

## How To Convert Pfx File To Keystore With Private Key

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

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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

A step-by-step tutorial covering all components of the View Horizon suite in detail, to ensure that you can utilize all features of the platform, and discover all of the possible ways that it can be used within your own environment. If you are a newcomer in system administration, and you wish to implement a small to midsized Horizon View environment, then this book is for you. It will also benefit individuals who wish to administrate and manage Horizon View more efficiently or are studying for the VCP5-DT.

Build exceptionally scalable cloud applications for fast-growing businesses Microsoft Azure Service Fabric makes it easier than ever before to build large-scale distributed cloud applications. You can quickly develop and update microservice-based applications, efficiently

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operate highly reliable hyperscale services, and deploy the same application code on public, hosted, or private clouds. This book introduces all key Azure Service Fabric concepts and walks you through implementing several real-world applications. You'll find advanced design patterns, tuning tips, and lessons learned from early adopters—all from the perspective of developing and operating large projects in production. Microsoft Azure evangelist Haishi Bai shows how to: Implement background services and use stateless services to handle user requests Solve state-management problems in distributed systems Package, stage, and deploy applications Upgrade applications in place, with zero downtime Leverage Quality of Service (QoS) options throughout app design, implementation, and operation Manage Service Fabric clusters with Windows PowerShell and the Management Portal Configure Service Fabric Diagnostics and analyze collected data Test functionality and performance Design Internet of Things (IoT) solutions that capture and manage petabytes of data Handle demanding real-time data-streaming compute scenarios Understand multitenancy and single-tenancy as logical architecture choices Build Service Fabric game engines to support large-scale, multiplayer online games Model complex systems with the Service Fabric Actors Pattern About This Book For all cloud developers who want to create and operate large-scale distributed cloud applications by using Microsoft Azure Service Fabric For all IT professionals who want to integrate Windows Server and Microsoft Azure in any environment, including datacenters

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A guide to the most frequently used OpenSSL features and commands, written by Ivan Ristic. Comprehensive coverage of OpenSSL installation, configuration, and key and certificate management Includes SSL/TLS

Deployment Best Practices, a design and deployment guide Written by a well-known practitioner in the field and the author of SSL Labs and the SSL/TLS configuration assessment tool Available in a variety of digital formats (PDF, EPUB, Mobi/Kindle); no DRM Continuously updated OpenSSL Cookbook is built around one chapter from Bulletproof SSL/TLS and PKI, a larger work that provides complete coverage of SSL/TLS and PKI topics. To download your free copy in various formats, visit [feistyduck.com/books/openssl-cookbook/](https://feistyduck.com/books/openssl-cookbook/)

Explore powerful Azure DevOps solutions to develop and deploy your software faster and more efficiently. Key Features Build modern microservice-based systems with Azure architecture Learn to deploy and manage cloud services and virtual machines Configure clusters with Azure Service Fabric for deployment Book Description This Learning Path helps you understand microservices architecture and leverage various services of Microsoft Azure Service Fabric to build, deploy, and maintain highly scalable enterprise-grade applications. You will learn to select an appropriate Azure backend structure for your solutions and work with its toolkit and managed apps to share your solutions with its service catalog. As you progress through the Learning Path, you will study Azure Cloud Services, Azure-managed Kubernetes, and Azure Container Services deployment techniques. To apply all that you've understood, you will build an end-to-

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end Azure system in scalable, decoupled tiers for an industrial bakery with three business domains. Toward the end of this Learning Path, you will build another scalable architecture using Azure Service Bus topics to send orders between decoupled business domains with scalable worker roles processing these orders. By the end of this Learning Path, you will be comfortable in using development, deployment, and maintenance processes to build robust cloud solutions on Azure. This Learning Path includes content from the following Packt products: Learn Microsoft Azure by Mohamed Wali Implementing Azure Solutions - Second Edition by Florian Klaffenbach, Oliver Michalski, Markus Klein Microservices with Azure by Namit Tanasseri and Rahul Rai What you will learn Study various Azure Service Fabric application programming models Create and manage a Kubernetes cluster in Azure Kubernetes Service Use site-to-site VPN and ExpressRoute connections in your environment Design an Azure IoT app and learn to operate it in various scenarios Implement a hybrid Azure design using Azure Stack Build Azure SQL databases with Code First Migrations Integrate client applications with Web API and SignalR on Azure Implement the Azure Active Directory (Azure AD) across the entire system Who this book is for If you are an IT system architect, network admin, or a DevOps engineer who wants to implement Azure solutions for your organization, this Learning Path is for you. Basic knowledge of the Azure Cloud platform will be beneficial. "Designed to help enterprise administrators develop real-world, job-role-specific skills--this Training Guide focuses

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on configuring advanced infrastructure services in Windows Server 2012 R2. Build hands-on expertise through a series of lessons, exercises, and suggested practices--and help maximize your performance on the job"--Back Cover.

AdvancED Flash on Devices begins with a discussion of the mobile development landscape—the different players, tools, hardware, platforms, and operating systems. The second part of the book covers Flash Lite and how to take advantage newer features supported in Flash Lite 3.x. Then, the book covers AIR applications for multiple screens and includes topics such as: How to utilize new features of AIR 1.5 and Flash 10 as well as pitfalls to be aware of when building an AIR application for mobile How to include platform and context awareness for better adaptation How to adopt an application on multiple devices using dynamic graphical GUI Creating two full working real life touch screen mobile application The last part of the book covers creating Flex applications running Flash 9 and 10 in mobile device browsers and includes topics such as: How to adopt Flex for multiple mobile device browsers How to create various video players for Flash Lite and Flash 10 and optimize your content. How to take advantage of Flash Media Server Experienced Flash and ActionScript programmers who want to extend their skills to mobile platforms should find this book a great help in developing in this exciting and expanding marketplace.

