



Nagios 功能介绍

— 一小九

1 概述

Nagios 是一个监视系统运行状态和网络信息的监视系统。Nagios 能监视所指定的本地或远程主机以及服务，同时提供异常通知功能等

Nagios 可运行在 Linux/Unix 平台之上，同时提供一个可选的基于浏览器的 WEB 界面以方便系统管理人员查看网络状态，各种系统问题，以及日志等等。

功能特点：

- 监视网络服务 (SMTP, POP3, HTTP, NNTP, PING 等)
- 监视主机资源 (进程, 磁盘等)
- 简单的插件设计可以轻松扩展 Nagios 的监视功能
- 服务等监视的并发处理
- 错误通知功能 (通过 email, pager, 或其他用户自定义方法)
- 可指定自定义的事件处理控制器
- 可选的基于浏览器的 WEB 界面以方便系统管理人员查看网络状态, 各种系统问题, 以及日志等等
- 可以通过手机查看系统监控信息

2 Nagios 产品簇

2.1 Nagiso XI

Nagios XI is a commercial monitoring solution that is built on Nagios Core and includes dashboards, web-based configuration, advanced reporting, and rich data visualizations.

2.2 Nagios log server

Our powerful enterprise-class log monitoring and management application that allows organizations to quickly and easily view, sort, and configure logs from any source on any given network. Log Server is designed to analyze, collect, and store log data based on custom specifications, and provide users with extended insight into the data on their network's infrastructure.

Nagios Log Server provides users the ability to quickly and easily search and analyze all types of log data from one location. Users can then easily drill down to specific problems enabling faster problem resolution across an entire infrastructure.

2.3 Nagios Network Analyzer

Our commercial-grade network flow data analysis solution for providing organizations with



extended insight into their IT infrastructure and network traffic. Network Analyzer allows you to be proactive in resolving outages, aberrant behavior, and security threats before they affect critical business processes.

Nagios Network Analyzer provides network traffic and bandwidth information for your entire IT infrastructure, making it easier for teams and individuals to ensure that systems, applications, services, and business processes are functioning properly.

2.4 Nagios Fusion

The solution for visualizing operational status and enabling faster problem resolution across an organization's entire IT infrastructure.

Nagios Fusion provides organizations with the ability to quickly identify and solve problems on an infrastructure-wide basis before they affect critical business processes.

IT operations staff use Nagios Fusion to gain insight into in the health of the organization's entire network through a centralized view of their monitoring infrastructure, enabling faster problem detection and resolution.

2.5 Nagios Incident Manager

Our powerful tool for managing infrastructure incidents and enabling faster problem resolution across an organization's entire IT infrastructure.

Nagios Incident Manager is an enterprise-class incident management application that allows teams and individuals to track and solve problems faster using a powerful web-based application that offers security, mobility, third-party integration, and tools for collaboration.

2.6 Nagios Reactor

An open source automation engine designed to save organizations time and money by reacting to problems automatically

2.7 Nagios Core

Nagios Core is a free, Open Source monitoring engine that provides basic alerting and reporting capabilities.

3 Nagiso 插件

3.1 Cnyunwei-Cacti+Nagios

Cnyunwei-Cacti+Nagios 是一个基于 CentOS 系统集成 Cacti、Nagios、Centreon、Check_MK、Nconf 的全自动安装系统，并集成 Cacti 的相关常用插件，及集成 Nconf 在线配置 Nagios，及集成简单实用的 MySQL 数据库管理工具 phpMyAdmin 等实用工具，省去自己一步一步安装的麻烦，集成了我们运维最常用的插件，足以应付我们日常的工作需要，集成中、英文两个版本……

集成更多实用的模板，集成 Apache 模板、IIS 模板、MySQL 数据库模板、SQL Server 数据库模板、Squid 模板、Nginx 模板、打印机模板、多 CPU 图合一模板、HP EVA Commandview 模板、Cisco - 2900/3500 模板、Huawei S3900 Series 模板、Memcached Server 模板、F5 模



板…………集成 Monitor、Thold、Manage、Syslog、NPC、Clog、Weathermap 等等近 40 个扩展插件(默认只安装了部分,自己可以有选择的安装),还集成 pnp4nagios,图形展示 Nagios 监控……

3.2 PNP4Nagios

PNP4Nagios 是一个用于显示 Nagios 性能图表的插件,基于 RRDTool 日志分析,并以 Kohana(一个 PHP 开发框架)呈现在 Web 端,可以以 Action Url 的形式集成到 Nagios 中。

3.3 Nagios WAS

Nagios WAS 是个用来监控 IBM 的 WebSphere 应用服务器的 Nagios 插件。监控的内容包括:

- MonitorJvmHeapsize
- MonitorJdbcConnectionPools
- MonitorThreadPools
- MonitorLiveSessions

3.4 Nagios plugin for Ceph

这是一个 Nagios 的插件用来对 Ceph 集群的运行状态进行监控。

3.5 Nagios plugin for JBoss

这是一个用来在 Nagios 平台上监控 JBoss 应用服务器的插件,通过 MBean 的小型收集器,这是一个基于 Perl 的 Nagios 插件,你可以轻松的监控 JBoss 服务器中输出的 JMX 值,在 Nagios 服务器上无需安装 JDK 或者是 JBoss。

