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Cisco IOS XR Fundamentals

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Top-Down Network Design

Troubleshooting Cisco Nexus Switches and NX-OS

Zabbix 5 IT Infrastructure Monitoring Cookbook
Router Configuration
Cisco IOS Cookbook
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Cisco ISP Essentials

Cisco Press

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: ζ Network redundancy ζ Modularity in network designs ζ The Cisco SAFE security reference

architecture ζ The Rapid Spanning Tree Protocol (RSTP) ζ Internet Protocol version 6 (IPv6) ζ Ethernet scalability options, including 10-Gbps Ethernet and Metro Ethernet ζ Network design and management tools [Cisco Security Secrets & Solutions](#) Pearson Education Cisco ASA, PIX, and FWSM Firewall Handbook, Second Edition, is a guide for the most commonly implemented features of the popular Cisco® firewall security solutions. Fully updated to cover the

latest firewall releases, this book helps you to quickly and easily configure, integrate, and manage the entire suite of Cisco firewall products, including ASA, PIX®, and the Catalyst® Firewall Services Module (FWSM). Organized by families of features, this book helps you get up to speed quickly and efficiently on topics such as file management, building connectivity, controlling access, firewall management, increasing availability with failover, load balancing, logging,

and verifying operation. Sections are marked by shaded tabs for quick reference, and information on each feature is presented in a concise format, with background, configuration, and example components. Whether you are looking for an introduction to the latest ASA, PIX, and FWSM devices or a complete reference for making the most out of your Cisco firewall deployments, Cisco ASA, PIX, and FWSM Firewall Handbook, Second Edition, helps you

achieve maximum protection of your network resources. “Many books on network security and firewalls settle for a discussion focused primarily on concepts and theory. This book, however, goes well beyond these topics. It covers in tremendous detail the information every network and security administrator needs to know when configuring and managing market-leading firewall products from Cisco.”
—Jason Nolet, Vice President of Engineering,

Security Technology Group, Cisco David Hucaby, CCIE® No. 4594, is a lead network engineer for the University of Kentucky, where he works with health-care networks based on the Cisco Catalyst, ASA, FWSM, and VPN product lines. He was one of the beta reviewers of the ASA 8.0 operating system software. Learn about the various firewall models, user interfaces, feature sets, and configuration methods Understand how a Cisco firewall inspects traffic Configure firewall

interfaces, routing, IP addressing services, and IP multicast support Maintain security contexts and flash and configuration files, manage users, and monitor firewalls with SNMP Authenticate, authorize, and maintain accounting records for firewall users Control access through the firewall by implementing transparent and routed firewall modes, address translation, and traffic shunning Define security policies that identify and act on various types of

traffic with the Modular Policy Framework Increase firewall availability with firewall failover operation Understand how firewall load balancing works Generate firewall activity logs and learn how to analyze the contents of the log Verify firewall operation and connectivity and observe data passing through a firewall Configure Security Services Modules, such as the Content Security Control (CSC) module and the Advanced Inspection Processor (AIP) module

This security book is part of the Cisco Press® Networking Technology Series. Security titles from Cisco Press help networking professionals secure critical data and resources, prevent and mitigate network attacks, and build end-to-end self-defending networks. Category: Networking: Security Covers: Cisco ASA 8.0, PIX 6.3, and FWSM 3.2 version firewalls [CCIE Wireless v3 Study Guide](#) Packt Publishing Ltd Cisco® Nexus switches and the new NX-OS

operating system are rapidly becoming the new de facto standards for data center distribution/aggregation layer networking. NX-OS builds on Cisco IOS to provide advanced features that will be increasingly crucial to efficient data center operations. NX-OS and Cisco Nexus Switching is the definitive guide to utilizing these powerful new capabilities in enterprise environments. In this book, three Cisco consultants cover every facet of deploying,

configuring, operating, and troubleshooting NX-OS in the data center. They review the key NX-OS enhancements for high availability, virtualization, In-Service Software Upgrades (ISSU), and security. In this book, you will discover support and configuration best practices for working with Layer 2 and Layer 3 protocols and networks, implementing multicasting, maximizing serviceability, providing consistent network and storage services, and much more. The authors

