
Nagios Documentation Linux

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**Linux
Services.**

AL3-089 No
Starch Press
What is this
book about?
Professional
Red Hat
Enterprise

Linux 3 is a complete professional guide to setting up, configuring, and deploying Red Hat Enterprise Linux in the corporate production environment. The book focuses on Enterprise

Server and Advanced Server features, including the key areas of high availability with the Red Hat Cluster Suite, Red Hat Network Control Center, and Red Hat Enterprise applications such as the Content

Management monitoring. tuning How to
 System and What does this use monitoring
 portal server. book cover? The tools Ability
 Other key key features of to use RHEL to
 unique features the book provide
 include kernel include the scalable
 tuning for following: How infrastructure
 various to install and solutions.
 performance setup RHEL 3 Nagios Prentice
 profiles; How to deploy Hall
 advanced Apache RHEL 3 in Practical Linux
 configuration; production Infrastructure
 Tux installatio environment How teaches you how to
 n/maintenance; to manage an use the best open
 building high- RHEL system source tools to build
 performance FTP using Perl and a new Linux
 servers; shell scripting infrastructure, or
 building high- Advanced alter an existing
 performance administration infrastructure, to
 mail servers tools How to ensure it stands up
 (which means use Red Hat to enterprise-level
 replacing network service needs. Each chapter
 Sendmail); Details on covers a key area of
 Mailing list installation implementation,
 management; how and setup of with clear examples
 to efficiently security tools and step-by-step
 add, remove, or Ability to use instructions. Using
 modify 100 and deploy High this book, you ' ll
 users at the Availability understand why
 same time; and solutions scale matters, and
 a discussion of provided with what considerations
 disk quota RHEL 3
 management and Performance

you need to make. You ' ll see how to switch to using Google Cloud Platform for your hosted solution, how to use KVM for your virtualization, how to use Git, Postfix, and MySQL for your version control, email, and database, and how to use Puppet for your configuration management. For enterprise-level fault tolerance you ' ll use Apache, and for load balancing and high availability, you'll use HAProxy and Keepalived. For trend analysis you ' ll learn how to use Cacti, and for notification you ' ll use Nagios. You ' ll also learn how to utilize BIND to

implement DNS, how to use DHCP (Dynamic Host Configuration Protocol), and how to setup remote access for your infrastructure using VPN and Iptables. You will finish by looking at the various tools you will need to troubleshoot issues that may occur with your hosted infrastructure. This includes how to use CPU, network, disk and memory management tools such as top, netstat, iostat and vmstat. Author Syed Ali is a senior site reliability engineering manager, who has extensive experience with virtualization and Linux cloud

based infrastructure. His previous experience as an entrepreneur in infrastructure computing offers him deep insight into how a business can leverage the power of Linux to their advantage. He brings his expert knowledge to this book to teach others how to perfect their Linux environments. Become a Linux infrastructure pro with Practical Linux Infrastructure today. [Applying Linux Technologies](#) Ralf Seelig This book is an excellent choice for any person working in the field of IT or studying for an IT or IT related

degree. This book will guide you through all available choices of computer jobs, computer certifications and guide you through the interviewing process. For companies employing IT professionals, this book will provide them with a guide for the different computer jobs descriptions and what professional certifications are required from their employees. This book is the first of its kind to present detailed and valuable

information about IT jobs and their corresponding certifications. We believe that all IT professionals, employment agencies and companies offering IT jobs would benefit from this book. **Essential SNMP** John Wiley & Sons CentOS is just like Red Hat, but without the price tag and with the virtuous license. When belts have to be tightened, we want to read about an OS with all the features of a commercial Linux variety, but without the pain. The Definitive

Guide to CentOS is the first definitive reference for CentOS and focuses on CentOS alone, the workhorse Linux distribution, that does the heavy lifting in small and medium-size enterprises without drawing too much attention to itself. Provides tutorial and hands-on learning but is also designed to be used as a reference Bases all examples on real-world tasks that readers are likely to perform Serves up hard-won examples and hints and tips from the author's experiences of

