
Zabbix Network Monitoring Second Edition

Twenty-sixth AIAA International Communication Satellite Systems Conference 2008

Open Source Systems: Long-Term Sustainability

Zabbix Network Monitoring Essentials

Recent Advances in Information and Communication Technology

Softwareentwicklung von Kopf bis Fuss

Keine Angst vor Weißraum!

Systems and Network Infrastructure Integration

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Zabbix Network Monitoring

CompTIA Network+ Certification All-in-One Exam Guide, Eighth Edition (Exam N10-008)

Zabbix 6 IT Infrastructure Monitoring Cookbook - Second Edition

Die Xbox hacken.

Leading Change

Performance Evaluation Models for Distributed Service Networks

Mastering Zabbix - Second Edition

IT-GRC-Management – Governance, Risk und Compliance

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Zabbix 6 IT Infrastructure Monitoring Cookbook

Struts 2 im Einsatz

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Core Servlets und Java Server Pages.

Zeitmanagement für Systemadministratoren

Mastering pfSense,

Die Boost C++ Bibliotheken

MARKS REGINA

Twenty-sixth AIAA International Communication Satellite Systems Conference 2008 Packt Publishing Ltd Computer and Information Technology (CIT) are now involved in governmental, industrial, and business domains more than ever. Thus, it is important for CIT personnel to continue academic research to improve technology and its adoption to modern applications. The up-to-date research and technologies must be distributed to researchers and CIT community continuously to aid future development. The 10th International Conference on Computing and Information Technology (IC 2 IT2014) organized by King Mongkut's University of Technology North Bangkok (KMUTNB) and partners provides an exchange of the state of the art and future developments in the two key areas of this process: Computer Networking and Data Mining. Behind the background of the foundation of ASEAN, it becomes clear that efficient languages, business principles and communication methods need to be adapted, unified and especially optimized to gain a maximum benefit to the users and customers of future IT systems.

Open Source Systems: Long-Term Sustainability Packt Publishing Ltd Eine Microservices-Architektur unterteilt Software-Systeme in eine Vielzahl kleiner Dienste, die unabhängig voneinander in Produktion gebracht werden können. Jedes Team arbeitet dabei an seinen Microservices und ist weitgehend entkoppelt von anderen Teams, das erlaubt eine einfache Skalierung agiler Prozesse. Die

Aufteilung in Microservices schützt gegen den Verfall der Architektur, sodass die Systeme auch langfristig wartbar bleiben. Zudem können Legacy-Systeme durch Microservices ergänzt werden, ohne dabei den alten Code zu ändern. Und auch Continuous Delivery ist einfacher umsetzbar. Eberhard Wolff bietet Ihnen in diesem Buch eine umfangreiche Einführung in das Thema Microservices. Dabei geht es u.a. um: Vor- und Nachteile des Microservice-Ansatzes Microservices vs. SOA Die übergreifende Architektur von Microservice-Systemen Die Architektur einzelner Services Auswirkungen auf Projektorganisation, Betrieb, Testen und Deployment Nanoservices Das Buch erläutert technologieneutrale Konzepte und Architekturen, die mit verschiedenen Technologien umgesetzt werden können. Als Beispiel für einen konkreten Technologie-Stack wird Java mit Spring Boot, dem Netflix-Stack und Spring Cloud gezeigt. Anhand von vielen Beispielen und konkreten Szenarien lernen Sie, wie Microservices möglichst gewinnbringend genutzt werden können. Außerdem erhalten Sie Anregungen, das Gelernte durch eigene Experimente weiter zu vertiefen. In der zweiten Auflage wurde der Abschnitt zu Domain-Driven Design komplett überarbeitet. Erweitert wurde die beispielhafte Beschreibung von Microservices-Technologien: Neben dem Netflix-Stack werden nun auch Alternativen erwähnt. Außerdem wurden die Essays zur Evolution von Microservices und zu Microservices in der Amazon Cloud aktualisiert.