present multiple command-line interface (CLI) commands, screen captures, realistic configurations, and troubleshooting tips—all based on their extensive experience working with customers who have successfully deployed Nexus switches in their data centers. Learn how Cisco NX-OS builds on and differs from IOS Work with NX-OS user modes, management interfaces, and system files Configure Layer 2 networking: VLANs/private VLANs, STP, virtual port channels,

and unidirectional link detection Configure Layer 3 EIGRP, OSPF, BGP, and First Hop Redundancy Protocols (FHRPs) Set up IP multicasting with PIM, IGMP, and MSDP Secure NX-OS with SSH, Cisco TrustSec, ACLs, port security, DHCP snooping, Dynamic ARP inspection, IP Source Guard, keychains, Traffic Storm Control, and more Build high availability networks using process modularity and restart, stateful switchover, nonstop forwarding, and in-service software upgrades Utilize

NX-OS embedded serviceability, including Switched Port Analyzer (SPAN), Smart Call Home, Configuration Checkpoint/Rollback, and NetFlow Use the NX-OS Unified Fabric to simplify infrastructure and provide ubiquitous network and storage services Run NX-OS on Nexus 1000V server-based software switches This book is part of the Networking Technology Series from Cisco Press®, which offers networking professionals valuable information for constructing efficient

networks, understanding new technologies, and building successful careers.

CCNA Rout Swit Com Gd ePub_3 Pearson Education

In *The Imagined and Real Jerusalem in Art and Architecture* specialists in various fields of art history, from Early Christian times to the present, discuss in depth a series of Western artworks, artefacts, and buildings, which question the visualization of Jerusalem.

SolarWinds Server &

Application Monitor : Deployment and Administration Springer Science & Business Media
Securing and Controlling Cisco Routers demonstrates proven techniques for strengthening network security. The book begins with an introduction to Cisco technology and the TCP/IP protocol suite. Subsequent chapters cover subjects such as routing, routing protocols, IP addressing, and Cisco Authentication, Authorization, and Accounting services (AAA)

TOP-DOWN NET DES _c3
 Cisco Systems
ACI Advanced Monitoring and Troubleshooting provides a solid conceptual foundation and in-depth technical knowledge for monitoring and troubleshooting virtually any problem encountered during testing, deployment, or operation of Cisco Application Centric Infrastructure (ACI) infrastructure. Authored by leading ACI support experts at Cisco, it covers all you'll need to keep your ACI deployment

working optimally.
 Coverage includes: Core ACI concepts and components, including Nexus 9000 Series platforms, APIC controllers, and protocols In-depth insight into ACI's policy model ACI fabric design options: single and multiple data centers, stretched vs. multiple fabrics, and multi-pod/multi-site Automation, orchestration, and the cloud in ACI environments ACI topology and hardware/software specifications End host

and network connectivity VMM integration Network management configuration, including SNMP, AAA, and SPAN Monitoring ACI fabrics and health Getting immediate results through the NX-OS command line interface Troubleshooting use cases: fabric discovery, APIC, management access, contracts, external connectivity, leaf/spine connectivity, end-host connectivity, VMM problems, ACI multi-pod/multi-site problems, and more
Guide to Cisco Routers

Configuration Packt Publishing Ltd
 Fully updated: The complete guide to Cisco Identity Services Engine solutions Using Cisco Secure Access Architecture and Cisco Identity Services Engine, you can secure and gain control of access to your networks in a Bring Your Own Device (BYOD) world. This second edition of Cisco ISE for BYOD and Secure Unified Access contains more than eight brand-new chapters as well as extensively updated coverage of all

the previous topics in the first edition book to reflect the latest technologies, features, and best practices of the ISE solution. It begins by reviewing today's business case for identity solutions. Next, you walk through ISE foundational topics and ISE design. Then you explore how to build an access security policy using the building blocks of ISE. Next are the in-depth and advanced ISE configuration sections, followed by the troubleshooting and monitoring chapters.

Finally, we go in depth on the new TACACS+ device administration solution that is new to ISE and to this second edition. With this book, you will gain an understanding of ISE configuration, such as identifying users, devices, and security posture; learn about Cisco Secure Access solutions; and master advanced techniques for securing access to networks, from dynamic segmentation to guest access and everything in between. Drawing on their cutting-edge experience

supporting Cisco enterprise customers, the authors offer in-depth coverage of the complete lifecycle for all relevant ISE solutions, making this book a cornerstone resource whether you're an architect, engineer, operator, or IT manager.