CentOS in production
Linux Journal Packt Publishing Ltd
Pro Python System Administration, Second Edition
explains and shows how to apply Python scripting in practice. It will show you how to approach and resolve real-world issues that most system administrators will come across in their careers. This book has been updated using Python 2.7 and Python 3 where appropriate. It also uses various new and relevant open source projects and tools that should now be used in practice. In this updated edition,

you will find several projects in the categories of network administration, web server administration, and monitoring and database management. In each project, the author will define the problem, design the solution, and go through the more interesting implementation steps. Each project is accompanied by the source code of a fully working prototype, which you'll be able to use immediately or adapt to your requirements and environment. This book is primarily aimed at experienced system

administrators whose day-to-day tasks involve looking after and managing small-to-medium-sized server estates. It will also be beneficial for system administrators who want to learn more about automation and want to apply their Python knowledge to solve various system administration problems. Python developers will also benefit from reading this book, especially if they are involved in developing automation and management tools.

10th IFIP WG 8.9 Working Conference, CONFENIS 2016, Vienna, Austria,

December 13–14, 2016, Proceedings
Packt Publishing Ltd
Provides information on how to use Pro Nagios 3.0 to monitor and report on servers, network devices, and applications.

OpenStack Essentials
Elsevier
Over 80 recipes to get up and running with CentOS 7 Linux server

About This Book
A practical guide to install, configure, administer and maintain CentOS 7 servers An in-depth guide to the CentOS 7 operating system, exploring its

various new features and changes in server administration Presents tricks and solutions to tackle common server issues with the help of practical examples and real-life scenarios Who This Book Is For
This book is targeted at beginner and more experienced system administrators alike who want to use CentOS as their server solution. Readers do not need much pre-knowledge or experience at all to work with this book. What You Will Learn Install

and configure CentOS 7 Linux server system from scratch using normal and advanced methods Maintain a performance-based and secure server solution by deploying expert configuration advice and managing software packages Monitor, manage and develop your server's file system to maintain a stable performance Gain best practice methods on sharing files and resources through a network Install and configure common standard services such as

web, mail, FTP, database and domain name server technologies. Introduce you to the world of operating-system-level virtualization using the Docker platform. Understand the fundamentals of the Security-Enhanced Linux access control architecture. Monitor your IT infrastructure using Nagios. In Detail This book will provide you with a comprehensive series of starting points that will give you direct access to the inner workings of the

latest CentOS version 7 and help you trim the learning curve to master your server. You will begin with the installation and basic configuration of CentOS 7, followed by learning how to manage your system, services and software packages. You will then gain an understanding of how to administer the file system, secure access to your server and configure various resource sharing services such as file, printer and DHCP servers across your

network. Further on, we cover advanced topics such as FTP services, building your own DNS server, running database servers, and providing mail and web services. Finally, you will get a deep understanding of SELinux and you will learn how to work with Docker operating-system virtualization and how to monitor your IT infrastructure with Nagios. By the end of this book, you will have a fair understanding of all the aspects of configuring, implementing and

administering CentOS 7 Linux server and how to put it in control. Style and approach This book is a practical reference guide with hands-on examples and solutions to real-world administration problems. It covers in-depth and comprehensive information on CentOS 7 and its new features.

Automating Linux and Unix System Administration

Packt Publishing Ltd

Real-world configurations and supporting materials enable

you to deploy Nagios and integrate other tools on a step-by-step basis

Simplifies deployment and installation by providing examples of real-world monitoring situations and explains how to configure, architect, and deploy EM solutions to address these situations Shows how to create your own Nagios plug-ins, to monitor devices for which Nagios doesn't provide plug-ins

Learning Nagios 4

"O'Reilly Media, Inc."