Configuring Advanced Windows Server 2012 Services Designed to help enterprise administrators develop real-world, job-role-specific skills—this Training Guide focuses

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on advanced configuration of services necessary to deploy, manage and maintain a Windows Server 2012 infrastructure. Build hands-on expertise through a series of lessons, exercises, and suggested practices—and help maximize your performance on the job. This Microsoft Training Guide: Provides in-depth, hands-on training you take at your own pace Focuses on job-role-specific expertise for deploying and managing advanced infrastructure services in Windows Server 2012 Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft Certification exams such as 70-412 Sharpen your skills. Increase your expertise. Configure full forest and domain trust relationships Configure Active Directory (AD) sites and manage AD replication Implement advanced DNS and DHCP solutions Install, configure, and manage AD Certificate Services Manage backups and recover servers Optimize storage and configure advanced file services Manage failover clustering and Network Load Balancing Move virtual machines from one Hyper-V server to another Implement Dynamic Access Control and Active Directory RMS Implement Active Directory Federation Services

You need to maintain clients, servers and networks, while acquiring new skills. Foundations of Cent OS Linux: Enterprise Linux On the Cheap covers a free, unencumbered Linux operating system within the Red Hat lineage, but it does not assume you have a Red Hat Enterprise Linux license. Now you can learn CentOS Linux, the most powerful and popular of all Red Hat clones, keep maintaining your network at work, and become an Red Hat Certified Engineer, all just for the cost of this book. Introduces CentOS Linux and

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Fedora clients as equals to Red Hat Enterprise Linux Sets up CentOS as a secure, high-performance web services back end Prepares you for the RHCE examination, but does not assume an RHEL installation

- This is the latest practice test to pass the AZ-600

Configuring and Operating a Hybrid Cloud with Microsoft Azure Stack Hub Exam. - It contains 81 Questions and Answers. - All the questions are 100% valid and stable. - You can rely on this practice test to pass the exam with a good mark and in the first attempt.

Simulate real-world attacks using tactics, techniques, and procedures that adversaries use during cloud breaches Key Features Understand the different Azure attack techniques and methodologies used by hackers Find out how you can ensure end-to-end cybersecurity in the Azure ecosystem Discover various tools and techniques to perform successful penetration tests on your Azure infrastructure Book Description Security professionals working with Azure will be able to put their knowledge to work with this practical guide to penetration testing. The book provides a hands-on approach to exploring Azure penetration testing methodologies that will help you get up and running in no time with the help of a variety of real-world examples, scripts, and ready-to-use source code. As you learn about the Microsoft Azure platform and understand how hackers can attack resources hosted in the Azure cloud, you'll find out how to protect your environment by identifying vulnerabilities, along with extending your pentesting tools and capabilities. This book starts by taking you through the prerequisites for pentesting Azure and shows you how to set up a pentesting lab. You'll then simulate attacks on Azure assets such as web applications and virtual machines from anonymous and authenticated perspectives. Finally, you'll learn about the opportunities for privilege escalation in Azure tenants and

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ways in which an attacker can create persistent access to an environment. By the end of this book, you'll be able to leverage your ethical hacking skills to identify and implement different tools and techniques to perform successful penetration tests on your own Azure infrastructure. What you will learn

- Identify how administrators misconfigure Azure services, leaving them open to exploitation
- Understand how to detect cloud infrastructure, service, and application misconfigurations
- Explore processes and techniques for exploiting common Azure security issues
- Use on-premises networks to pivot and escalate access within Azure
- Diagnose gaps and weaknesses in Azure security implementations
- Understand how attackers can escalate privileges in Azure AD

Who this book is for This book is for new and experienced infosec enthusiasts who want to learn how to simulate real-world Azure attacks using tactics, techniques, and procedures (TTPs) that adversaries use in cloud breaches. Any technology professional working with the Azure platform (including Azure administrators, developers, and DevOps engineers) interested in learning how attackers exploit vulnerabilities in Azure hosted infrastructure, applications, and services will find this book useful.

Some copies of CompTIA Security+ Study Guide: Exam SY0-501 (9781119416876) were printed without discount exam vouchers in the front of the books. If you did not receive a discount exam voucher with your book, please visit [http://media.wiley.com/product\\_ancillary/5X/11194168/DOWNLOAD/CompTIA\\_Coupon.pdf](http://media.wiley.com/product_ancillary/5X/11194168/DOWNLOAD/CompTIA_Coupon.pdf) to download one. Expert preparation covering 100% of Security+ exam SY0-501 objectives

CompTIA Security+ Study Guide, Seventh Edition offers invaluable preparation for Exam SY0-501. Written by an expert author team, this book covers 100% of the exam objectives with clear, concise explanation. You'll learn how to handle threats, attacks, and vulnerabilities using industry-

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standard tools and technologies, while understanding the role of architecture and design. From everyday tasks like identity and access management to complex topics like risk management and cryptography, this study guide helps you consolidate your knowledge base in preparation for the Security+ exam. Practical examples illustrate how these processes play out in real-world scenarios, allowing you to immediately translate essential concepts to on-the-job application. You also gain access to the Sybex online learning environment, which features a robust toolkit for more thorough prep: flashcards, glossary of key terms, practice questions, and a pre-assessment exam equip you with everything you need to enter the exam confident in your skill set. This study guide is approved and endorsed by CompTIA, and has been fully updated to align with the latest version of the exam. Master essential security technologies, tools, and tasks Understand how Security+ concepts are applied in the real world Study on the go with electronic flashcards and more Test your knowledge along the way with hundreds of practice questions To an employer, the CompTIA Security+ certification proves that you have the knowledge base and skill set to secure applications, devices, and networks; analyze and respond to threats; participate in risk mitigation, and so much more. As data threats loom larger every day, the demand for qualified security professionals will only continue to grow. If you're ready to take the first step toward a rewarding career, CompTIA Security+ Study Guide, Seventh Edition is the ideal companion for thorough exam preparation. Learn the nuts and bolts of cloud computing with Windows Azure, Microsoft's new Internet services platform. Written by a key member of the product development team, this book shows you how to build, deploy, host, and manage applications using Windows Azure's programming model and essential storage services. Chapters in Programming