Zabbix Network Monitoring Essentials
Packt Publishing Ltd

Was lernen Sie mit diesem Buch? Haben Sie sich schon einmal gefragt, was es mit testgetriebener Entwicklung auf sich

hat? Oder auf welcher Basis es die richtig guten Consultants schaffen, gewaltige Stundensätze zu kassieren? Vielleicht sind Sie auch gerade an dem Punkt, an dem Sie Ihre Builds automatisieren wollen, Ihren Code in eine Versionskontrolle füttern, einem Refactoring unterziehen oder mit ein paar Entwurfsmustern anreichern wollen. Egal: Wenn Sie mit diesem Buch fertig sind, werden Sie ganz selbstverständlich Ihre Burndown-Rate verfolgen, den Durchsatz Ihres Teams berücksichtigen und sich erfolgreich Ihren Weg durch Anforderungen, Entwurf, Entwicklung und Auslieferung iterieren. Wieso sieht dieses Buch so anders aus? Wir gehen davon aus, dass Ihre Zeit zu kostbar ist, um mit neuem Stoff zu kämpfen. Statt Sie mit Bleiwüstentexten langsam in den Schlaf zu wiegen, verwenden wir für Softwareentwicklung von Kopf bis Fuß ein visuell und inhaltlich abwechslungsreiches Format, das auf Grundlage neuester Forschungsergebnisse im Bereich der Kognitionswissenschaft und der Lerntheorie entwickelt wurde. Wir wissen nämlich, wie Ihr Gehirn arbeitet. *Recent Advances in Information and Communication Technology* Packt Publishing Ltd

Happy Hours don't make you happy? Gehören Sie auch zu den Menschen, bei denen Stehpartys, Smalltalks und Happy-Hour-Events unweigerlich Fluchtimpulse auslösen? Die lieber ruhige Face-to-face-Unterhaltungen mögen statt turbulente Massenevents? Devora Zack ist Networking-Expertin – introvertierte Networking-Expertin. Sie nimmt sich der »verstaubten alten Regeln« des Networking an und stellt sie auf den Kopf. Niemand muss zum leutseligen Extrovertierten mutieren, um erfolgreicher Networker zu sein. Mit viel

Humor und Sachverstand vermittelt das Buch, wie exakt die Eigenschaften, die uns zu Networking-Hassern machen, uns helfen können, Networking zu betreiben, das unserem Temperament entspricht. »Ich kenne keinen Menschen, der von der Kunst des Networkings nicht ungemein profitiert hätte – solange er es nach seinen eigenen Regeln tun konnte«, schreibt die Autorin. »Die Verleugnung des eigenen Temperaments ist keine Option; wer erfolgreich sein will, muss mit seinen Stärken arbeiten.«

Softwareentwicklung von Kopf bis Fuss Packt Publishing Ltd

Learn how to gather detailed statistics and data with this one-stop, comprehensive course along with hands-on recipes to get your infrastructure up and running with Zabbix. About This Book Monitor your network and deploy impressive business solutions with Zabbix Get practical recipes to automate your Zabbix infrastructure and create impressive graphs Integrate, customize, and extend your monitoring solutions with external components and software. Who This Book Is For This course is for System Administrators who have been managing and monitoring infrastructure. You do not need any knowledge about Zabbix. What You Will Learn Efficiently collect data from a large variety of monitoring objects Organize your data in graphs, charts, maps, and slide shows Write your own custom probes and monitoring scripts to extend Zabbix Configure Zabbix and its database to be high available and fault-tolerant Automate repetitive procedures using Zabbix's API Find out how to monitor SNMP devices Manage hosts, users, and permissions while acting upon monitored conditions Set up your Zabbix infrastructure efficiently Customize the