Simple Network Management Protocol (SNMP) provides a "simple" set of operations that allows you to more easily monitor and manage network devices like routers, switches, servers, printers, and more. The information you can monitor with SNMP is wide-ranging--from standard items, like the amount of traffic flowing into an interface, to far more esoteric items, like the air temperature inside a router. In spite of its name, though, SNMP is not especially simple

to learn. O'Reilly has answered the call for help with a practical introduction that shows how to install, configure, and manage SNMP. Written for network and system administrators, the book introduces the basics of SNMP and then offers a technical background on how to use it effectively. Essential SNMP explores both commercial and open source packages, and elements like OIDs, MIBs, community strings, and traps are

covered in depth. The book contains five new chapters and various updates throughout. Other new topics include: Expanded coverage of SNMPv1, SNMPv2, and SNMPv3 Expanded coverage of SNMPc The concepts behind network management and change management RRDTOol and Cricket The use of scripts for a variety of tasks How Java can be used to create SNMP applications Net-SNMP's Perl

module The bulk of the book is devoted to discussing, with real examples, how to use SNMP for system and network administration tasks. Administrators will come away with ideas for writing scripts to help them manage their networks, create managed objects, and extend the operation of SNMP agents. Once demystified, SNMP is much more accessible. If you're looking for a way to more easily manage your network, look no further than

Essential SNMP,
2nd Edition.
NEW BUSINESS
MODELS AND
SUSTAINABLE CO
MPETITIVENESS

Packt Publishing Ltd

This book will introduce Nagios to readers who are interested in monitoring their systems. All the concepts in the book are explained in a simplified manner, presented in an easy-to-understand language with lots of tips, tricks, and illustrations. This book is great for system administrators interested in using Nagios to monitor their systems. It will also help professionals who have already worked with earlier versions of Nagios to understand the new

features of Nagios 4 and provides usable solutions to real-life problems related to Nagios administration. To effectively use this book, system administration knowledge is required. If you want to create your own plug-ins, knowledge of scripting languages like Perl, shell and Python is expected. *Linux Server Hacks, Volume Two* Pearson Education Debian GNU/Linux, distribution Linux non commerciale extrêmement populaire, est réputée pour sa fiabilité et sa richesse. Créée et maintenue par un impressionnant réseau de plusieurs

milliers de développeurs dans le monde, elle a pour principes l'engagement vis-à-vis de ses utilisateurs et la qualité. Ses technologies concernent un nombre toujours croissant d'administrateurs, notamment par le biais de la distribution dérivée Ubuntu. Ce cahier de l'Admin entièrement revu pour Debian Lenny perpétue le succès des premières éditions : accessible à tous, il fournit les connaissances indispensables pour qui souhaite devenir un administrateur Debian GNU/Linux efficace et

indépendant. Il traite des méthodes que tout administrateur Linux compétent maîtrise, depuis l'installation et la mise à jour du système jusqu'à la création de paquetages et la compilation d'un noyau Linux, en passant par la supervision, la sauvegarde et les migrations, sans oublier des techniques avancées telles que la mise en place de SELinux pour sécuriser des services, l'automatisation des installations ou encore la virtualisation avec Xen. L'amorçage du DVD-Rom lance l'installation de Debian GNU/Linux

5.0 (Lenny) i386/AMD64. Il contient de nombreux logiciels (2,3 Go) : Gnome et XOrg, Apache, Samba, PostgreSQL, PHP, Bind, Postfix, etc. Configuration requise : PC ou Mac, processeur x86 ou AMD64 de chez AMD/Intel 128 Mo de mémoire vive, 64 Mo requis lors de l'installation 500 Mo d'espace disponible sur le disque dur Lecteur DVD-Rom Connexion Internet haut débit recommandée (mais non nécessaire) *From Asterisk to Zebra with Easy-to-Use Recipes* Prentice-Hall PTR The Fully Updated Guide to

Enterprise Network Monitoring with Today's Nagios Platform and Tools This is the definitive guide to building cost-effective, enterprise-strength monitoring infrastructures with the latest commercial and open source versions of Nagios. World-renowned monitoring expert David Josephsen covers the entire monitoring software stack, treating Nagios as a specification language and foundation for building well designed monitoring

systems that can scale to serve any organization. Drawing on his unsurpassed experience, Josephsen demonstrates best practices throughout and also reveals common mistakes, their consequences, and how to avoid them. He provides all the technical depth you need to configure and run Nagios successfully, including a practical and thorough discussion of writing your own custom modules with the C-based

