerability

management strategy Learn how to perform log analysis to identify suspicious activities Who this book is for This book aims at IT professional who want to venture the IT security domain. IT pentester, Security consultants, and ethical hackers will also find this course useful. Prior knowledge of penetration testing would be beneficial.

This is the eBook version of the print title. Note that the eBook may not provide access to the practice test software that accompanies the print book. Access to the companion files are available through product registration at Pearson IT Certification, or see the instructions in the back pages of your eBook. Learn, prepare, and practice for CompTIA Security+ SY0-501 exam success with this CompTIA approved Cert Guide from Pearson IT Certification, a leader in IT certification learning and a CompTIA Authorized Platinum Partner. · Master CompTIA Security+ SY0-501 exam topics · Assess your knowledge with chapter-ending quizzes · Review key concepts with exam preparation tasks · Practice with realistic exam questions CompTIA Security+ SY0-501 Cert Guide is a best-of-breed exam study guide. Best-selling author and expert instructor David L. Prowse shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test-preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending chapter review activities help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this CompTIA approved study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The CompTIA approved study guide helps you master all the topics on the Security+ exam, including · Core computer system security · OS hardening and virtualization · Application security · Network design elements · Networking ports, protocols, and threats · Network perimeter security · Physical security and authentication models · Access control · Vulnerability and risk assessment · Monitoring and auditing · Cryptography, including PKI · Redundancy and disaster recovery · Social Engineering · Policies and procedures

Some vols. include supplemental journals of "such proceedings of the sessions, as, during the time they were depending, were ordered to be kept secret, and respecting which the injunction of secrecy was afterwards taken off by the order of the House".

This glossary provides a central resource of definitions most commonly used in Nat. Institute of Standards and Technology (NIST) information security publications and in the Committee for National Security Systems (CNSS) information assurance publications. Each entry in the glossary points to one or more source NIST publications, and/or CNSSI-4009, and/or supplemental sources where appropriate. This is a print on demand edition of an important, hard-to-find publication.

Little prior knowledge is needed to use this long-needed reference. Computer professionals and software engineers will learn how to design secure operating systems, networks and applications.

"Java P2P Unleashed" provides a single source for Java developers who want to develop P2P systems. The book explains the benefits of each technology and shows how to fit the P2P "pieces" together - both in building new systems and integrating with existing ones. starts with a discussion of the P2P architecture, referencing similarities with existing, familiar systems while previewing several types of P2P applications. It explains how to plan ahead for security, routing, performance and other issues when developing a P2P application. Each technology included in the book - JXTA, Jini, JavaSpaces, J2EE, Web services - is approached from a P2P perspective, focusing on implementation concerns Java developers will face while using them. The last section includes several large-scale examples of different P2P applications - managing content, building communities, integrating services, routing messages, and using intelligent agents to gather information. The final chapter looks ahead to future developments in Java P2P technologies.

Practical recommendations for application developers who want to generate efficient PDF files. New PDF 1.4 features include Tagged PDF, Referenced PDF, PDF Metadata Architecture, forms enhancements, JBIG2 support, and more. Example files, predefined font encodings, PDF page-marking operators, and other essential information.

This is officially-authorized Apple Pro Training Series work is a top-notch primer for anyone who needs to implement, administer, or maintain a network that uses OS X Server on El Capitan. This book provides comprehensive coverage of OS X Server and is part of the Apple Pro Training series—the only Apple-certified books on the market. Designed for help desk specialists, technical coordinators, and entry-level system administrators, this guide teaches you how to install and configure OS X Server on El Capitan to provide network-based services. You'll also learn to use tools for efficiently managing and deploying OS X Server. In addition to learning key concepts and experiencing hands-on, practical exercises throughout. This book provides comprehensive coverage of OS X Server and is part of the Apple Pro Training series—the only Apple-certified books on the market. This guide teaches students how to install and configure OS X Server on El Capitan to provide network-based services. They'll learn to use tools for efficiently managing and deploying OS X Server. You will learn key concepts and experience hands-on, practical exercises. Provides authoritative explanations of OS X Server setup and management on El Capitan Focused lessons take you step by step through practical, real-world exercises Lesson review questions summarize what you learn to prepare you for the Apple certification exam Lesson files available for download

Are all film stars linked to Kevin Bacon? Why do the stock markets rise and fall sharply on the strength of a vague rumour? How does gossip spread so quickly? Are we all related through six degrees of separation? There is a growing awareness of the complex networks that pervade modern society. We see them in the rapid growth of the Internet, the ease of global communication, the swift

spread of news and information, and in the way epidemics and financial crises develop with startling speed and intensity. This introductory book on the new science of networks takes an interdisciplinary approach, using economics, sociology, computing, information science and applied mathematics to address fundamental questions about the links that connect us, and the ways that our decisions can have consequences for others.

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.

A guide to the features of Samba-3 provides step-by-step installation instructions on integrating Samba into a Windows or UNIX environment.