4 Nagios Core 截图



4.1 Main Splash Screen

Nagios

Version 3.1.0
January 25, 2009

[Read what's new in Nagios 3](#)

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1/32 Main Splash Screen

Tweet

4.2 Tactical overview

Nagios Tactical Monitoring Overview

Last Updated: Fri Jan 11 11:48:14 CST 2008
Updated every 90 seconds
Nagios® 3.0rc1 - www.nagios.org
Logged in as nagiosadmin

Monitoring Performance

Service Check Execution Time:	0.02 / 10.28 / 0.445 sec
Service Check Latency:	0.00 / 0.85 / 0.153 sec
Host Check Execution Time:	0.26 / 4.06 / 3.147 sec
Host Check Latency:	0.00 / 0.94 / 0.535 sec
# Active Host / Service Checks:	17 / 175
# Passive Host / Service Checks:	0 / 0

Network Outages

0 Outages

Network Health

Host Health: OK

Service Health: OK

Hosts

0 Down	0 Unreachable	17 Up	0 Pending
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Services

2 Critical	4 Warning	0 Unknown	169 Ok	0 Pending
------------	-----------	-----------	--------	-----------

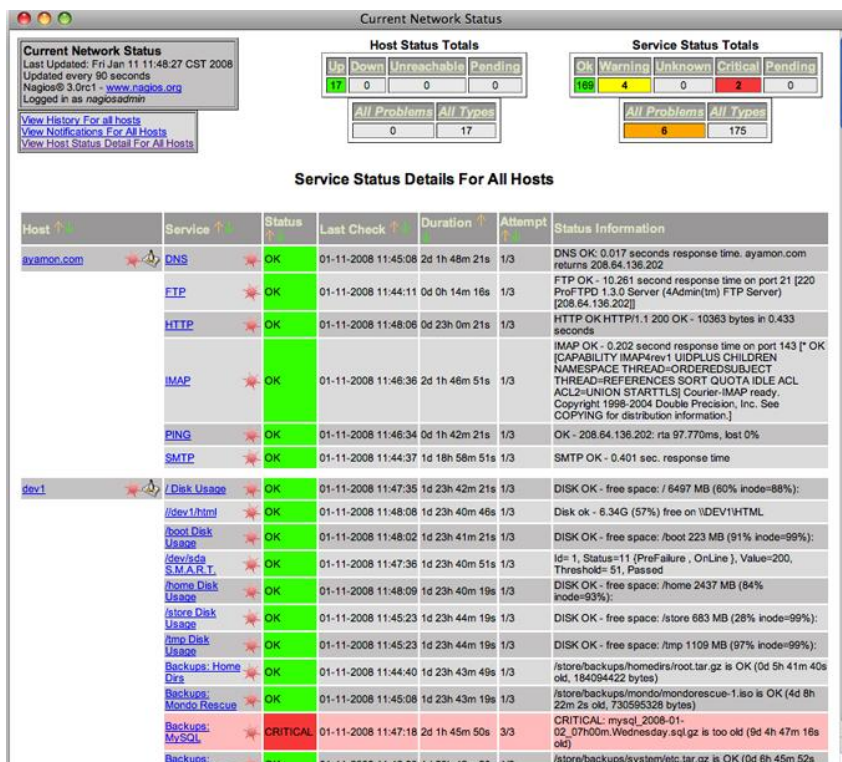
2 Unhandled Problems 4 Unhandled Problems

Monitoring Features

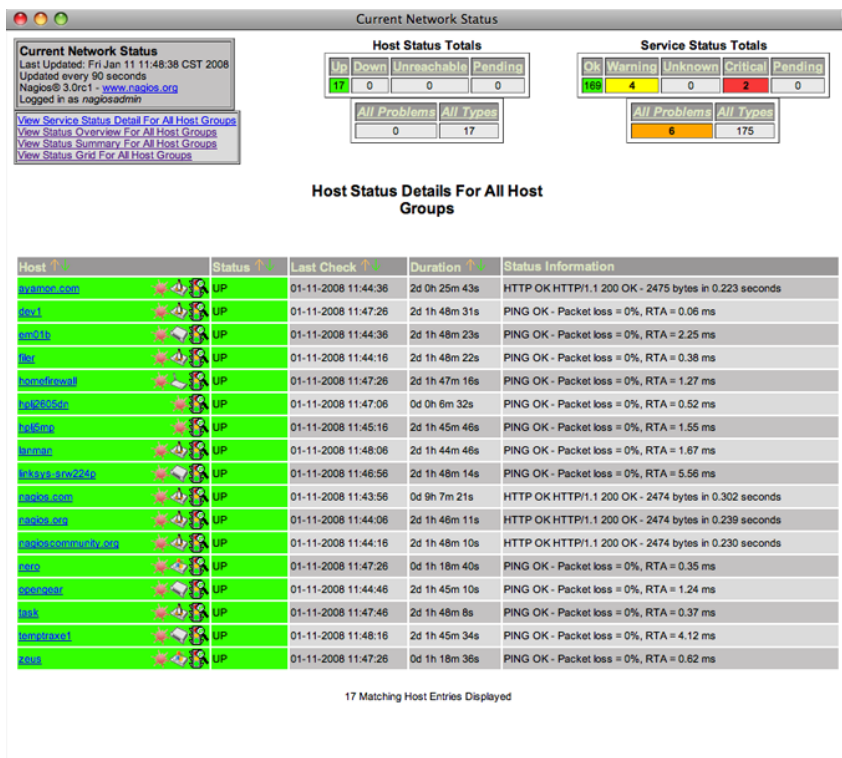
Flap Detection	Notifications	Event Handlers	Active Checks	Passive Checks
Enabled	Enabled	Enabled	Enabled	Enabled
All Services Enabled	All Services Enabled	All Services Enabled	All Services Enabled	All Services Enabled
No Services Flapping	All Hosts Enabled	All Hosts Enabled	All Hosts Enabled	All Hosts Enabled
All Hosts Enabled				
No Hosts Flapping				