Zabbix interface to suit your system needs Monitor your VMware infrastructure in a quick and easy way with Zabbix In Detail Nowadays, monitoring systems play a crucial role in any IT environment. They are extensively used to not only measure your system's performance, but also to forecast capacity issues. This is where Zabbix, one of the most popular monitoring solutions for networks and applications, comes into the picture. With an efficient monitoring system in place, you'll be able to foresee when your infrastructure runs under capacity and react accordingly. Due to the critical role a monitoring system plays, it is fundamental to implement it in the best way from its initial setup. This avoids misleading, confusing, or, even worse, false alarms that can disrupt an efficient and healthy IT department. This course is for administrators who are looking for an end-to-end monitoring solution. It will get you accustomed with the powerful monitoring solution, starting with installation and explaining the fundamentals of Zabbix. Moving on, we explore the complex functionalities of Zabbix in the form of enticing recipes. These recipes will help you to gain control of your infrastructure. You will be able to organize your data in the form of graphs and charts along with building intelligent triggers for monitoring your network proactively. Toward the end, you will gain expertise in monitoring your networks and applications using Zabbix. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Zabbix Network Monitoring-Second Edition Zabbix Cookbook Mastering Zabbix-Second Edition Style and approach This course is

a compact practical guide that starts from the fundamentals of Zabbix and takes you all the way to building a monitoring solution that gathers data from a large variety of systems. Along the way, we will discuss the low-level operational details that should benefit you even if you have used Zabbix for a while. It also follows a step-by-step approach that is easy to follow, full of engaging examples, and will help you apply the theory to practice.

Keine Angst vor Weißbraun! Springer Science & Business Media

Die Auslagerung von Services in die Cloud ist mit Risiken verbunden. Dieses Buch liefert ein Rahmenwerk zur Zertifizierung von Services in der Cloud. Herzstück dabei ist ein umfangreicher Kriterienkatalog zum Assessment von Cloud-Services. Dabei wendet sich das Buch an Cloud-Service-Anwender und unterstützt bei der Bewertung, dem Vergleich und der Auswahl von Angeboten. Gerade in kritischen Bereichen wie Sicherheit, Verfügbarkeit und Vertragsfragen unterstützt der Katalog bei der Definition von eigenen Anforderungen. Das Buch eignet sich jedoch auch für Cloud-Service-Anbieter, die es zum Self-Assessment und zur Verbesserung der eigenen Services nutzen können. Das Buch fasst eines der Ergebnisse des dreijährigen Forschungsprojekts „Value4Cloud“ zusammen, das im Rahmen des Technologieprogramms „Trusted Cloud“ vom Bundesministerium für Wirtschaft und Technologie gefördert wurde. Es liefert mit 219 Zertifizierungskriterien und einem Zertifizierungsrahmenwerk einen wichtigen Beitrag zum Assessment von Cloud-Services und der Verbesserung von Cloud-Service-Zertifizierungen.

Systems and Network Infrastructure

Integration Packt Publishing Ltd
 Master the skills you need to build a rock-solid virtualization environment with the all new Proxmox 4 About This Book Formulate Proxmox-based solutions and set up virtual machines of any size while gaining expertise even on the most complex multi-cluster setups Master the skills needed to analyze, monitor, and troubleshoot real-world virtual environments This is the most up-to-date title on mastering Proxmox, with examples based on the new Linux Kernel 4.2 and Debian Jessie (8.x) Who This Book Is For The book targets Linux and system administrators and professionals working in IT teams who would like to design and implement an enterprise-quality virtualized environment using Proxmox. Knowledge of networking and virtualization concepts is assumed. What You Will Learn Install the basic Proxmox VE nodes Get to know the Proxmox Graphical User Interface (GUI) See and understand Proxmox's internal structure and mechanics Create and manage KVM- or LXC-based virtual machines Understand advanced virtual networks Leverage the power of the built-in Proxmox firewall to provide protection at any level Configure high availability Proxmox nodes Learn different backup strategies and to restore a VM in the event of a disaster to ensure data safety Monitor a Proxmox cluster and all of its components using Zabbix Plan large virtual environments for mission critical virtual environments Work through real-world scenarios to troubleshoot Proxmox In Detail Proxmox is an open source server virtualization solution that has enterprise-class features to manage virtual machines, to be used for storage, and to virtualize both Linux and Windows application workloads. You begin with refresher on the advanced installation

features and the Proxmox GUI to familiarize yourself with the Proxmox VE hypervisor. You then move on to explore Proxmox under the hood, focusing on the storage systems used with Proxmox. Moving on, you will learn to manage KVM Virtual Machines and Linux Containers and see how networking is handled in Proxmox. You will then learn how to protect a cluster or a VM with a firewall and explore the new HA features introduced in Proxmox VE 4 along with the brand new HA simulator. Next, you will dive deeper into the backup/restore strategy followed by learning how to properly update and upgrade a Proxmox node. Later, you will learn how to monitor a Proxmox cluster and all of its components using Zabbix. By the end of the book, you will become an expert at making Proxmox environments work in production environments with minimum downtime. Style and approach This book walks you through every aspect of virtualization using Proxmox using a practical, scenario-based approach that features best practices and all the weaponry you need to succeed when building virtual environments with Proxmox 4.