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Windows Azure are organized to reflect the platform's buffet of services. The book's first half focuses on how to write and host application code on Windows Azure, while the second half explains all of the options you have for storing and accessing data on the platform with high scalability and reliability. Lots of code samples and screenshots are available to help you along the way. Learn how to build applications using the Windows Azure toolset Discover how Windows Azure works under the hood, and learn the how and the why behind several features Choose to write application code in .NET or other languages such as C/C++, PHP, or Ruby Understand the various options for managing your service Get up to speed on Azure's storage services, including blobs, queues, and tables Build a secure backup system, and learn about cloud application security, cryptography, and performance

Covers 100% of exam objectives including threats, attacks, and vulnerabilities; technologies and tools; architecture and design; identity and access management; risk management; cryptography and PKI, and much more... Includes interactive online learning environment and study tools with: + 2 custom practice exams + 100 Electronic Flashcards + Searchable key term glossary + Plus 25 Online Security+ Practice Lab Modules Expert Security+ SY0-501 exam preparation, endorsed by CompTIA, Now with 25 Online Lab Modules The seventh edition of CompTIA Security+ Study Guide offers invaluable preparation for Exam SY0-501. Written by a team of expert authors, the book covers 100% of the exam objectives with clear and concise explanations. Discover how to handle threats, attacks, and vulnerabilities using industry-standard tools and technologies, while gaining and understanding the role of architecture and design. Spanning topics from everyday tasks like identity and access management to complex subjects such as risk management

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and cryptography, this study guide helps you consolidate your knowledge base in preparation for the Security+ exam.

Illustrative examples show how these processes play out in real-world scenarios, allowing you to immediately translate essential concepts to on-the-job application. Coverage of 100% of all exam objectives in this Study Guide means you'll be ready for: Managing Risk Designing and Diagnosing Networks Understanding Devices and Infrastructure Identify and Access Management Protecting Wireless Networks Securing the Cloud Data, Privacy, and Security Practices Cryptography and PKI Interactive learning environment Take your exam prep to the next level with Sybex's superior interactive online study tools. To access our learning environment, simply visit [www.wiley.com/go/sybextestprep](http://www.wiley.com/go/sybextestprep), type in your unique PIN, and instantly gain one year of FREE access to: Interactive test bank with 2 bonus exams and 12 chapter tests. Practice questions help you identify areas where further review is needed. 325 questions total! 100 Electronic Flashcards to reinforce learning and last-minute prep before the exam. Comprehensive glossary in PDF format gives you instant access to the key terms so you are fully prepared. ABOUT THE PRACTICE LABS SECURITY+ LABS So you can practice with hands-on learning in a real environment, Sybex has bundled Practice Labs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months unlimited access to Practice Labs CompTIA Security+ Exam SY0-501 Labs with 25 unique lab modules to practice your skills.

Build and design multiple types of applications that are cross-language, platform, and cost-effective by understanding core Azure principles and foundational concepts Key Features Get familiar with the different design patterns available in Microsoft Azure Develop Azure cloud architecture and a pipeline management system Get to know the security best

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practices for your Azure deployment Book Description Thanks to its support for high availability, scalability, security, performance, and disaster recovery, Azure has been widely adopted to create and deploy different types of application with ease. Updated for the latest developments, this third edition of Azure for Architects helps you get to grips with the core concepts of designing serverless architecture, including containers, Kubernetes deployments, and big data solutions. You'll learn how to architect solutions such as serverless functions, you'll discover deployment patterns for containers and Kubernetes, and you'll explore large-scale big data processing using Spark and Databricks. As you advance, you'll implement DevOps using Azure DevOps, work with intelligent solutions using Azure Cognitive Services, and integrate security, high availability, and scalability into each solution. Finally, you'll delve into Azure security concepts such as OAuth, OpenConnect, and managed identities. By the end of this book, you'll have gained the confidence to design intelligent Azure solutions based on containers and serverless functions. What you will learn Understand the components of the Azure cloud platform Use cloud design patterns Use enterprise security guidelines for your Azure deployment Design and implement serverless and integration solutions Build efficient data solutions on Azure Understand container services on Azure Who this book is for If you are a cloud architect, DevOps engineer, or a developer looking to learn about the key architectural aspects of the Azure cloud platform, this book is for you. A basic understanding of the Azure cloud platform will help you grasp the concepts covered in this book more effectively.

This is an expert level guide that enables you to employ the Citrix XenApp tool to host an effective and secured application virtualization interface. Recipes containing numerous tips and examples are well organized, and cover

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the advanced concepts of building a robust virtualization infrastructure. If you are a Citrix XenApp expert and wish to enhance your skills by learning the advanced features and configurations of a XenApp, then this book is for you. This is a follow up to the Getting Started with Citrix XenApp 6.5 Packt Publishing book. Server administrators willing to explore management and monitoring tools who wish to automate Citrix XenApp configurations with PowerShell scripting will certainly be at ease with this book.