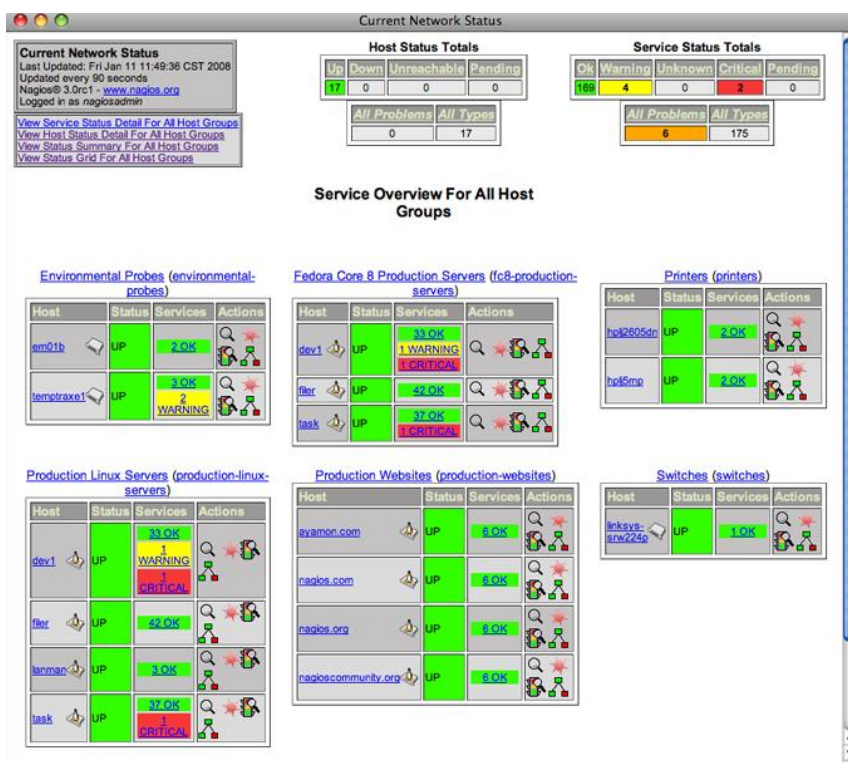
4.3 Service detail



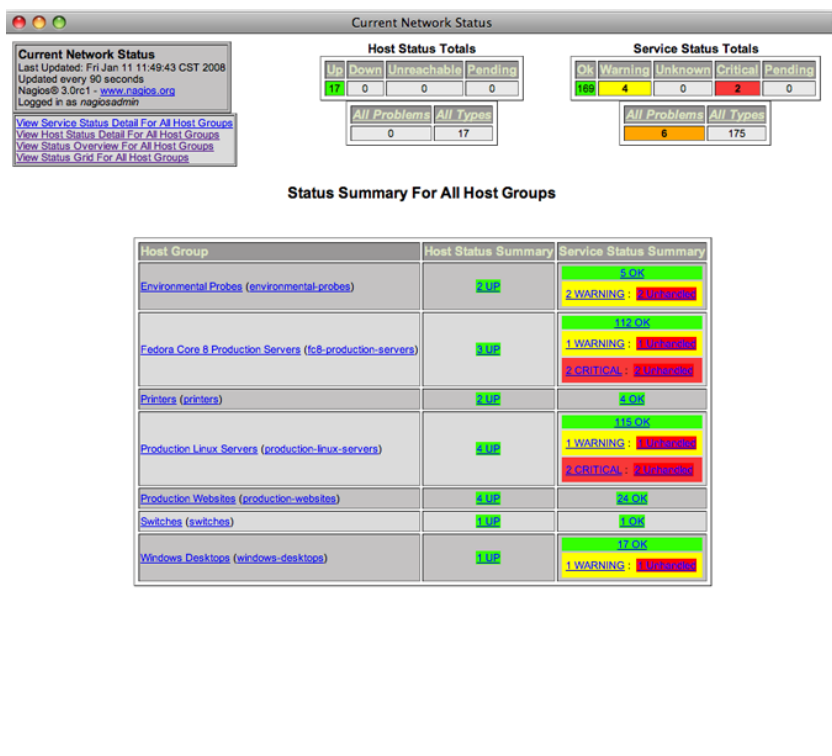
4.4 Host Detail



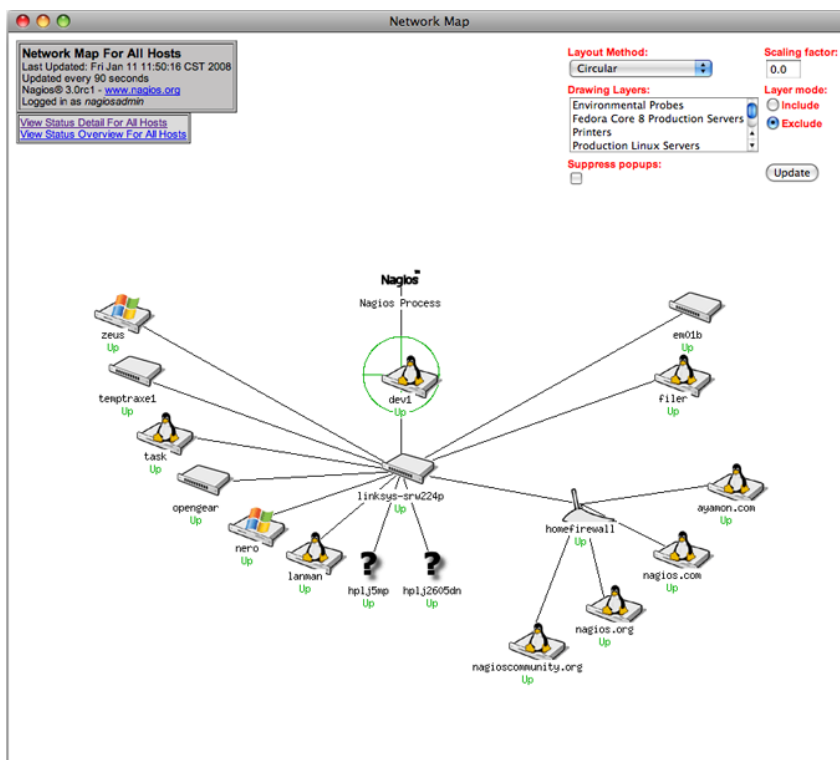
4.5 Hostgroup Overview



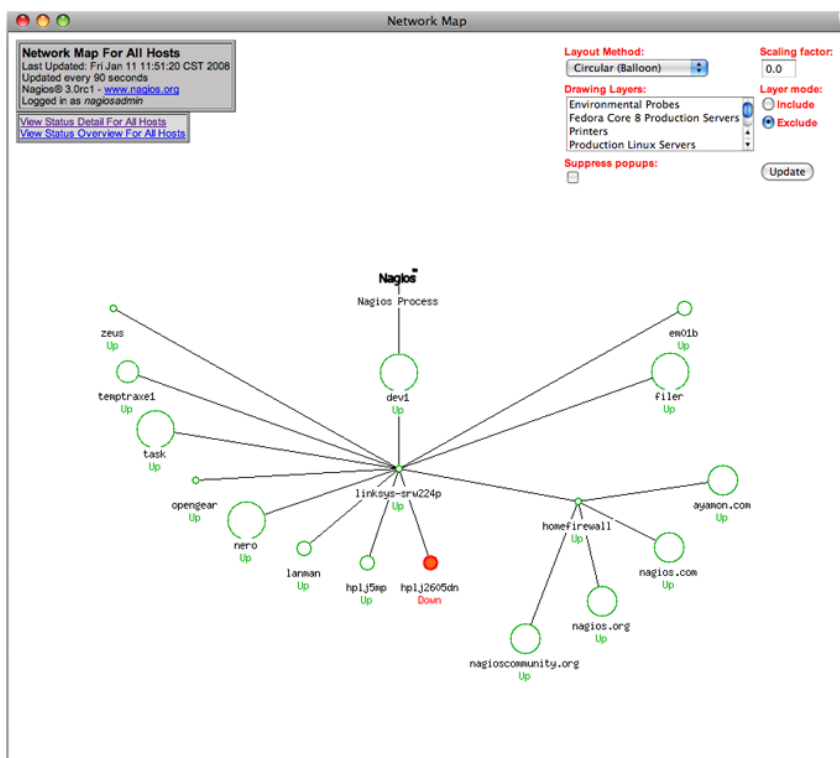
4.6 Hostgroup Summary



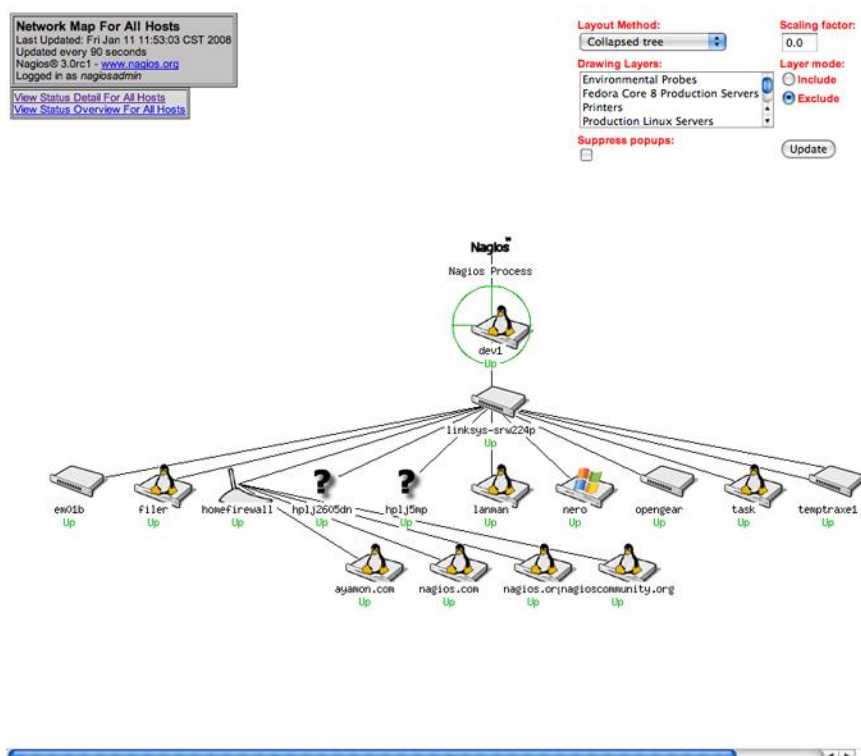
4.9 Circular Status Map



4.10 Balloon Status Map



4.11 Tree Status Map




4.12 Comments

All Host and Service Comments
 Last Updated: Fri Jan 11 12:01:30 CST 2008
 Updated every 90 seconds
 Nagios® 3.0rc1 - www.nagios.org
 Logged in as nagiosadmin

[[Host Comments](#) | [Service Comments](#)]

Host Comments
[Add a new host comment](#)

Host Name	Entry Time	Author	Comment	Comment ID	Persistent	Type	Expires	Actions
zeus	01-11-2008 11:57:17	(Nagios Process)	This host has been scheduled for flexible downtime starting between 01-11-2008 11:56:15 and 01-11-2008 13:56:15 and lasting for a period of 2 hours and 0 minutes. Notifications for the host will not be sent out during that time period.	40	No	Scheduled Downtime	N/A	

Service Comments
[Add a new service comment](#)

Host Name	Service	Entry Time	Author	Comment	Comment ID	Persistent	Type	Expires	Actions
There are no service comments									



4.13 Scheduled Downtime

All Host and Service Scheduled Downtime
Last Updated: Fri Jan 11 11:58:01 CST 2008