Information Security Management
 McGraw Hill Professional

Gather detailed statistics and deploy impressive business solutions with Zabbix 4.0 Key Features Experience the full impact of Zabbix 4.0, a useful and increasingly popular tool Enhance your network's performance and manage hosts and systems A step-by-step guide to smarter network monitoring Book Description Zabbix 4 Network Monitoring is the perfect starting point for monitoring the performance of your network devices and applications with Zabbix. Even if you've never used a monitoring solution before, this book will

get you up and running quickly. You'll learn to monitor more sophisticated operations with ease and soon feel in complete control of your network, ready to meet any challenges you might face. Starting with the installation, you will discover the new features in Zabbix 4.0. You will then get to grips with native Zabbix agents and Simple Network Management Protocol (SNMP) devices. You will also explore Zabbix's integrated functionality for monitoring Java application servers and VMware. This book also covers notifications, permission management, system maintenance, and troubleshooting, so you can be confident that every potential challenge and task is under your control. If you're working with larger environments, you'll also be able to find out more about distributed data collection using Zabbix proxies. Once you're confident and ready to put these concepts into practice, you will understand how to optimize and improve performance. Troubleshooting network issues is vital for anyone working with Zabbix, so the book also helps you work through any technical snags and glitches you might face. By the end of this book, you will have learned more advanced techniques to fine-tune your system and make sure it is in a healthy state. What you will learn

Install Zabbix server and an agent from source
Manage hosts, users, and permissions while acting upon monitored conditions
Visualize data with the help of ad hoc graphs, custom graphs, and maps
Simplify complex configurations and learn to automate them
Monitor everything from web pages to IPMI devices and Java applications to VMware stats
Configure Zabbix to send alerts including problem severity and time periods
Troubleshoot any network issue
Who this book is for
If you're new to

Zabbix look no further than this book. Zabbix 4 Network Monitoring is for system and network administrators who are looking to put their knowledge to work with Zabbix 4.0.

Zabbix Network Monitoring Packt Publishing Ltd

Sie sind gern Sysadmin, klar. Sie haben Ihr Hobby zum Beruf gemacht. Es stört Sie nicht, bis spät in der Nacht vorm Rechner zu sitzen, das machen Sie in Ihrem Privatleben auch öfter mal. Als Sysadmin müssen Sie viele Projekte gleichzeitig managen und haben eine unübersichtliche Menge verschiedener, kleinteiliger Aufgaben zu bewältigen. Und das bei ständigen Unterbrechungen durch Chefs oder Kollegen, die schnell etwas wissen wollen oder dringend Hilfe brauchen. All das in der regulären Arbeitszeit zu schaffen, ist nicht ohne. Der Autor dieses Buchs, Thomas A. Limoncelli, ist selbst Systemadministrator und kennt die Anforderungen an den Beruf genau. Zeitmanagement für Systemadministratoren konzentriert sich auf die Techniken und Strategien, die Ihnen helfen, Ihre taglichen Aufgaben als Sysadmin zu bewältigen und gleichzeitig kritische Situationen in den Griff zu bekommen, die unvorhergesehen auf den Plan treten. Unter anderem lernen Sie, wie Sie mit Unterbrechungen am besten umgehen Ihren Kalender effektiv führen Routinen für wiederkehrende Aufgaben entwickeln Prioritäten klug setzen Zeitfresser eliminieren Arbeitsprozesse automatisieren und dokumentieren"

CompTIA Network+ Certification All-in-One Exam Guide, Eighth Edition (Exam N10-008) Packt Publishing Ltd
John P. Kotters wegweisendes Werk
Leading Change erschien 1996 und zählt heute zu den wichtigsten