- ◆ Review evolving security challenges associated with borderless networks, ubiquitous mobility, and consumerized IT
- ◆ Understand Cisco Secure Access, the Identity Services Engine (ISE), and the building blocks of

complete solutions ♦
Design an ISE-enabled network, plan/distribute ISE functions, and prepare for rollout ♦ Build context-aware security policies for network access, devices, accounting, and audit ♦ Configure device profiles, visibility, endpoint posture assessments, and guest services ♦ Implement secure guest lifecycle management, from WebAuth to sponsored guest access ♦ Configure ISE, network access devices, and supplicants, step by step ♦ Apply best

practices to avoid the pitfalls of BYOD secure access ♦ Set up efficient distributed ISE deployments ♦ Provide remote access VPNs with ASA and Cisco ISE ♦ Simplify administration with self-service onboarding and registration ♦ Deploy security group access with Cisco TrustSec ♦ Prepare for high availability and disaster scenarios ♦ Implement passive identities via ISE-PIC and EZ Connect ♦ Implement TACACS+ using ISE ♦ Monitor, maintain, and

troubleshoot ISE and your entire Secure Access system ♦ Administer device AAA with Cisco IOS, WLC, and Nexus *Securing and Controlling Cisco Routers* Packt Publishing Ltd
Over 90 recipes to maximize automated solutions and policy-drive application profiles using Cisco ACI About This Book
Confidently provision your virtual and physical infrastructure for application deployment
Integrate Cisco ACI with hypervisors and other third party devices Packed

with powerful recipes to automate your IT operations Who This Book Is For If you are a network administrator, system administrator, or engineer and are aware of the basics of Cisco ACI but want to start using it to automate your tasks, then this book is for you What You Will Learn Master the Cisco ACI architecture Discover the ACI fabric with easy-to-follow steps Set up quality of service within ACI Configure external networks with Cisco ACI Integrate with VMware and track

VMware virtual machines Configure apply and verify access policies Extend or migrate a VMware virtual-machine LAN inside the ACI fabric Monitor ACI with third party tools and troubleshoot issues In Detail Cisco Application Centric Infrastructure (ACI) is a tough architecture that automates IT tasks and accelerates data-center application deployments. This book focuses on practical recipes to help you quickly build, manage, and customize hybrid environment for

your organization using Cisco ACI. You will begin by understanding the Cisco ACI architecture and its major components. You will then configure Cisco ACI policies and tenants. Next you will connect to hypervisors and other third-party devices. Moving on, you will configure routing to external networks and within ACI tenants and also learn to secure ACI through RBAC. Furthermore, you will understand how to set up quality of service and network programming

with REST, XML, Python and so on. Finally you will learn to monitor and troubleshoot ACI in the event of any issues that arise. By the end of the book, you will gain have mastered automating your IT tasks and accelerating the deployment of your applications. Style and approach A set of exciting recipes to automate your IT operations related to datacenters, the Cloud, and networking tasks

End-to-End Network Security "O'Reilly Media, Inc."

Essential SNMP"O'Reilly Media, Inc."
Cisco IOS XR Fundamentals Packt Publishing Ltd
Cisco IOS XR Fundamentals is a systematic, authoritative guide to configuring routers with Cisco IOS® XR, the next-generation flagship Cisco® Internet operating system. In this book, a team of Cisco experts brings together quick, authoritative, and example-rich reference information for all the commands most frequently used to

configure and troubleshoot Cisco IOS XR-based routers in both service provider and enterprise environments. The authors walk you through the details of the Cisco IOS XR architecture and explain commands in the new Cisco IOS XR CLI wherever required. They present concise explanations of service provider requirements and internetwork theory, backed by proven sample configurations for IOS XR services, MPLS, multicast, system management, system security, routing,

and interfaces. Cisco IOS XR Fundamentals is an indispensable resource for designing, implementing, troubleshooting, administering, or selling networks containing Cisco IOS XR-supported routers. This is the only Cisco IOS XR book that: Clearly explains how Cisco IOS XR meets the emerging requirements of both current and future networks Gives network professionals extensive information for simplifying migration and taking full advantage of Cisco IOS XR's new power Presents

detailed, tested configuration examples that network professionals can apply in their own networks Walks through using new Cisco IOS XR features and the In-Service Software Upgrade (ISSU) process to minimize downtime and cost Use Cisco IOS XR to deliver superior scalability, availability, security, and service flexibility Understand the Cisco IOS XR distributed, modular architecture Design, implement, and troubleshoot networks containing Cisco IOS