If you are looking for a comprehensive, soup-to-nuts resource on SSL/TLS, look no further. This book, geared towards bridging the gap between the absolute beginner and the veteran IT Professional, combines the theoretical and the practical in equal measure. The first half of our book focuses on foundational theory, covering topics such as: Symmetric vs Asymmetric cryptography One-Way functions Digital Signatures Key Generation History and Context The second half encourages fledgling administrators to jump in with both feet, outlining the quirks of common tasks such as: Generating a signing request for a certificate (CSR) Generating a self-signed certificate (and when it is safe to do or not do so) Converting certificates between different formats including java keystores Configuring servers to meet best practices, not in a vacuum, but for the security and compatibility needs of your business vertical. Are you a systems administrator just starting out? A developer looking to not just implement, but to understand? Or perhaps SSL/TLS has been a

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topic you've avoided over the years because it is very dense and implementation can be fraught with fidgety pitfalls. You can read this book cover to cover, crosswalk to the copiously linked RFCs, or use it as a desk reference. This is SSL/TLS for everyone.

A comprehensive guide to penetration testing cloud services deployed with Microsoft Azure, the popular cloud computing service provider used by companies like Warner Brothers and Apple.

Pentesting Azure Applications is a comprehensive guide to penetration testing cloud services deployed in Microsoft Azure, the popular cloud computing service provider used by numerous companies.

You'll start by learning how to approach a cloud-focused penetration test and how to obtain the proper permissions to execute it; then, you'll learn to perform reconnaissance on an Azure subscription, gain access to Azure Storage accounts, and dig into Azure's Infrastructure as a Service (IaaS). You'll also learn how to:

- Uncover weaknesses in virtual machine settings that enable you to acquire passwords, binaries, code, and settings files
- Use PowerShell commands to find IP addresses, administrative users, and resource details
- Find security issues related to multi-factor authentication and management certificates
- Penetrate networks by enumerating firewall rules
- Investigate specialized services like Azure Key Vault, Azure

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Web Apps, and Azure Automation - View logs and security events to find out when you've been caught Packed with sample pentesting scripts, practical advice for completing security assessments, and tips that explain how companies can configure Azure to foil common attacks, Pentesting Azure Applications is a clear overview of how to effectively perform cloud-focused security tests and provide accurate findings and recommendations.

Get to grips with the most common as well as complex Linux networking configurations, tools, and services to enhance your professional skills Key Features Learn how to solve critical networking problems using real-world examples Configure common networking services step by step in an enterprise environment Discover how to build infrastructure with an eye toward defense against common attacks Book Description As Linux continues to gain prominence, there has been a rise in network services being deployed on Linux for cost and flexibility reasons. If you are a networking professional or an infrastructure engineer involved with networks, extensive knowledge of Linux networking is a must. This book will guide you in building a strong foundation of Linux networking concepts. The book begins by covering various major distributions, how to pick the right distro, and basic Linux network configurations. You'll then move on to Linux network diagnostics, setting up a Linux

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firewall, and using Linux as a host for network services. You'll discover a wide range of network services, why they're important, and how to configure them in an enterprise environment. Finally, as you work with the example builds in this Linux book, you'll learn to configure various services to defend against common attacks. As you advance to the final chapters, you'll be well on your way towards building the underpinnings for an all-Linux datacenter. By the end of this book, you'll be able to not only configure common Linux network services confidently, but also use tried-and-tested methodologies for future Linux installations. What you will learn

Use Linux as a troubleshooting and diagnostics platform

Explore Linux-based network services

Configure a Linux firewall and set it up for network services

Deploy and configure Domain Name System (DNS) and Dynamic Host Configuration Protocol (DHCP) services securely

Configure Linux for load balancing, authentication, and authorization services

Use Linux as a logging platform for network monitoring

Deploy and configure Intrusion Prevention Services (IPS)

Set up Honeytrap solutions to detect and foil attacks

Who this book is for

This book is for IT and Windows professionals and admins looking for guidance in managing Linux-based networks. Basic knowledge of networking is necessary to get started with this book.

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This third edition covers all the essential information and more in-depth topics needed to implement and utilize Microsoft Windows Server 2019 at the core of your datacenter.

This Microsoft Official Academic Course (MOAC) IT Professional curriculum prepares certification students for success every step of the way. This 70-414 Implementing an Advanced Server Infrastructure exam course is the second of a series of two exams Microsoft Certified Solutions Associates (MCSE) candidates are required to pass to gain the MCSE: Windows Server 2012 and Windows Server 2012 R2 certification. These MCSE exams test the skills and knowledge necessary to design, implement, and maintain a Windows Server 2012 infrastructure in an enterprise scaled, highly virtualized environment. Passing these exams confirms students' ability to plan, configure, and implement the Windows Server 2012 services, such as server deployment, server virtualization, and network access and infrastructure. This complete ready-to-teach MOAC program is mapped to all of the exam objectives.

& • Details the JMS API, covering the latest version 1.1, and discusses application development based on IBM WebSphere implementations & & • Key coverage on WebSphere MQ, Websphere MQ Event Broker, JMS administration tasks, and common usage scenarios & & • Examples coding JMS in

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servlets, portlets, EJBs and communicating with non-JMS applications

This book is your most complete source for in-depth information about Microsoft System Center Configuration Manager 2007! System Center Configuration Manager 2007 Unleashed is a comprehensive guide to System Center Configuration Manager (ConfigMgr) 2007. ConfigMgr 2007 helps you manage servers and desktops, integrates SMS 2003 “feature pack” functionality, and adds new capabilities. It enables you to assess, deploy, and update servers, clients, and devices across physical, virtual, distributed, and mobile environments, including clients that connect only over the Internet. This book guides you through designing, deploying, and configuring ConfigMgr 2007 with detailed information on topics such as capacity planning, security, site design and hierarchy planning, server placement, discovery, native mode, and using Windows Server 2008. You will learn how to tackle challenges such as setting up DCM and OSD, customizing inventory, creating queries and using query results, and configuring asset intelligence. Detailed information on how to... • Understand how ConfigMgr works • Plan your ConfigMgr deployment • Manage Windows Management Instrumentation (WMI) • Architect for performance • Install or migrate to ConfigMgr 2007 with Windows 2003 or Windows 2008 • Discover