Managementbüchern überhaupt. Es wurde in zahlreiche Sprachen übersetzt und millionenfach verkauft. Der Druck auf Unternehmen, sich den permanent wandelnden internen und externen Einflüssen zu stellen, wird weiter zunehmen. Dabei gehört ein offener, aber professionell geführter Umgang mit Change-Prozessen zu den Wesensmerkmalen erfolgreicher Unternehmen im 21. Jahrhundert und zu den größten Herausforderungen in der Arbeit von Führungskräften. Einer der weltweit renommiertesten Experten auf diesem Gebiet hat basierend auf seinen Erfahrungen aus Forschung und Praxis einen visionären Text geschrieben, der zugleich inspirierend und gefüllt ist mit bedeutenden Implikationen für das Change-Management. Leading Change zeigt Ihnen, wie Sie Wandlungsprozesse in Unternehmen konsequent führen. Beginnend mit den Gründen, warum viele Unternehmen an Change-Prozessen scheitern, wird im Anschluss ein Acht-Stufen-Plan entwickelt, der Ihnen hilft, pragmatisch einen erfolgreichen Wandel zu gestalten. Wenn Sie wissen möchten, warum Ihre letzte Change-Initiative scheiterte, dann lesen Sie dieses Buch am besten gleich, sodass Ihr nächstes Projekt von Erfolg gekrönt wird. Ralf Dobelli, getabstract.com Leading Change is simply the best single work I have seen on strategy implementation. William C. Finnie, Editor-in-Chief Strategy & Leadership Leading Change ist ein weltweiter, zeitloser Bestseller. Werner Seidenschwarz, Seidenschwarz & Comp. *Zabbix 6 IT Infrastructure Monitoring Cookbook - Second Edition* Springer-Verlag This up-to-date Mike Meyers exam guide delivers complete coverage of every topic on the N10-008 version of the CompTIA Network+ Certification exam

Get complete coverage of all the CompTIA Network+ exam objectives inside this comprehensive resource. Created and edited by Mike Meyers, the leading expert on CompTIA certification and training, CompTIA Network+ Certification All-in-One Exam Guide, Eighth Edition covers exam N10-008 in full detail. You'll find learning objectives at the beginning of each chapter, exam tips, scenarios, practice exam questions, and in-depth explanations. Designed to help you pass the exam with ease, this authoritative guide also serves as an essential on-the-job reference. Covers all exam topics, including: Network architectures Cabling and topology Ethernet basics Network installation TCP/IP applications and network protocols Routing Network naming Advanced networking devices IPv6 Remote connectivity Wireless networking Virtualization and cloud computing Mobile networking Network operations Managing risk Network security Network monitoring and troubleshooting Online content includes: 100+ practice exam questions in a customizable test engine 20+ lab simulations to help you prepare for the performance-based questions One hour of video training from Mike Meyers Mike Meyers' favorite shareware and freeware networking tools and utilities [Die Xbox hacken](#). Vahlen Learn how to monitor your large IT environments using Zabbix with this one-stop, comprehensive guide to the Zabbix world About This Book Create a tailor-made monitoring solution based on your specific needs Learn advanced techniques of Zabbix to monitor networks, performances, and other critical features in large environments Integrate, customize, and extend your monitoring solutions with external

components and software

Who This Book Is For This book is intended for system administrators and IT architects who need to better integrate their Zabbix installation with their surrounding environment. A basic, working knowledge of Zabbix and Linux is assumed so that the book can focus on how to use every component to its full advantage. It will also be helpful to be familiar with programming concepts and languages but if not, all the content in the book is thorough and well documented.