XR-supported routers Configure Cisco IOS XR routing, including RIP, IS-IS, OSPF, and EIGRP Learn BGP implementation details specific to Cisco IOS XR and using RPL to influence policies Manage IP addresses and Cisco IOS XR services Secure Cisco IOS XR using standard and extended ACLs, prefix lists, and uRPF Master all facets of MPLS configuration, including LDP, L3VPN, and TE Configure PIM, IGMP, and static RP multicast Optimize networks using advanced Cisco IOS XR

features, including secure domain routers Learn building blocks of Multishelf, and understand configurations and migration techniques This book is part of the Cisco Press® Fundamentals Series. Books in this series introduce networking professionals to new networking technologies, covering network topologies, sample deployment concepts, protocols, and management techniques. [Time-Saving Techniques for JUNOS Software](#)

[Configuration](#) Cisco Press The all-in-one practical guide to supporting Cisco networks using freeware tools. **CCNA Routing and Switching Portable Command Guide** Pearson Education A comprehensive guide to learning Cacti and using it to implement performance measurement and reporting within a Network Operations Center About This Book A complete Cacti book that focuses on the basics as well as the advanced

concepts you need to know for implementing a Network Operations Center A step-by-step Beginner's Guide with detailed instructions on how to create and implement custom plugins Written by Thomas Urban - creator of the "Cereus" and "NMID" plugins for Cacti known as Phalek in the Cacti forum Who This Book Is For If you are a network operator and want to use Cacti for implementing performance measurement for trending, troubleshooting,

and reporting purposes, then this book is for you. You only need to know the basics of network management and SNMP.

What You Will Learn

- Setting up Cacti on Linux and Windows systems
- Extending the core functionality by using the plugin architecture
- Building your own custom plugins
- Creating your own custom data input method to retrieve data from your systems
- Using SNMP, SSH, and WMI to retrieve remote performance data
- Designing and create enterprise-class reports

- with the reporting plugins
- Implementing threshold-based alerting using the Thold plugin
- Automating common administrative tasks utilizing the command-line interface and the automate functionality
- Migrating Cacti to new servers
- Building a multi remote-poller environment

In Detail

Cacti is a performance measurement tool that provides easy methods and functions for gathering and graphing system data. You can use Cacti to develop a robust

event management system that can alert on just about anything you would like it to. But to do that, you need to gain a solid understanding of the basics of Cacti, its plugin architecture, and automation concepts.

Cacti Beginner's Guide will introduce you to the wide variety of features of Cacti and will guide you on how to use them for maximum effectiveness. Advanced topics such as the plugin architecture and Cacti automation using the command-line interface will help you

build a professional performance measurement system. Designed as a beginner's guide, the book starts off with the basics of installing and using Cacti, and also covers the advanced topics that will show you how to customize and extend the core Cacti functionalities. The book offers essential tutorials for creating advanced graphs and using plugins to create enterprise-class reports to show your customers and colleagues. From data templates to input

methods and plugin installation to creating your own customized plugins, this book provides you with a rich selection of step-by-step instructions to reach your goals. It covers all you need to know to implement professional performance measurement techniques with Cacti and ways to fully customize Cacti to fit your needs. You will also learn how to migrate Cacti to new servers. Lastly you will also be introduced to the latest feature of building a scalable remote

poller environment. By the end of the book, you will be able to implement and extend Cacti to monitor, display, and report the performance of your network exactly the way you want. Style and approach Written for beginners to Cacti, this book contains step-by-step instructions and hands-on tutorials for network operators to learn how to implement and use the core Cacti functions.