Updated every 90 seconds
Nagios® 3.0rc1 - www.nagios.org
Logged in as nagiosadmin

[\[Host Downtime | Service Downtime \]](#)

Scheduled Host Downtime

[Schedule host downtime](#)

Host Name	Entry Time	Author	Comment	Start Time	End Time	Type	Duration	Downtime ID	Trigger ID	Actions
zeus	01-11-2008 11:57:16	Nagios Admin	linux workstation downtime	01-11-2008 11:56:15	01-11-2008 13:56:15	Flexible	0d 2h 0m 0s	1	N/A	

Scheduled Service Downtime

[Schedule service downtime](#)

Host Name	Service	Entry Time	Author	Comment	Start Time	End Time	Type	Duration	Downtime ID	Trigger ID	Actions
There are no services with scheduled downtime											

4.14 Scheduling Host Downtime

External Command Interface
Last Updated: Fri Jan 11 11:58:06 CST 2008
Nagios® 3.0rc1 - www.nagios.org
Logged in as nagiosadmin

You are requesting to schedule downtime for a particular host

Command Options	Command Description
<div><p>Host Name: <input type="text" value="filer"/></p><p>Author (Your Name): <input type="text" value="Nagios Admin"/></p><p>Comment: <input type="text" value="weekly system updates - fileserver"/></p><p>Triggered By: <input type="text" value="N/A"/></p><p>Start Time: <input type="text" value="01-11-2008 11:58:06"/></p><p>End Time: <input type="text" value="01-11-2008 13:58:06"/></p><p>Type: <input type="text" value="Fixed"/></p><p>If Flexible, Duration: <input type="text" value="2"/> Hours <input type="text" value="0"/> Minutes</p><p>Child Hosts: <input type="text" value="Do nothing with child hosts"/></p><p><input type="button" value="Commit"/> <input type="button" value="Reset"/></p></div>	<div><p>This command is used to schedule downtime for a particular host. During the specified downtime, Nagios will not send notifications out about the host. When the scheduled downtime expires, Nagios will send out notifications for this host as it normally would. Scheduled downtimes are preserved across program shutdowns and restarts.</p><p>Both the start and end times should be specified in the following format: mm/dd/yyyy hh:mm:ss. If you select the fixed option, the downtime will be in effect between the start and end times you specify. If you do not select the fixed option, Nagios will treat this as "flexible" downtime. Flexible downtime starts when the host goes down or becomes unreachable (sometime between the start and end times you specified) and lasts as long as the duration of time you enter. The duration fields do not apply for fixed downtime.</p></div>

Please enter all required information before committing the command.
Required fields are marked in red.
Failure to supply all required values will result in an error.