What You Will Learn

- Efficiently collect data from a large variety of monitoring objects
- Organize your data in graphs, charts, maps, and slide shows
- Build intelligent triggers and alarms to monitor your network proactively
- Write your own custom probes and monitoring scripts to extend Zabbix
- Configure Zabbix and its database to be high available and fault-tolerant
- Automate repetitive procedures using Zabbix's API
- Integrate Zabbix with external systems
- Understand the protocol and how to interact with it by writing your own custom agent

In Detail Nowadays monitoring systems play a crucial role in any IT environment. They are extensively used to not only measure your system's performance, but also to forecast capacity issues. This is where Zabbix, one of the most popular monitoring solutions for networks and applications, comes into the picture. With an efficient monitoring system in place you'll be able to foresee when your infrastructure runs under capacity and react accordingly. Due to the critical role a monitoring system plays, it is fundamental to implement it in the best way from its initial setup. This avoids misleading, confusing, or, even worse, false alarms which can disrupt an efficient and healthy IT department. This

new edition will provide you with all the knowledge you need to make strategic and practical decisions about the Zabbix monitoring system. The setup you'll do with this book will fit your environment and monitoring needs like a glove. You will be guided through the initial steps of choosing the correct size and configuration for your system, to what to monitor and how to implement your own custom monitoring component. Exporting and integrating your data with other systems is also covered. By the end of this book, you will have a tailor-made and well configured monitoring system and will understand with absolute clarity how crucial it is to your IT environment.

Style and approach This book is an easy to follow, step-by-step guide to monitoring network and performance in large environments with Zabbix. It is designed for real-world Zabbix administrators, and is comprised of a perfect mix of theoretical explanations and practical applications, making it your perfect companion.

Leading Change Pearson Deutschland GmbH

Revised edition of: Information security for managers.

Performance Evaluation Models for Distributed Service Networks Zabbix 6 IT Infrastructure Monitoring Cookbook This updated edition of Michael W. Lucas' definitive volume on FreeBSD-based systems adds coverage of modern disks, the ZFS filesystem IPv6, redesigned jail and packaging systems, and virtualization, among dozens of new features added in the last 10 years. FreeBSD is the muscle behind companies like Netflix and EMC. Any place where someone does heavy lifting on the Internet, you'll find FreeBSD. This newly revised edition of Absolute FreeBSD brings FreeBSD's strengths to

bear on your problems and covers FreeBSD's newest features, all in the inimitable style that has made author Michael W. Lucas' system administration books so popular. Any computer system is only as good as the system administrator's knowledge. Absolute FreeBSD teaches you everything you need to know about managing FreeBSD systems, from installation, configuration, and taking the system from "just working" to "working well." A cohesive focus on service delivery and best practice means that you can apply much of the book to other operating systems. Absolute FreeBSD dives deep into server management, taking you beyond just making things work and into understanding why they work. You'll learn: How to best install FreeBSD to meet your needs Which filesystem to use in your environment How to back up and restore critical data How to tweak the kernel, and when not to Network configuration, from activating interfaces to selecting congestion control algorithms How to manage UFS, ZFS, and other critical filesystems FreeBSD's software packaging system, including how to build your own package repository How and when to upgrade Techniques to build your own FreeBSD Advanced security features like blacklistd and packet filtering How to monitor and adjust performance Container-style virtualization with jails Diskless systems Panic management and bug reporting With Absolute FreeBSD you will get the solid introduction you need; and if you're a fan of the earlier editions, you will expand your skills even further.

Mastering Zabbix - Second Edition

GABAL Verlag GmbH

Zabbix 6 IT Infrastructure Monitoring

CookbookPackt Publishing Ltd

IT-GRC-Management - Governance, Risk und Compliance O'Reilly Germany

This book presents novel approaches to formulate, analyze, and solve problems in the area of distributed service networks, notably based on AI-related methods (parallel/cloud computing, declarative modeling, fuzzy methods). Distributed service networks are an important area of research and applications. The methods presented are meant to integrate both emerging and existing concepts and approaches for different types of production flows through synchronizations. An integration of logistics services (e.g., supply chains and projects portfolios), public and multimodal transport, traffic flow congestion management in ad hoc networks, design of high-performance cloud data centers, and milk-run distribution networks are shown as illustrations for the methods proposed. The book is of interest to researchers and practitioners in computer science, operations management, production control, and related fields.