[CCNA Wireless 640-722 Official Cert Guide](#) Cisco Press

The Juniper Networks routing platforms are becoming the go-to solution for core, edge, metro and remote office networks, and JUNOS software is behind it all. The operating system is so full of industrial-strength routing protocols and IP innovations that those treading into the world of JUNOS will need clarification, explanation, and a showcase example or two. Look no further. This JUNOS Cookbook provides it all and more. Yes, you can mine through the 5,000 pages

of documentation or take a two-thousand-dollar training course, but JUNOS's interprocess sophistication can be baffling unless you know the shortcuts and tricks, as well as those rays of illuminating comprehension that can come only from those who live with it. JUNOS Cookbook is the first comprehensive book about JUNOS software and it provides over 200 time-saving step-by-step techniques including discussions about the processes and alternative

ways to perform the same task. It's been tested and tech-reviewed by field engineers who know how to take JUNOS out for a spin and it's applicable to the entire line of M-, T-, and J-series routers. JUNOS Cookbook will not only pay for itself the first few times you use it, it will make your network easier to manage and update. "Aviva Garrett has done a tremendous job of distilling the features of JUNOS software in a form that will be useful for a wide audience-students, field

engineers, network architects, and other networking professionals alike will benefit from this book. For many people, this is the only book on JUNOS they will need."Pradeep Sindhu, CTO and Founder, Juniper Networks "This cookbook is superb. Aviva Garrett has masterfully assembled a complete set of practical real-world examples with step-by-step instructions. Security, management, routing: it's all here!"Stephen Gill, Research Fellow, Team

Cymru "A technical time-saver for any NOC or SOC working with JUNOS. It's clear, concise, and informative recipes are an invaluable resource. "Scott A. McIntyre, Security Officer, XS4ALL Internet B.V *CCNP Data Center Application Centric Infrastructure 300-620 DCACI Official Cert Guide* McGraw Hill Professional The key to efficiently running networks is proper management. Performance management measures a networks level of

operation, ensures that it maintains an acceptable level, and provides information for expanding the network. Fault management detects, logs, and notifies users of network problems and automatically fixes many problems to keep the network running effectively. These two management concepts go hand-in-hand by defining the capability of a network, then identifying and repairing problems. This technology is complex and even experience networking

professionals struggle with these concepts and look for quantity instruction on how to implement them. Performance and Fault Management is a comprehensive guide to designing and implementing effective solutions that will measure and report the effectiveness of Cisco networks.

Top-Down Network Design Essential SNMP Thoroughly prepare for the revised Cisco CCIE Wireless v3.x certification exams Earning Cisco CCIE

Wireless certification demonstrates your broad theoretical knowledge of wireless networking, your strong understanding of Cisco WLAN technologies, and the skills and technical knowledge required of an expert-level wireless network professional. This guide will help you efficiently master the knowledge and skills you'll need to succeed on both the CCIE Wireless v3.x written and lab exams. Designed to help you efficiently focus your study, achieve mastery, and build

confidence, it focuses on conceptual insight, not mere memorization. Authored by five of the leading Cisco wireless network experts, it covers all areas of the CCIE Wireless exam blueprint, offering complete foundational knowledge for configuring and troubleshooting virtually any Cisco wireless deployment. Plan and design enterprise-class WLANs addressing issues ranging from RF boundaries to AP positioning, power levels, and density Prepare and

set up wireless network infrastructure, including Layer 2/3 and key network services Optimize existing wired networks to support wireless infrastructure Deploy, configure, and troubleshoot Cisco IOS Autonomous WLAN devices for wireless bridging Implement, configure, and manage AireOS Appliance, Virtual, and Mobility Express Controllers Secure wireless networks with Cisco Identity Services Engine: protocols, concepts, use cases, and

configuration Set up and optimize management operations with Prime Infrastructure and MSE/CMX Design, configure, operate, and troubleshoot WLANs with real-time applications [Troubleshooting Cisco Nexus Switches and NX-OS](#) Cisco Press Learn Cacti and design a robust Network Operations Center. [Zabbix 5 IT Infrastructure Monitoring Cookbook](#) Cisco Press Go beyond layer 2 broadcast domains with this in-depth tour of

advanced link and internetwork layer protocols, and learn how they enable you to expand to larger topologies. An ideal follow-up to [Packet Guide to Core Network Protocols](#), this concise guide dissects several of these protocols to explain their structure and operation. This isn't a book on packet theory. Author Bruce Hartpence built topologies in a lab as he wrote this guide, and each chapter includes several packet captures. You'll learn about protocol

classification, static vs. dynamic topologies, and reasons for installing a particular route. This guide covers: Host routing—Process a routing table and learn how traffic starts out across a network Static routing—Build router routing tables and understand how forwarding decisions are made and processed Spanning Tree Protocol—Learn how this protocol is an integral part of every network containing switches Virtual Local Area