4.15 Scheduling Service Downtime

External Command Interface
Last Updated: Fri Jan 11 11:59:11 CST 2008
Nagios® 3.0rc1 - www.nagios.org
Logged in as nagiosadmin

You are requesting to schedule downtime for a particular service

Command Options		Command Description
Host Name:	<input type="text" value="filer"/>	<p>This command is used to schedule downtime for a particular service. During the specified downtime, Nagios will not send notifications out about the service. When the scheduled downtime expires, Nagios will send out notifications for this service as it normally would. Scheduled downtimes are preserved across program shutdowns and restarts. Both the start and end times should be specified in the following format: mm/dd/yyyy hh:mm:ss. option, Nagios will treat this as "flexible" downtime. Flexible downtime starts when the service enters a non-OK state (sometime between the start and end times you specified) and lasts as long as the duration of time you enter. The duration fields do not apply for fixed downtime.</p>
Service:	<input type="text" value="NRPE"/>	
Author (Your Name):	<input type="text" value="Nagios Admin"/>	
Comment:	<input type="text" value="NRPE rebuild and update"/>	
Triggered By:	<input type="text" value="N/A"/>	
Start Time:	<input type="text" value="01-11-2008 12:59:11"/>	
End Time:	<input type="text" value="01-11-2008 13:59:11"/>	
Type:	<input type="text" value="Fixed"/>	
If Flexible, Duration:	<input type="text" value="2"/> Hours <input type="text" value="0"/> Minutes	
<input type="button" value="Commit"/> <input type="button" value="Reset"/>		

Please enter all required information before committing the command.
Required fields are marked in red.
Failure to supply all required values will result in an error.

4.16 Nagios Process Info

Nagios Process Information
Last Updated: Fri Jan 11 12:01:39 CST 2008
Updated every 90 seconds
Nagios® 3.0rc1 - www.nagios.org
Logged in as nagiosadmin

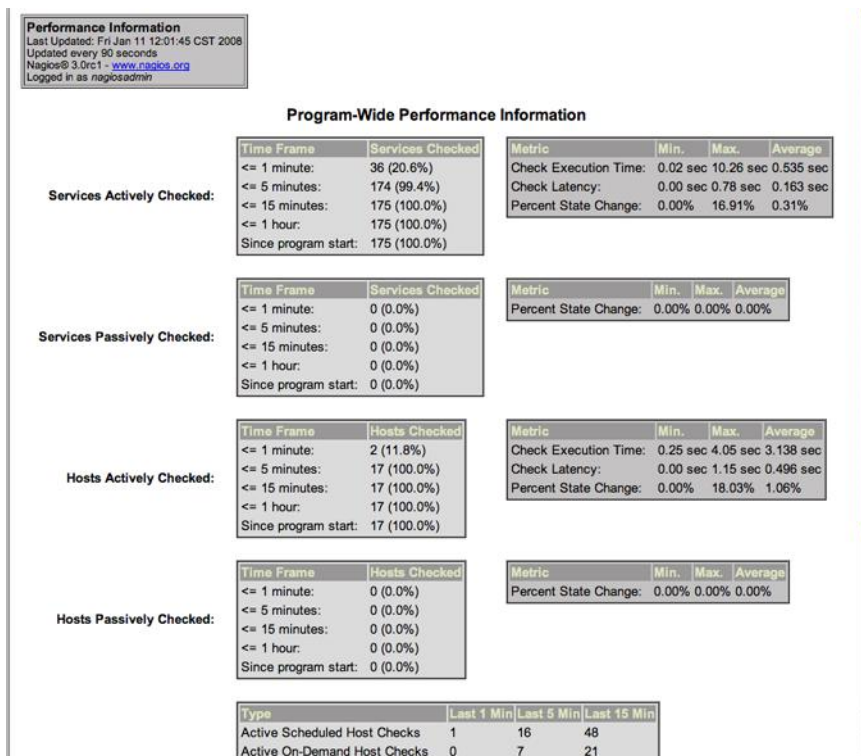
Process Information

Program Version:	3.0rc1
Program Start Time:	01-11-2008 11:36:54
Total Running Time:	0d 0h 24m 45s
Last External Command Check:	01-11-2008 12:01:35
Last Log File Rotation:	N/A
Nagios PID	24140
Notifications Enabled?	YES
Service Checks Being Executed?	YES
Passive Service Checks Being Accepted?	YES
Host Checks Being Executed?	YES
Passive Host Checks Being Accepted?	YES
Event Handlers Enabled?	Yes
Obsessing Over Services?	No
Obsessing Over Hosts?	No
Flap Detection Enabled?	Yes
Performance Data Being Processed?	Yes