Hands-On Infrastructure Monitoring with Prometheus Jones & Bartlett Learning

An architect's guide to designing, implementing, and integrating DevOps in the enterprise Key Features Design a DevOps architecture that is aligned with the overall enterprise architecture Design systems that are ready for AIOps and make the move toward NoOps Architect and implement DevSecOps pipelines, securing the DevOps enterprise Book Description Digital transformation is the new paradigm in enterprises, but the big question remains: is the enterprise ready for transformation using native technology embedded in Agile/DevOps? With this book, you'll see how to design, implement, and integrate DevOps in the enterprise architecture while keeping the

Ops team on board and remaining resilient. The focus of the book is not to introduce the hundreds of different tools that are available for implementing DevOps, but instead to show you how to create a successful DevOps architecture. This book provides an architectural overview of DevOps, AIOps, and DevSecOps - the three domains that drive and accelerate digital transformation. Complete with step-by-step explanations of essential concepts, practical examples, and self-assessment questions, this DevOps book will help you to successfully integrate DevOps into enterprise architecture. You'll learn what AIOps is and what value it can bring to an enterprise. Lastly, you will learn how to integrate security principles such as zero-trust and industry security frameworks into DevOps with DevSecOps. By the end of this DevOps book, you'll be able to develop robust DevOps architectures, know which toolsets you can use for your DevOps implementation, and have a deeper understanding of next-level DevOps by implementing Site Reliability Engineering (SRE). What you will learn Create DevOps architecture and integrate it with the enterprise architecture Discover how DevOps can add value to the quality of IT delivery Explore strategies to scale DevOps for an enterprise Architect SRE for an enterprise as next-level DevOps Understand AIOps and what value it can bring to an enterprise Create your AIOps architecture and integrate it into DevOps Create your DevSecOps architecture and integrate it with the existing DevOps setup Apply zero-trust principles and industry security frameworks to DevOps Who this book is for This book is for enterprise architects and consultants who want to design DevOps systems for the enterprise. It

provides an architectural overview of DevOps, AIOps, and DevSecOps. If you're looking to learn about the implementation of various tools within the DevOps toolchain in detail, this book is not for you.

Mastering Zabbix John Wiley & Sons Docker lets you create, deploy, and manage your applications anywhere at anytime - flexibility is key so you can deploy stable, secure, and scalable app containers across a wide variety of platforms and delve into microservices architecture About This Book This up-to-date edition shows how to leverage Docker's features to deploy your existing applications Learn how to package your applications with Docker and build, ship, and scale your containers Explore real-world examples of securing and managing Docker containers Who This Book Is For This book is ideal for developers, operations managers, and IT professionals who would like to learn about Docker and use it to build and deploy container-based apps. No prior knowledge of Docker is expected. What You Will Learn Develop containerized applications using the Docker version 17.03 Build Docker images from containers and launch them Develop Docker images and containers leveraging Dockerfiles Use Docker volumes to share data Get to know how data is shared between containers Understand Docker Jenkins integration Gain the power of container orchestration Familiarize yourself with the frequently used commands such as docker exec, docker ps, docker top, and docker stats In Detail Docker is an open source containerization engine that offers a simple and faster way for developing and running software. Docker containers wrap software in a complete filesystem that contains everything it

needs to run, enabling any application to be run anywhere – this flexibly and portably means that you can run apps in the cloud, on virtual machines, or on dedicated servers. This book will give you a tour of the new features of Docker and help you get started with Docker by building and deploying a simple application. It will walk you through the commands required to manage Docker images and containers. You'll be shown how to download new images, run containers, list the containers running on the Docker host, and kill them. You'll learn how to leverage Docker's volumes feature to share data between the Docker host and its containers – this data management feature is also useful for persistent data. This book also covers how to orchestrate containers using Docker compose, debug containers, and secure containers using the AppArmor and SELinux security modules. Style and approach This step-by-step guide will walk you through the features and use of Docker, from Docker software installation to the impenetrable security of containers.