Beginning Fedora Desktop: Fedora 18 Edition is a complete guide to using the Fedora 18 Desktop Linux release as your daily driver for mail, productivity, social networking, and more. Author and Linux expert Richard Petersen delves into the operating system as a whole and offers you a complete treatment of Fedora 18 Desktop installation, configuration, and use. You'll discover how to install Fedora 18 Desktop on any hardware, learn which applications perform which functions, how to manage software updates, tips and tricks for the GNOME 3 and KDE desktops, useful shell commands, and both the Fedora administration and network tools. Get the most out of Fedora 18 Desktop -- including free Office suites, editors, e-book readers, music and video applications and codecs, email clients, Web and FTP browsers, microblogging and IM applications -- with a copy of Beginning Fedora Desktop: Fedora 18 Edition at your side.

Perform fast interactive analytics against different data sources using the Trino high-performance distributed SQL query engine. With this practical guide, you'll learn how to conduct analytics on data where it lives, whether it's Hive, Cassandra, a relational database, or a proprietary data store. Analysts, software engineers, and production engineers will learn how to manage, use, and even develop with Trino. Initially developed by Facebook, open source Trino is now used by Netflix, Airbnb, LinkedIn, Twitter, Uber, and many other companies. Matt Fuller, Manfred Moser, and Martin Traverso show you how a single Trino query can combine data from multiple sources to allow for analytics across your entire organization. Get started: Explore Trino's use cases and learn about tools that will help you connect to Trino and query data Go deeper: Learn Trino's internal workings, including how to connect to and query data sources with support for SQL statements, operators, functions, and more Put Trino in production: Secure Trino, monitor workloads, tune queries, and connect more applications; learn how other organizations apply Trino

The IBM® TS4500 (TS4500) tape library is a next-generation tape solution that offers higher storage density and better integrated management than previous solutions. This IBM Redbooks® publication gives you a close-up view of the new IBM TS4500 tape library. In the TS4500, IBM delivers the density that today's and tomorrow's data growth requires. It has the cost-effectiveness and the manageability to grow with business data needs, while you preserve investments in IBM tape library products. Now, you can achieve a low cost per terabyte (TB) and a high TB density per square foot because the TS4500 can store up to 11 petabytes (PB) of uncompressed data in a single frame library or scale up to 2 PB per square foot to over 350 PB. The TS4500 offers the following benefits: High availability: Dual active accessors with integrated service bays reduce inactive service space by 40%. The Elastic Capacity option can be used to eliminate inactive service space. Flexibility to grow: The TS4500 library can grow

from the right side and the left side of the first L frame because models can be placed in any active position. Increased capacity: The TS4500 can grow from a single L frame up to another 17 expansion frames with a capacity of over 23,000 cartridges. High-density (HD) generation 1 frames from the TS3500 library can be redeployed in a TS4500. Capacity on demand (CoD): CoD is supported through entry-level, intermediate, and base-capacity configurations. Advanced Library Management System (ALMS): ALMS supports dynamic storage management, which enables users to create and change logical libraries and configure any drive for any logical library. Support for IBM TS1160 while also supporting TS1155, TS1150, and TS1140 tape drive: The TS1160 gives organizations an easy way to deliver fast access to data, improve security, and provide long-term retention, all at a lower cost than disk solutions. The TS1160 offers high-performance, flexible data storage with support for data encryption. Also, this enhanced fifth-generation drive can help protect investments in tape automation by offering compatibility with existing automation. The TS1160 Tape Drive Model 60E delivers a dual 10 Gb or 25 Gb Ethernet host attachment interface that is optimized for cloud-based and hyperscale environments. The TS1160 Tape Drive Model 60F delivers a native data rate of 400 MBps, the same load/ready, locate speeds, and access times as the TS1155, and includes dual-port 16 Gb Fibre Channel support. Support of the IBM Linear Tape-Open (LTO) Ultrium 8 tape drive: The LTO Ultrium 8 offering represents significant improvements in capacity, performance, and reliability over the previous generation, LTO Ultrium 7, while still protecting your investment in the previous technology. Support of LTO 8 Type M cartridge (m8): The LTO Program introduced a new capability with LTO-8 drives. The ability of the LTO-8 drive to write 9 TB on a brand new LTO-7 cartridge instead of 6 TB as specified by the LTO-7 format. Such a cartridge is called an LTO-7 initialized LTO-8 Type M cartridge. Integrated TS7700 back-end Fibre Channel (FC) switches are available. Up to four library-managed encryption (LME) key paths per logical library are available. This book describes the TS4500 components, feature codes, specifications, supported tape drives, encryption, new integrated management console (IMC), command-line interface (CLI), and REST over SCSI (RoS) to obtain status information about library components. October 2020 - Added support for the 3592 model 60S tape drive that provides a dual-port 12 Gb SAS (Serial Attached SCSI) interface for host attachment.

The Handbook of Information Security is a definitive 3-volume handbook that offers coverage of both established and cutting-edge theories and developments on information and computer security. The text contains 180 articles from over 200 leading experts, providing the benchmark resource for information security, network security, information privacy, and information warfare.

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