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and manage clients • Create and distribute packages • Understand patch and compliance management • Create queries • Use reports • Deploy operating systems • Secure ConfigMgr 2007 • Perform site maintenance • Back up ConfigMgr components

Mastering the development of .NET 4.0 applications in C# is less about knowing the Visual C# 2010 language and more about knowing how to use the functionality of the .NET framework class library most effectively. *Visual C# 2010 Recipes* explores the breadth of the .NET Framework class library and provides specific solutions to common and interesting programming problems. Each recipe is presented in a succinct problem/solution format and is accompanied by a working code sample to help you understand the concept and quickly apply it. When you are facing a Visual C# 2010 problem, this book likely contains a recipe providing the solution—or at least points you in the right direction. Even if you are simply looking to broaden your knowledge of the .NET framework class library, *Visual C# 2010 Recipes* is the perfect resource to assist you. This is an updated reference for .NET 4.0 programmers. All code samples come as stand-alone Visual Studio 2010 solutions for your convenience.

Modernize your apps with Microsoft Azure by moving web, desktop, and mobile apps to the cloud Key

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Features Decide which migration strategy is most suitable for your organization and create a migration roadmap Move existing infrastructure to Azure and learn strategies to reduce cost, increase storage, and improve ROI Design secure, scalable, and cost-effective solutions with the help of practical examples Book Description Whether you are trying to re-architect a legacy app or build a cloud-ready app from scratch, using the Azure ecosystem with .NET and Java technologies helps you to strategize and plan your app modernization process effectively. With this book, you'll learn how to modernize your applications by using Azure for containerization, DevOps, microservices, and serverless solutions to reduce development time and costs, while also making your applications robust, secure, and scalable. You will delve into improving application efficiency by using container services such as Azure Container Service, Azure Kubernetes Service (AKS), and more. Next, you will learn to modernize your application by implementing DevOps throughout your application development life cycle. You will then focus on increasing the scalability and performance of your overall application with microservices, before learning how to add extra functionality to your application with Azure serverless solutions. Finally, you'll get up to speed with monitoring and troubleshooting techniques. By the end of this book, you will have learned how to use the Azure

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ecosystem to refactor, re-architect, and rebuild your web, mobile, and desktop applications. What you will learn Use DevOps and containerization technologies to modernize your applications and infrastructure Build microservices using Azure Service Fabric Develop scalable applications using Azure Functions Manage and deploy your application code and database connectivity Secure and monitor your applications in Azure effectively Design for high availability and disaster recovery Who this book is for This book is for .NET and Java developers who want to modernize their applications using Azure. Solution architects and experienced developers interested in modernizing legacy applications using Azure will also find this book useful. Some prior understanding of cloud computing concepts will be beneficial.

A comprehensive, practical guide to accessing virtual desktops, applications, and services through a unified platform About This Book This is the first book on the market that delivers desktops and applications through a single Virtual Desktop Infrastructure platform Reduce enterprise costs by dynamically allocating resources with virtual storage, compute and networking This comprehensive guide provides simplified operations, improved security, and accelerated time-to-value using VMware Horizon 7 Who This Book Is For If you are a newcomer to system administration, and you wish to

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implement the Horizon environment, then this book is for you. Prior knowledge of Horizon is beneficial.

**What You Will Learn** Walk through the configuration of VMware Horizon, including the new Horizon Access Point appliance Implement a multi-site VMware Horizon pod using the Cloud Pod Architecture feature Understand the integration between VMware Horizon and VSAN, and see how they are deployed together Explore how to implement and maintain Microsoft RDS and Linux and Windows Desktop Pools Create and optimize desktop master images. Understand how to manage the SSL certificates for each of the VMware Horizon components. In Detail VMware Horizon 7 has been a buzz since it was announced. One of the major reasons is the introduction of the new Instant Clones feature. This book will complement the product documentation by providing real-life examples of how it is implemented along with the latest features and components of the platform. We'll explore the latest features of the platform, including those added through product acquisitions such as User Environment Manager and App Volumes. Further on, you will also be introduced to the new capabilities added to the core product such Linked-Clone RDS pools. Upon completion of this book, you will have an understanding of the capabilities and benefits VMware Horizon can provide to your organization, and how each of its components are implemented.

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Style and approach This comprehensive guide focuses on the practicality of VMware Horizon and how you can implement it in your organization. Based on the authors' experiences in developing and teaching Symbian OS, this practical guide is perfect for programmers and provides a series of example-based scenarios that show how to develop Symbian applications. Exercises walk the reader through the initial development of a console-based card game engine to a graphical user interface(GUI)-based, two player blackjack game operating over a Bluetooth connection between two mobile phones Addresses how Symbian offers a number of different variants to allow for different user interfaces and screen savers - the most prevalent of these is S60 Discusses how the move toward 3G technology has resulted in an increasing need for mobile application development for S60 devices.