Process Commands

- Shutdown the Nagios process
- Restart the Nagios process
- Disable notifications
- Stop executing service checks
- Stop accepting passive service checks
- Stop executing host checks
- Stop accepting passive host checks
- Disable event handlers
- Start obsessing over services
- Start obsessing over hosts
- Disable flap detection
- Disable performance data

4.17 Performance Info



4.18 Scheduled Event Queue

Check Scheduling Queue
Last Updated: Fri Jan 11 12:02:00 CST 2008
Updated every 90 seconds
Nagios® 3.0rc1 - www.nagios.org
Logged in as nagiosadmin

Entries sorted by next check time (ascending)

Host	Service	Last Check	Next Check	Type	Active Checks	Actions
filer	Yum Updates	01-11-2008 11:59:56	01-11-2008 12:01:56	Normal	ENABLED	
task	Backups: MySQL	01-11-2008 11:57:00	01-11-2008 12:02:00	Normal	ENABLED	
nagioscommunity.org	IMAP	01-11-2008 11:57:00	01-11-2008 12:02:00	Normal	ENABLED	
task	/boot Disk Usage	01-11-2008 11:57:02	01-11-2008 12:02:02	Normal	ENABLED	
task	Service Status: sshd	01-11-2008 11:57:03	01-11-2008 12:02:03	Normal	ENABLED	
task	Service Status: mysqld	01-11-2008 11:57:04	01-11-2008 12:02:04	Normal	ENABLED	
task	SSH	01-11-2008 11:57:04	01-11-2008 12:02:04	Normal	ENABLED	
nagioscommunity.org	FTP	01-11-2008 11:57:04	01-11-2008 12:02:04	Normal	ENABLED	
dev1	CPU Stats	01-11-2008 11:57:09	01-11-2008 12:02:09	Normal	ENABLED	
dev1	Service Status: smb	01-11-2008 11:57:13	01-11-2008 12:02:13	Normal	ENABLED	
nero	CPU Load	01-11-2008 11:57:15	01-11-2008 12:02:15	Normal	ENABLED	
filer	/filer/sysimages	01-11-2008 11:57:15	01-11-2008 12:02:15	Normal	ENABLED	
nero	Service: DNS Client	01-11-2008 11:57:16	01-11-2008 12:02:16	Normal	ENABLED	
hplj2605dn	Printer Status	01-11-2008 11:57:18	01-11-2008 12:02:18	Normal	ENABLED	
dev1	Backups: MySQL	01-11-2008 11:57:18	01-11-2008 12:02:18	Normal	ENABLED	
filer	Service Status: sendmail	01-11-2008 11:57:19	01-11-2008 12:02:19	Normal	ENABLED	
filer	DHCP	01-11-2008 11:57:19	01-11-2008 12:02:19	Normal	ENABLED	
task	/store Disk Usage	01-11-2008 11:57:20	01-11-2008 12:02:20	Normal	ENABLED	
nero	C:\ Drive Space	01-11-2008 11:57:20	01-11-2008 12:02:20	Normal	ENABLED	
temptrax1	Probe 1	01-11-2008 11:57:23	01-11-2008 12:02:23	Normal	ENABLED	
filer	Zombie Procs	01-11-2008 11:57:23	01-11-2008 12:02:23	Normal	ENABLED	
linksys-sw224p		01-11-2008 11:57:16	01-11-2008 12:02:26	Normal	ENABLED	
dev1		01-11-2008 12:00:46	01-11-2008 12:02:27	Normal	ENABLED	



4.19 Alert History

Alert History
Last Updated: Fri Jan 11 12:02:30 CST 2008
Nagios® 3.0rc1 - www.nagios.org
Logged in as nagiosadmin
[View Status Detail For All Hosts](#)
[View Notifications For All Hosts](#)

All Hosts and Services

Latest Archive

Log File Navigation
Fri Jan 11 00:00:00 CST 2008 to Present..

File: /usr/local/nagios/var/nagios.log

State type options:

History detail level for all hosts:

☐ Hide Flapping Alerts
☐ Hide Downtime Alerts
☐ Hide Process Messages
☐ Older Entries First

January 11, 2008 12:00

01-11-2008 12:02:16] SERVICE ALERT: fler;Yum Updates;OK;SOFT;2;YUM OK: O/S is up to date.

01-11-2008 12:00:16] SERVICE ALERT: fler;Yum Updates;CRITICAL;SOFT;1;CHECK_NRP: Socket timeout after 10 seconds.