Nagios Event-Broker API. Extensively updated throughout, this edition adds an entirely new chapter on scaling Nagios for large, complex networks that rely heavily on virtualization and cloud services. Josephsen thoroughly introduces Nagios XI, the advanced new commercial version of Nagios and shows how to improve productivity with the latest third-party tools and plug-ins. Coverage includes: Learn how Nagios works, in depth Master

focused, efficient techniques for configuring and deploying the latest versions of Nagios Solve real-world problems in monitoring Windows and UNIX systems, networking hardware, and environmental sensors Systematically scale and optimize Nagios for the largest enterprise environments Enhance your monitoring system with new tools including Check-MK, Op5 Merlin, and SFlow Integrate visualization via Ganglia, Graphite,

and RRDTool
Simplify and
streamline all
facets of system
monitoring with
Nagios XI Build
powerful custom
Nagios Event
Broker (NEB)
modules, step-by-
step Learn about
easy-to-understand
code listings, fully
updated for
today's platforms
No matter how
complex your
systems
monitoring
challenges are, this
book will help you
achieve the results
you want—right
from the start.
CentOS 7 Linux
Server Cookbook
Packt Publishing
Ltd

Instant Nagios
StarterPackt
Publishing Ltd
Novell Certified
Linux 9 (CLE 9)
Study Guide IOS
Press
This book
constitutes
thoroughly refereed
post-conference
proceedings of the
workshops of the
17th International
Conference on
Parallel Computing,
Euro-Par 2011, held
in Bordeaux,
France, in August
2011. The papers of
these 12 workshops
CCPI, CGWS,
HeteroPar, HiBB,
HPCVirt, HPPC,
HPSS HPCF,
PROPER, CCPI,
and VHPC focus on
promotion and
advancement of all
aspects of parallel

and distributed
computing.
Linux Networking
Cookbook Apress
Get hands-on
recipes to make
the most of
Ubuntu Server,
CentOS 7 Linux
Server and RHEL
7 Server About
This Book Get
Linux servers up
and running in
seconds, In-depth
guide to explore
new features and
solutions in server
administration
Maintain
performance and
security of your
server solution by
deploying expert
configuration
advice Who This
Book Is For This
Learning Path is

intended for systemchat service and administrators with collaboration tools a basic understanding of Linux operating systems and written with the no vice-to-intermediate Linux user in mind. To get the most of this Learning Path, you should have a working knowledge of basic system administration and management tools. What You Will Learn Set up high performance, scalable, and fault-tolerant back ends with web and database servers Facilitate team communication with a real-time environment In Detail Linux servers are frequently selected over other server operating systems for their stability, security and flexibility advantages. This Learning Path will teach you how to get up and running with three of the most popular Linux server distros: Ubuntu Server, CentOS 7 Server, and RHEL 7 Server. We will begin with the Ubuntu Server and show you how to make the most of Ubuntu's advanced functionalities. Moving on, we will provide you

with all the knowledge that will give you access to the inner workings of the latest CentOS version 7. Finally, touching RHEL 7, we will provide you with solutions to common RHEL 7 Server challenges. 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: 1) Ubuntu Server Cookbook 2) CentOS 7 Linux Server Cookbook, Second Edition 3) Red Hat Enterprise

Linux Server Cookbook Style and approach This easy-to-follow practical guide contains hands on examples and solutions to real word administration problems and problems faced when building your RHEL 7 system from scratch using orchestration tools. **Nagios, 2nd Edition** Editions Eyrolles Good system administrators recognize problems long before anyone asks, "Hey, is the Internet down?" Nagios, an open

source system and network monitoring tool, has emerged as the most popular solution for sys admins in organizations of all sizes. It's robust but also complex, and Nagios: System and Network Monitoring, 2nd Edition, updated to address Nagios 3.0, will help you take full advantage of this program. Nagios, which runs on Linux and most *nix variants, can be configured to continuously monitor network services such as SMTP, POP3, HTTP, NNTP,