Zabbix 4 Network Monitoring

Springer

Die zweite Edition des Buchs "Die Boost C++ Bibliotheken" stellt 72 Bibliotheken vor, die schnell erlernt und einfach eingesetzt werden können. Ziel sowohl dieses Buchs als auch der Boost-Bibliotheken ist es, Ihre Produktivität als C++-Entwickler zu steigern und die Softwareentwicklung mit C++ zu vereinfachen. Der Schwerpunkt dieses Buchs liegt dabei auf Bibliotheken, die jedem C++-Entwickler und in jedem C++-Projekt von grossem Nutzen sein können. Die Boost-Bibliotheken erweitern die C++-Standardbibliothek um zahlreiche nützliche Funktionen. Die Bibliotheken sind plattformunabhängig

und können zum Beispiel unter Windows, Linux und Mac OS X eingesetzt werden. Die Boost-Bibliotheken sind in modernstem C++ entwickelt und haben einen exzellenten Ruf. So sind nicht nur zahlreiche Boost-Bibliotheken in die Version C++11 des Standards aufgenommen worden. Es ist wahrscheinlich, dass weitere Bibliotheken in den zukünftigen Standard C++17 aufgenommen werden. Dank der Boost-Bibliotheken ist es möglich, frühzeitig von Neuentwicklungen in C++ zu profitieren, bevor diese Teil des Standards werden. In diesem Buch werden Ihnen zum Beispiel Algorithmen vorgestellt, die es einfacher machen, Strings zu verarbeiten. Sie lernen, wie Sie plattformunabhängige Netzwerkanwendungen entwickeln und auf Dateien und Verzeichnisse zugreifen. Sie erfahren, wie Sie Objekte serialisieren, mit Datums- und Zeitangaben arbeiten, Graphen erstellen oder einfach nur mit Smartpointern dynamisch reservierte Objekte besser verwalten. Die zweite Edition basiert auf der Boost-Version 1.57.0, die im November 2014 veröffentlicht wurde. Das Buch stellt die Bibliotheken in mehr als 430 Beispielen vor. So bekommen Sie schnell einen Überblick über die Funktionen, die die verschiedenen Bibliotheken anbieten. Beispiele sind so kurz und knapp wie möglich und dennoch vollständig. Sie können jedes einzelne Beispiel kompilieren und ausführen. Das Buch ist keine Referenz zu den Boost-Bibliotheken. Es ergänzt, ersetzt aber nicht die offizielle Dokumentation der Bibliotheken. Das Buch wendet sich vorrangig an Entwickler von Anwendungssoftware. Es ist kein Forschungsbeitrag zu C++. So spielt zum Beispiel die Template-

Metaprogrammierung in diesem Buch keine grosse Rolle. Ziel des Buchs ist, Ihre alltägliche Arbeit als C++-Entwickler zu erleichtern. Wer die in diesem Buch vorgestellten 72 Boost-Bibliotheken kennt, kann schneller und bessere Software mit C++ entwickeln als Entwickler, die sich allein auf die C++-Standardbibliothek stützen. Für den Autor ist das Buch ein Erfolg, wenn Sie die 72 vorgestellten Boost-Bibliotheken mühelos erlernen und Ihre Produktivität als C++-Entwickler spürbar steigern können. Sowohl die Boost-Bibliotheken als auch dieses Buch sollen Ihre Arbeit erleichtern. So bleibt Ihnen dank der in diesem Buch vorgestellten Boost-Bibliotheken mehr Zeit, sich auf wichtige Funktionen oder andere Alleinstellungsmerkmale Ihrer Software zu konzentrieren, für die keine standardisierten Bibliotheken existieren oder für die Sie keine Bibliotheken verwenden möchten."

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This book combines elementary theory

from computer science with real-world challenges in global geodetic observation, based on examples from the Geodetic Observatory Wettzell, Germany. It starts with a step-by-step introduction to developing stable and safe scientific software to run successful software projects. The use of software toolboxes is another essential aspect that leads to the application of generative programming. An example is a generative network middleware that simplifies communication. One of the book's main focuses is on explaining a potential strategy involving autonomous production cells for space geodetic techniques. The complete software design of a satellite laser ranging system is taken as an example. Such automated systems are then combined for global interaction using secure communication tunnels for remote access. The network of radio telescopes is used as a reference. Combined observatories form coordinated multi-agent systems and offer solutions for operational aspects of the Global Geodetic Observing System (GGOS) with regard to "Industry 4.0".

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