This book is your hands-on guide to infrastructure provisioning and configuration management in the cloud using Chef's open source, cross-platform toolset. With over 10,000 customers joining the Microsoft Azure cloud platform each week and steadily increasing usage, the need for automation approaches has never been greater. This book provides both practical examples and a much needed strategic overview of how these two technologies can be combined. Using Chef with Microsoft Azure takes you through the process of

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writing 'recipes' in Chef to describe your infrastructure as code, and simplify your configuration management processes. You'll also meet the Chef tools that can be used to provision complete environments within Microsoft Azure. There are now a wide variety of tools and approaches that can be taken to provision resources such as virtual machines within Microsoft Azure. This book demonstrates them, discusses the benefits and weaknesses of each approach, and shows how a continuous provisioning pipeline can be established as part of a reliable, repeatable, and robust provisioning process. Each chapter has practical exercises that highlight the capabilities of both Chef and Microsoft Azure from an automation perspective and can be executed on Windows, Mac, or Linux platforms. In this book, you'll learn:

- The purpose and principles behind automated provisioning
- Microsoft Azure concepts and management options
- How to deploy Chef Azure Virtual Machine Extensions using PowerShell, Azure command-line tools, and Chef Provisioning
- Chef Provisioning techniques, including provisioning PaaS resources such as KeyVault
- How to integrate quality tooling into the Chef development lifecycle, including Test Kitchen and InSpec with Azure compute resources
- How to set up a pipeline for continuous provisioning with Chef and Azure

Who This Book Is For This book is for infrastructure platform and operations

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engineers and DevOps specialists/practitioners working with infrastructure and platform provisioning on Microsoft's public cloud, Azure. An understanding of programming in any language would be beneficial, but not necessary as the examples are designed to be easily readable by anyone with general IT experience. While it is expected most users picking up this book will be on the Windows platform, a good proportion of compute workload on the Azure platform is Linux based. As a result the book includes examples that are relevant to both Windows and Linux platforms.

The exponential growth in data over the last decade coupled with a drastic drop in cost of storage has enabled organizations to amass a large amount of data. This vast data becomes the new natural resource that these organizations must tap in to innovate and stay ahead of the competition, and they must do so in a secure environment that protects the data throughout its lifecycle and data access in real time at any time. When it comes to security, nothing can rival IBM® Z, the multi-workload transactional platform that powers the core business processes of the majority of the Fortune 500 enterprises with unmatched security, availability, reliability, and scalability. With core transactions and data originating on IBM Z, it simply makes sense for analytics to exist and run on the same platform. For years, some businesses chose to move their

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sensitive data off IBM Z to platforms that include data lakes, Hadoop, and warehouses for analytics processing. However, the massive growth of digital data, the punishing cost of security exposures as well as the unprecedented demand for instant actionable intelligence from data in real time have convinced them to rethink that decision and, instead, embrace the strategy of data gravity for analytics. At the core of data gravity is the conviction that analytics must exist and run where the data resides. An IBM client eloquently compares this change in analytics strategy to a shift from "moving the ocean to the boat to moving the boat to the ocean," where the boat is the analytics and the ocean is the data. IBM respects and invests heavily on data gravity because it recognizes the tremendous benefits that data gravity can deliver to you, including reduced cost and minimized security risks. IBM Machine Learning for z/OS® is one of the offerings that decidedly move analytics to Z where your mission-critical data resides. In the inherently secure Z environment, your machine learning scoring services can co-exist with your transactional applications and data, supporting high throughput and minimizing response time while delivering consistent service level agreements (SLAs). This book introduces Machine Learning for z/OS version 1.1.0 and describes its unique value proposition. It provides step-by-step guidance for you to get started with the

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program, including best practices for capacity planning, installation and configuration, administration and operation. Through a retail example, the book shows how you can use the versatile and intuitive web user interface to quickly train, build, evaluate, and deploy a model. Most importantly, it examines use cases across industries to illustrate how you can easily turn your massive data into valuable insights with Machine Learning for z/OS.

Learn the intricacies of managing Azure AD, Azure AD Connect as well as Active Directory for administration on cloud and Windows Server 2019 Key Features Expert solutions for the federation, certificates, security, and monitoring with Active Directory Explore Azure AD and AD Connect for effective administration on cloud Automate security tasks using Active Directory and PowerShell Book Description Active Directory is an administration system for Windows administrators to automate network, security and access management tasks in the Windows infrastructure. This book starts off with a detailed focus on forests, domains, trusts, schemas and partitions. Next, you learn how to manage domain controllers, organizational units and the default containers. Going forward, you deep dive into managing Active Directory sites as well as identifying and solving replication problems. The next set of chapters covers the different components

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of Active Directory and discusses the management of users, groups and computers. You also go through recipes that help you manage your Active Directory domains, manage user and groups objects and computer accounts, expiring group memberships and group Managed Service Accounts with PowerShell. You learn how to work with Group Policy and how to get the most out of it. The last set of chapters covers federation, security and monitoring. You will also learn about Azure Active Directory and how to integrate on-premises Active Directory with Azure AD. You learn how Azure AD Connect synchronization works, which will help you manage Azure AD. By the end of the book, you have learned in detail about Active Directory and Azure AD, too. What you will learn Manage new Active Directory features, such as the Recycle Bin, group Managed Service Accounts, and fine-grained password policies Work with Active Directory from the command line and use Windows PowerShell to automate tasks Create and remove forests, domains, and trusts Create groups, modify group scope and type, and manage memberships Delegate control, view and modify permissions Optimize Active Directory and Azure AD in terms of security Who this book is for This book will cater to administrators of existing Active Directory Domain Services environments and/or Azure AD tenants, looking for guidance to optimize their day-to-day

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effectiveness. Basic networking and Windows Server Operating System knowledge would come in handy. The importance of modern computer networks is steadily growing as increasing amounts of data are exchanged over company intranets and the Internet. Understanding current networking technologies and communication protocols that are available for the IBM® mainframe and System z® operating systems is essential for setting up your network infrastructure with IBM z/VSE®. This IBM Redbooks® publication helps you install, tailor, and configure new networking options for z/VSE that are available with TCP/IP for VSE/ESA, IPv6/VSE, and Fast Path to Linux on System z (Linux Fast Path). We put a strong focus on network security and describe how the new OpenSSL-based SSL runtime component can be used to enhance the security of your business. This IBM Redbooks publication extends the information that is provided in Security on IBM z/VSE, SG24-7691.