SSH, and FTP. It can also supervise host resources (processor load, disk and memory usage, running processes, log files, and so on) and environmental factors, such as temperature and humidity. This book is your guide to getting the most out of this versatile and powerful monitoring tool. Inside Nagios, you'll learn how to: –Install and configure the Nagios core, all standard plugins, and selected third-party plugins –Configure the notification system to alert you of

ongoing problems—and to alarm others in case of a serious crisis –Program event handlers to take automatic action when trouble occurs –Write Perl plugins to customize Nagios for your unique needs –Quickly understand your Nagios data using graphing and visualization tools –Monitor Windows servers, SAP systems, and Oracle databases The book also includes a chapter that highlights the differences between Nagios versions 2 and 3

and gives practical migration and compatibility tips. Nagios: System and Network Monitoring, 2nd Edition is a great starting point for configuring and using Nagios in your own environment.

Professional NoSQL
John Wiley & Sons
Learn and monitor your entire IT infrastructure to ensure your systems, applications, services, and business function effectively. About This Book Packed with tips, tricks and illustrations, the book will explain the configuration and monitoring concepts in a simplified manner Experience the scalability and flexibility of Nagios

in a very practical and easy-to-understand approach. Unleash the power of Nagios Core and Nagios XI 5 to monitor and secure your infrastructure with ease. Who This Book Is For This book is targeted at System Administrators, both, who have no prior knowledge of Nagios as well as readers experienced with it. It not only covers the basics of Nagios but also the advanced features. What You Will Learn Set up and use the built-in Nagios web interface Upskill the additional interfaces available for Nagios to monitor your IT infrastructure Learn how to perform various checks using both, Nagios standard plugins and third-party plugins Explore the working of

notifications and events in Nagios Familiarize yourself with SNMP and use it for monitoring devices such as routers, switches, modems and printers Discover how Nagios can be customized and tailored to your needs Get to know more about the enterprise version of Nagios, Nagios XI In Detail Nagios, a powerful and widely used IT monitoring and management software for problem -solving. It detects problems related to your organizations infrastructure and helps in resolving the issue before it impacts the business. Following the success of the previous edition, this book will continue to help you monitor the status of

network devices and also notify the system administrators of network problems. Starting with the fundamentals, the book will teach you how to install and configure Nagios for your environment. The book helps you learn how to end downtimes, adding comments and generating reports using the built-in Web interface of Nagios. Moving on, you will be introduced to the third-party web interfaces and applications for checking the status and report specific information. As you progress further in Learning Nagios, you will focus on the standard set of Nagios plugins and also focus on teach you how to efficiently manage large configurations

and using templates. Once you are up to speed with this, you will get to know the concept and working of notifications and events in Nagios. The book will then uncover the concept of passive check and shows how to use NRDP (Nagios Remote Data Processor). The focus then shifts to how Nagios checks can be run on remote machines and SNMP (Simple Network Management Protocol) can be used from Nagios. Lastly, the book will demonstrate how to extend Nagios by creating custom check commands, custom ways of notifying users and showing how passive checks and NRDP can be used to integrate your solutions with Nagios.

By the end of the book, you will be a competent system administrator who could monitor mid-size businesses or even large scale enterprises. Style and approach This will be a practical learning guide for system administrators which will teach them everything about Nagios along with implementing it for your organization and then ending with securing it. *Linux System Administration Recipes* No Starch Press Build real-world, end-to-end network monitoring solutions with Nagios This is the definitive guide to building low-cost, enterprise-strength monitoring infrastructures with Nagios, the world's

leading open source monitoring tool. Network monitoring specialist David Josephsen goes far beyond the basics, demonstrating how to use third-party tools and plug-ins to solve the specific problems in your unique environment. Josephsen introduces Nagios "from the ground up," showing how to plan for success and leverage today's most valuable monitoring best practices. Then, using practical examples, real directives, and working code, Josephsen presents detailed monitoring solutions for Windows, Unix, Linux, network equipment, and other platforms and devices. You'll find thorough discussions of advanced topics,

including the use of data visualization to solve complex monitoring problems. This is also the first Nagios book with comprehensive coverage of using Nagios Event Broker to transform and extend Nagios. Understand how Nagios works, in depth: the host and service paradigm, plug-ins, scheduling, and notification

