Nagios Core Services Platform (CSP) Installation Guide

Nagios CSP installation guide

This document is intended to outline the steps required to download and install the Nagios Core services Platform on its compatible Linux distributions and Windows operating systems and macOS.

Platform Support

See Nagios Software / OS Supported Versions

If you discover bugs or have fixes for installing Nagios XI on other platforms, please let us know. We will do our best to incorporate your improvements to expand support for additional platforms in future XI releases, which will make future installation processes smoother for you and your clients.

Terminal Access

For Linux installations these instructions require you to establish a terminal session to the server in which you plan to install Nagios CSP on. You will need to login as the root user to perform the installation (or a user with root privileges).

The primary featured monitoring solution on the CSP distribution is Nagios XI. This guide will take you through the steps involved in getting the Nagios XI virtual machine that is part of the CSP distribution up and running on the following operating systems:

- Linux (page 2)
- Windows (page 5)
- macOS (Page 9)

If you run into problems with installation or configuration of Nagios XI or the CSP distribution, please contact our team on the community support forum at: https://www.nagios.org/community

Nagios Installation Guide

Mike Meyers

Nagios Installation Guide:

Network Administrators Survival Guide Anand Deveriya, 2006 The all in one practical guide to supporting Cisco networks Learning Nagios Wojciech Kocjan, Piotr Beltowski, 2016-08-31 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 can be Nagios can be customized and tailored to your needs Get to know more about the entreprise 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 Nagios Core Administration Cookbook Tom Ryder, 2016-02-29 Over 90 hands on recipes that will ending with securing it

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 pinging 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 Novell Certified Linux 9 (CLE 9) Study Guide Robb H. Tracy, 2005-08-31 The Novell Certified Linux Engineer CLE Study Guide is designed to prepare you for the challenge of the most current CLE practicum The author s experience as a certification trainer and system administrator will provide you with a real world understanding of how to administer and troubleshoot Novell Linux products and services Exam topics are covered through real world examples with quided steps that were developed in the field With the Novell Certified Linux Engineer CLE Study Guide you will master the knowledge of administering and troubleshooting the Novell Linux systems and prepare for CLE exam success

<u>PostgreSQL 10 High Performance</u> Enrico Pirozzi,2018-04-30 Leverage the power of PostgreSQL 10 to design administer

and maintain a high performance database solution Key Features Obtain optimal PostgreSOL 10 database performance ranging from initial design to routine maintenance Fine tune the performance of your queries and avoid the common pitfalls that can slow your system down Contains tips and tricks on scaling successful database installations and ensuring a highly available PostgreSQL solution Book Description PostgreSQL database servers have a common set of problems that they encounter as their usage gets heavier and requirements get more demanding Peek into the future of your PostgreSQL 10 database s problems today Know the warning signs to look for and how to avoid the most common issues before they even happen Surprisingly most PostgreSQL database applications evolve in the same way choose the right hardware tune the operating system and server memory use optimize queries against the database and CPUs with the right indexes and monitor every layer from hardware to gueries using tools from inside and outside PostgreSQL Also using monitoring insight PostgreSQL database applications continuously rework the design and configuration On reaching the limits of a single server they break things up connection pooling caching partitioning replication and parallel gueries can all help handle increasing database workloads By the end of this book you will have all the knowledge you need to design run and manage your PostgreSQL solution while ensuring high performance and high availability What you will learn Learn best practices for scaling PostgreSQL 10 installations Discover the best hardware for developing high performance PostgreSQL applications Benchmark your whole system from hardware to application Learn by real examples how server parameters impact performance Discover PostgreSQL 10 features for partitioning and parallel query Monitor your server both inside and outside the database Design and implement a good replication system on PostgreSQL 10 Who this book is for This book is designed for database administrators and PostgreSQL architects who already use or plan to exploit the features of PostgreSQL 10 to design and maintain a high performance PostgreSQL database A working knowledge of SQL and some experience with PostgreSQL will be helpful in getting the most out of this book Nagios David Josephsen, 2013-03-27 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 Monitoring Infrastructure with Nagios David Josephsen, 2007-02-20 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 **Linux Administration: A Beginners Guide, Sixth Edition** Wale Soyinka, 2012-02-06 Essential Linux Management Skills Made Easy Effectively deploy and maintain Linux and other Free and Open Source Software FOSS on your servers or entire network using this practical resource Linux Administration A Beginner's Guide Sixth Edition provides up to date details on the latest Linux distributions including Fedora Red Hat Enterprise Linux CentOS Debian and Ubuntu Learn how to install and customize Linux work from the GUI or command line configure Internet and intranet services interoperate with Windows systems and create reliable backups Performance tuning security and virtualization are also covered and real world examples help you put the techniques presented into practice Install and configure popular Linux distributions including the latest versions of Fedora CentOS openSUSE Debian and Ubuntu Administer Linux servers from the GUI or from the command line shell Manage users permissions folders and native FOSS applications Compile tune upgrade and customize the latest Linux kernel 3 x series Work with proc SysFS and cgroup file systems Understand and manage the Linux TCP IP networking stack and services for both IPv4 and IPv6 Build robust firewalls and routers using Netfilter and Linux Create and maintain print e mail FTP and web servers Use LDAP or NIS for identity management Set up and administer DNS POP3 IMAP3 and DHCP servers Use GlusterFS NFS and Samba for sharing and distributing file system resources Explore and implement Linux virtualization technologies using KVM Administration: A Beginner's Guide, Eighth Edition Wale Soyinka, 2020-04-10 Publisher's Note Products purchased from Third Party sellers are not guaranteed by the publisher for guality authenticity or access to any online entitlements included with the product Gain Essential Linux Administration Skills Easily Effectively set up and manage popular Linux distributions on individual servers and build entire network infrastructures using this practical resource Fully updated to cover the latest tools and techniques Linux Administration A Beginner's Guide Eighth Edition features clear explanations step by step instructions and real world examples Find out how to configure hardware and software work from the command line or GUI maintain Internet and network services and secure your data Performance tuning virtualization containers software management security and backup solutions are covered in detail Install and configure Linux including the latest distributions from Fedora Ubuntu CentOS openSUSE Debian and RHEL Set up and administer core system services daemons users and groups Manage software applications from source code or binary packages Customize build or patch the Linux kernel Understand and manage the Linux network stack and networking protocols including TCP IP ARP IPv4 and IPv6 Minimize security threats and build reliable firewalls and routers with Netfilter iptables and nftables and Linux Create and maintain DNS FTP web e mail print LDAP VoIP and SSH servers and services Share resources using GlusterFS NFS and Samba Spin up and manage Linux based servers in popular cloud environments such as OpenStack AWS Azure Linode and GCE Explore virtualization and container technologies using KVM Docker Kubernetes and Open Container Initiative OCI tooling Download specially curated Virtual Machine image and containers that replicate various exercises software servers commands and

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Whispering the Strategies of Language: An Mental Quest through Nagios Installation Guide

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