This 70-412 Configuring Advanced Windows Server 2012 R2 Services textbook covers the third of three exams required for Microsoft Certified Solutions Associate (MCSA): Windows Server 2012 certification. This course will help validate the skills and knowledge necessary to administer a Windows Server 2012 Infrastructure in an enterprise environment. The three MCSA exams collectively validate the skills and knowledge necessary for

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implementing, managing, maintaining and provisioning services and infrastructure in a Windows Server 2012 environment. This Microsoft Official Academic Course is mapped to the 70-412 Configuring Advanced Windows Server 2012 Services exam skills, including the recent R2 objectives. This textbook focuses on real skills for real jobs and prepares students to prove mastery of Advanced Windows Server 2012 Services such as advanced configuring tasks necessary to deploy, manage, and maintain a Windows Server 2012 infrastructure. It covers such skills as fault tolerance, certificate services, and identity federation. In addition, this book also covers such valuable skills as:

- Implementing Advanced Network Services
- Implementing Advanced File Services
- Implementing Dynamic Access Control
- Implementing Network Load Balancing
- Implementing Failover Clustering
- Implementing Disaster Recovery
- Implementing Active Directory Certificate Services (AD CS)
- Implementing Active Directory Federation Services (AD FS)

The MOAC IT Professional series is the Official from Microsoft, turn-key Workforce training program that leads to professional certification and was authored for college instructors and college students. MOAC gets instructors ready to teach and students ready for work by delivering essential resources in 5 key areas: Instructor readiness, student software,

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student assessment, instruction resources, and learning validation. With the Microsoft Official Academic course program, you are getting instructional support from Microsoft; materials that are accurate and make course delivery easy.

Cisco's complete, authoritative guide to Authentication, Authorization, and Accounting (AAA) solutions with CiscoSecure ACS AAA solutions are very frequently used by customers to provide secure access to devices and networks AAA solutions are difficult and confusing to implement even though they are almost mandatory Helps IT Pros choose the best identity management protocols and designs for their environments Covers AAA on Cisco routers, switches, access points, and firewalls This is the first complete, authoritative, single-source guide to implementing, configuring, and managing Authentication, Authorization and Accounting (AAA) identity management with CiscoSecure Access Control Server (ACS) 4 and 5. Written by three of Cisco's most experienced CiscoSecure product support experts, it covers all AAA solutions (except NAC) on Cisco routers, switches, access points, firewalls, and concentrators. It also thoroughly addresses both ACS configuration and troubleshooting, including the use of external databases supported by ACS. Each of this book's six sections focuses on specific Cisco devices and their AAA configuration with ACS. Each chapter covers configuration syntax and examples, debug outputs with explanations, and ACS screenshots. Drawing on the authors' experience with several thousand support cases in organizations of all kinds, AAA Identity Management Security presents pitfalls, warnings, and tips throughout. Each major topic concludes with a practical, hands-on lab scenario corresponding to a real-life solution that has been widely implemented by Cisco customers. This book brings together

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crucial information that was previously scattered across multiple sources. It will be indispensable to every professional running CiscoSecure ACS 4 or 5, as well as all candidates for CCSP and CCIE (Security or R and S) certification.

Implement the new features of Citrix NetScaler 11 to optimize and deploy secure web services on multiple virtualization platforms About This Book Learn how to design, set up, and deploy NetScaler VPX along with the new Jumbo frames in a virtual environment using your GUI as well as your CLI for both public and private clouds to make all your web applications faster and more secure Enrich your networking skills utilizing the new features of AAA by following the instructions to optimize network traffic A step-by-step guide that will show you how to work with the latest NetScaler, 11, by implementing its new features using sample scenarios and real-world examples Who This Book Is For This book is for Citrix administrators who are just getting started with NetScaler, have some basic networking skills This book does not require prior experience of NetScaler. What You Will Learn Configure different VPN solutions and learn about ICA Proxy, Unified Gateway and SSL VPN Set up load balancing for SharePoint, Exchange, Lync, SQL and other Citrix components Gain insights into traffic management with NetScaler, Wireshark, and Citrix Insight Protect your web services with an application firewall, HTTP, DOS, and AAA Optimize traffic using front-end optimization, caching, and compression Deploy a high availability environment Use NetScaler in public cloud providers such as Azure or Amazon Advance your network knowledge of TCP and SSL optimization In Detail With a large demand for responsive websites and availability of services, IT administrators are faced with an ever-rising need for services that are optimized for speed. NetScaler VPX is a software-based virtual appliance that provides users with the comprehensive

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NetScaler feature set. Implementing apps and cloud-based services is much easier with its increased service performance and integrated security features. This book will give you an insight into all the new features that NetScaler VPX™ has to offer. Starting off with the basics, you will learn how to set NetScaler up and configure it in a virtual environment including the new features available in version 11, such as unified gateway and portal theme customization. Next, the book will cover how to deploy NetScaler on Azure and Amazon, and you will also discover how to integrate it with an existing Citrix infrastructure. Next, you will venture into other topics such as load balancing Microsoft and Citrix solutions, configuring different forms of high availability Global Server Load Balancing (GSLB), and network optimization. You will also learn how to troubleshoot and analyze data using NetScaler's extensive array of features. Finally, you will discover how to protect web services using an application firewall and will get to grips with other features such as HTTP, DOS, and AAA. Style and approach This easy-to-follow guide is full of detailed step-by-step instructions on how to implement the key components in NetScaler, using real-world examples and sample scenarios.