Networks—Use VLANs to address the limitations of layer 2 networks Trunking—Get an indepth look at VLAN tagging and the 802.1Q protocol Routing Information Protocol—Understand how this distance vector protocol works in small, modern communication networks Open Shortest Path First—Discover why convergence times of OSPF and other link state protocols are improved over distance vectors Createspace Independent Publishing Platform Fast answers and reliable

solutions for all widely-used Cisco router features - all in one time-saving guide Organized for maximum efficiency: describes actual commands and options in the sequence they should be used Helps network pros eliminate time-consuming documentation searches Extensive updates: IPv6, MPLS, AutoQoS, SIP, MGCP, voice troubleshooting, VPNs, security, and more "At-a-glance" illustrations offer fast answers and easy double-checking Locating reliable Cisco

router configuration command information can require extensive, time-consuming research. Cisco Router Configuration Handbook, 2/e, is the solution: a day-to-day reference to the most widely used Cisco router features and configurations. Straight from Cisco experts, it covers every facet of router configuration, including fundamentals, network protocols, packet processing, voice/telephony, security, and more. This book is organized for maximum

efficiency. Related features are covered together, and features and options are covered in the sequence in which they are typically used. Shaded tabs mark each section for quick reference. Information on each feature, technology, or protocol is presented in a concise one- or two-page format, with sections presenting quick facts, configuration information, and step-by-step examples, including both required and optional commands. Simply put, this book

brings together all the Cisco routing configuration information most network professionals will ever need - and organizes it more efficiently than any other resource.

Router Configuration

"O'Reilly Media, Inc."

The all-in-one guide to the what, why, and how of modern campus network design.

Cisco IOS Cookbook

"O'Reilly Media, Inc."

Discover practical recipes to help you efficiently monitor enterprise IT infrastructure for

Windows, Linux, and networking Key Features Find out how you can leverage some of the most exciting features of Zabbix 5 Perform professional IT infrastructure and application monitoring on multiple platforms Discover easy-to-follow, practical solutions to problems in network monitoring with Zabbix Book Description Zabbix offers useful insights into your infrastructure performance and issues and enables you to enhance your monitoring

setup with its variety of powerful features. This book covers hands-on, easy-to-follow recipes for using Zabbix 5 for effectively monitoring the performance of devices and applications over networks. The book starts by guiding you through the installation of Zabbix and using the Zabbix frontend. You'll then work your way through the most prominent features of Zabbix and make the right design choices for building a scalable and easily manageable environment. The book

contains recipes for building items and triggers for different types of monitoring, building templates, and using Zabbix proxies. As you advance, you'll learn how to use the Zabbix API for customization and manage your Zabbix server and database efficiently. Finally, you'll find quick solutions to the common and not-so-common problems that you may encounter in your everyday Zabbix monitoring work. By the end of this Zabbix book, you'll have learned how to

use Zabbix for all your monitoring needs and be able to build a solid Zabbix setup by leveraging its key functionalities. What you will learn Explore the different types of monitoring available in Zabbix 5 Find out how to build your own Zabbix templates Use Zabbix proxies for effective load

balancing/scaling Work with custom integrations and the Zabbix API Set up triggers and alerting with Zabbix 5 Maintain your Zabbix setup for scaling, backups, and upgrades Discover how to perform advanced Zabbix database management Monitor cloud-based products such as Amazon Web Services (AWS),

Azure, and Docker Who this book is for This book is for IT engineers who want to get started with Zabbix and anyone with an intermediate understanding of Zabbix looking to extend their knowledge. Although not necessary, prior experience with Zabbix will help you to make the most of this book.

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