Configure Nagios successfully: config files, templates, timeperiods, contacts, hosts, services, escalations, dependencies, and more

Streamline deployment with scripting templates, automated discovery, and Nagios GUI tools

Use plug-ins and tools to systematically monitor the devices and platforms you

need to monitor, the way you need to monitor them

Establish front-ends, visual dashboards, and management interfaces with MRTG and RRDTOOL Build new C-based Nagios Event Broker (NEB) modules, one step at a time

Contains easy-to-understand code listings in Unix shell, C, and Perl

If you're responsible for systems monitoring infrastructure in any organization, large or small, this book will help you achieve the results you want—right from the start.

David Josephsen is Senior Systems Engineer at DBG, Inc., where he maintains a collection of geographically dispersed server farms. He has more than a decade of hands-on experience with Unix systems,

routers, firewalls, and load balancers in support of complex, high-volume networks.

Josephsen's certifications include CISSP, CCNA, CCDA, and MCSE.

His co-authored work on Bayesian spam filtering earned a Best Paper award at USENIX LISA 2004. He has been published in both ;login and Sysadmin magazines on topics relating to security, systems monitoring, and spam mitigation.

Introduction

CHAPTER 1 Best Practices

CHAPTER 2 Theory of Operations

CHAPTER 3 Installing Nagios

CHAPTER 4 Configuring Nagios

CHAPTER 5 Bootstrapping the Configs

CHAPTER 6

Watching CHAPTER 7 Visualization
CHAPTER 8 Nagios Event Broker
Interface APPENDIX A Configure Options
APPENDIX B nagios.cfg and cgi.cfg
APPENDIX C Command-Line Options Index
Big Data and HPC: Ecosystem and Convergence Prentice Hall
Over 90 hands-on recipes that will employ Nagios Core as the anchor of monitoring on your network
About This Book Master the advanced configuration techniques of Nagios Core to model your network better by improving hosts, services, and contacts
Filter and improve the notifications that Nagios Core sends in response to failed

checks, which can greatly assist you when diagnosing problems
Pull Nagios Core's data into a database to write clever custom reports of your own devise
Who This Book Is For If you are a network or system administrator and are looking for instructions and examples on working with Nagios Core, then this book is for you. Some basic shell command-line experience is required, and some knowledge of scripting would be helpful when we discuss how plugins work. What You Will Learn Manage the configuration of Nagios Core with advanced techniques to achieve fine detail in your checks
Find, install, and even write

your own check plugins
Filter notifications to send them to the right people or programs at the right time
Work around difficult network accessibility issues and delegate checks to other machines
Tweak a Nagios Core server to achieve both high performance and redundancy in case of disaster
Process the results of checks performed by other machines to monitor backups and similar processes
Extend Nagios Core to allow advanced scripting, reporting, and network visualization behavior
In Detail Nagios Core is an open source monitoring framework suitable for any network that ensures both internal and customer-facing

services are running correctly and manages notification and reporting behavior to diagnose and fix outages promptly. It allows very fine configuration of exactly when, where, what, and how to check network services to meet both the uptime goals of your network and systems team and the needs of your users. This book shows system and network administrators how to use Nagios Core to its fullest as a monitoring framework for checks on any kind of network services, from the smallest home network to much larger production multi-site services. You will discover that Nagios Core is capable of doing much more than ping a host or to

see whether websites respond. The recipes in this book will demonstrate how to leverage Nagios Core's advanced configuration, scripting hooks, reports, data retrieval, and extensibility to integrate it with your existing systems, and to make it the rock-solid center of your network monitoring world. Style and approach Each chapter contains a set of step-by-step recipes to perform an example of a commonly performed task related to network administration. The book begins by focusing closely on the properties and configuration of Nagios Core itself, and gradually moves on to other pieces of software that can

support, manage, and extend the system.

Research and Practical Issues of Enterprise Information Systems "O'Reilly Media, Inc."

If you need to get started with OpenStack or want to learn more, then this book is your perfect companion. If you're comfortable with the Linux command line, you'll gain confidence in using OpenStack.