25 Essential Windows Home Server Projects Volume 2 is the follow up to the wildly popular guide to getting much, much more from Microsoft's home server platform. Written by Microsoft Windows Home Server MVPs Jim Clark and Christopher Courtney, this eBook provides another 25 detailed, step by step walkthroughs for those seeking to extend the features and usefulness of their home servers - with projects designed for both Windows Home Server v1 and Windows Home Server 2011. Beginners and experts alike will find the eBook essential reading, with a wide range of projects including using your home server with Apple iTunes, building a Recorded TV Collection with Sick Beard, transforming your

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Remote Web Access website into a personal cloud server, updating your Windows Home Server Client Restore CD with the latest drivers and a whole lot more. Advanced users can check out how to install Active Directory on Windows Home Server v1, create a Sharepoint collaboration site and boot the Windows Home Server Restore CD from over the network! This all-new, 822 page guide will help you push Windows Home Server to fulfill its potential in the digital home and small office. Projects include: Stream Music and Movies to Android, iOS and WP7 Devices with Subsonic Convert Your Home Server's Security Certificate to a Friendlier Format Use Windows Home Server as a Time Server Manage PC Updates With Windows Server Update Services Keep Your Electricity Bills in Check with Lights-Out Power Management Update Your Windows Home Server Client Restore Disk With the Latest Drivers Run Virtual Machines on Windows Home Server Spring Clean Your Files and Folders With the Power of De-Duplication Create a SharePoint Collaboration Site on Windows Home Server Back Up Your Home Server's Files to the Cloud for Added Protection Create Your Own Streaming Internet Radio Station With SHOUTcast Build a Widgetised Web Portal for Your Home Server Replicate Your Files and Folders Automatically to an External Storage Device Sync Your Home Server's Files Across Multiple Devices Build and Manage an iTunes Server for Your Network Clean and De-duplicate Your iTunes Music Library Install an FTP Server on Windows Home Server Stream DVDs, Blu-rays and ISOs to Network Devices and Games Consoles Migrate From Windows Home Server to Windows 8 Secure and Monitor Your Home Server's Remote Web Access Manage Your TV Show Recordings With Sick Beard Upgrade Your HP MediaSmart Server to Windows Home Server 2011 Create a Personal Cloud Server with ownCloud Add a Windows Home Server Restore Option to Your PC's Boot Menu Enable

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## Active Directory Support on Windows Home Server v1

Computer security is an ongoing process, a relentless contest between system administrators and intruders. A good administrator needs to stay one step ahead of any adversaries, which often involves a continuing process of education. If you're grounded in the basics of security, however, you won't necessarily want a complete treatise on the subject each time you pick up a book. Sometimes you want to get straight to the point. That's exactly what the new Linux Security Cookbook does. Rather than provide a total security solution for Linux computers, the authors present a series of easy-to-follow recipes--short, focused pieces of code that administrators can use to improve security and perform common tasks securely. The Linux Security Cookbook includes real solutions to a wide range of targeted problems, such as sending encrypted email within Emacs, restricting access to network services at particular times of day, firewalling a webserver, preventing IP spoofing, setting up key-based SSH authentication, and much more. With over 150 ready-to-use scripts and configuration files, this unique book helps administrators secure their systems without having to look up specific syntax. The book begins with recipes devised to establish a secure system, then moves on to secure day-to-day practices, and concludes with techniques to help your system stay secure. Some of the "recipes" you'll find in this book are: Controlling access to your system from firewalls down to individual services, using iptables, ipchains, xinetd, inetd, and more Monitoring your network with tcpdump, dsniff, netstat, and other tools Protecting network connections with Secure Shell (SSH) and stunnel Safeguarding email sessions with Secure Sockets Layer (SSL) Encrypting files and email messages with GnuPG Probing your own security with password crackers, nmap, and handy scripts This cookbook's proven techniques are derived from hard-won experience.

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Whether you're responsible for security on a home Linux system or for a large corporation, or somewhere in between, you'll find valuable, to-the-point, practical recipes for dealing with everyday security issues. This book is a system saver. Learning cryptography and security is fun instead of saying it hard or Complex. This book have concepts, examples of Cryptography principle followed with Applied Cryptography. Chapters presented in this book are independent and can be read in any order. Most of the example utilizes openssl. In Summary you are going to learn and explore below topics

URL Encode Decode, Base64 Encode Decode, ASCII string to hex, Convert ASCII to Hex, PEM Formats, Cryptography Algorithms, Symmetric Key cryptography, Authenticated encryption, Types of Asymmetric Key Algorithms, Quantum Breakable Algorithms, Quantum Secure Algorithms, Cryptography Algorithms, Symmetric Key cryptography, Block ciphers Modes of Operation, Authenticated encryption (both encryption and message integrity)Quantum Breakable AlgorithmsQuantum Secure AlgorithmsAES (Encryption/Decryption), DES (Encryption/Decryption), 3DES (Encryption/Decryption)BlowFish(Encryption/Decryption), RC4 (Encryption/Decryption)Assymtetric Key Cryptography, RSA (Encryption/Decryption), DSA (Keygen,Sign File,Verify Sig), PKI, TLS v1.3, ECDSA Key exchange, Diffie-Hellman, Message Digests, MAC (Message Authentication Codes), HMAC Generate HMAC, Secure Password Hashing bcrypt password hash PBKDF2 (PBE Encryption/Decryption)srypt password hash Crypt hash functions and limitation, MD5 password generate Generate password for /etc/passwdCipher SuiteManaging Certificates.(Self Sign/rootCA, create ecc,rsa,dsa certificates)SMIMEGPG (Sign/verify/store,create Authentication Key )GnuPG for SSH authenticationHardening Modern Certificates & TLS ConfigurationNginx Secure Configuration ()Apache Secure

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ConfigurationHAProxy Secure ConfigurationAWS ELB  
Secure ConfigurationTesting HTTPS Services, Openssl  
HTTPS Testing, SSH Key Gen, Java Keytool/Keystore  
IPtables

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