January 11, 2008 11:00

01-11-2008 11:52:56] SERVICE ALERT: hplj2605dn;PING;OK;SOFT;2;OK - 192.168.1.30: rta 0.268ms, lost 0%

01-11-2008 11:52:26] HOST ALERT: hplj2605dn;UP;SOFT;2;PING OK - Packet loss = 0%, RTA = 0.62 ms

01-11-2008 11:51:06] HOST ALERT: hplj2605dn;DOWN;SOFT;1;CRITICAL - Host Unreachable (192.168.1.30)

01-11-2008 11:50:56] SERVICE ALERT: hplj2605dn;PING;CRITICAL;SOFT;1;CRITICAL - 192.168.1.30: rta nan, lost 100%

01-11-2008 11:45:56] SERVICE ALERT: hplj2605dn;PING;OK;HARD;1;OK - 192.168.1.30: rta 0.650ms, lost 0%

01-11-2008 11:45:06] SERVICE ALERT: fler;Yum Updates;OK;HARD;3;YUM OK: O/S is up to date.

01-11-2008 11:42:56] SERVICE ALERT: fler;Memory Usage;OK;HARD;3;OK - 308 / 756 MB (40%) Free Memory, Used: 448 MB, Shared: 0 MB, Buffers: 59 MB, Cached: 274 MB

01-11-2008 11:42:26] SERVICE ALERT: hplj2605dn;Printer Status;OK;SOFT;2;Printer ok - ("Ready")

01-11-2008 11:42:06] HOST ALERT: hplj2605dn;UP;SOFT;3;PING OK - Packet loss = 0%, RTA = 0.46 ms

01-11-2008 11:40:56] SERVICE ALERT: hplj2605dn;PING;CRITICAL;HARD;1;CRITICAL - 192.168.1.30: rta nan, lost 100%

01-11-2008 11:40:56] HOST ALERT: hplj2605dn;DOWN;SOFT;2;CRITICAL - Host Unreachable (192.168.1.30)

01-11-2008 11:40:36] HOST ALERT: hplj2605dn;DOWN;SOFT;1;CRITICAL - Host Unreachable (192.168.1.30)

01-11-2008 11:40:26] SERVICE ALERT: hplj2605dn;Printer Status;CRITICAL;SOFT;1;Timeout: No Response from 192.168.1.30. : Timeout from host 192.168.1.30

01-11-2008 11:36:54] Nagios 3.0rc1 starting... (PID=24137)

01-11-2008 11:36:54] Caught SIGTERM, shutting down...

01-11-2008 11:34:31] SERVICE ALERT: ayamon.com;FTP;OK;HARD;3;FTP OK - 10.753 second response time on port 21 [220 ProFTPD 1.3.0 Server (4Admin(tm) FTP Server) [208.64.136.202]]

01-11-2008 11:32:51] SERVICE ALERT: fler;Memory Usage;WARNING;HARD;3;WARNING - 8 / 756 MB (1%) Free Memory, Used: 748 MB, Shared: 0 MB, Buffers: 46 MB, Cached: 434 MB

01-11-2008 11:31:48] Nagios 3.0rc1 starting... (PID=22265)

01-11-2008 11:31:48] Caught SIGTERM, shutting down...

4.20 Notification History

Contact Notifications
Last Updated: Fri Jan 11 12:03:00 CST 2008
Nagios® 3.0rc1 - www.nagios.org
Logged in as nagiosadmin

All Contacts

Latest Archive

Log File Navigation
Fri Jan 11 00:00:00 CST 2008 to Present..

File: /usr/local/nagios/var/nagios.log

Notification detail level for all contacts:

☐ Older Entries First

Host	Service	Type	Time	Contact	Notification Command	Information
fler	Yum Updates	OK	01-11-2008 11:45:06	nagiosadmin	notify-service-by-email	YUM OK: O/S is up to date.
fler	Memory Usage	OK	01-11-2008 11:42:56	nagiosadmin	notify-service-by-email	OK - 308 / 756 MB (40%) Free Memory, Used: 448 MB, Shared: 0 MB, Buffers: 59 MB, Cached: 274 MB
nero	Physical Memory Usage	WARNING	01-11-2008 11:39:06	nagiosadmin	notify-service-by-email	WARNING: physical memory: Total: 0.999G - Used: 663M (64%) - Free: 360M (36%) - warning
ayamon.com	FTP	OK	01-11-2008 11:34:31	nagiosadmin	notify-service-by-email	FTP OK - 10.753 second response time on port 21 [220 ProFTPD 1.3.0 Server (4Admin(tm) FTP Server) [208.64.136.202]]
fler	Memory Usage	WARNING	01-11-2008 11:32:51	nagiosadmin	notify-service-by-email	WARNING - 8 / 756 MB (1%) Free Memory, Used: 748 MB, Shared: 0 MB, Buffers: 46 MB, Cached: 434 MB
ayamon.com	FTP	CRITICAL	01-11-2008 11:24:14	nagiosadmin	notify-service-by-email	No data received from host
fler	Memory Usage	OK	01-11-2008 11:23:54	nagiosadmin	notify-service-by-email	OK - 276 / 756 MB (36%) Free Memory, Used: 480 MB, Shared: 0 MB, Buffers: 62 MB, Cached: 176 MB
tempraxe1	Probe 2	WARNING	01-11-2008 11:18:13	nagiosadmin	notify-service-by-email	Temp Warning: Attic = 39.8 F
tempraxe1	Probe 1	WARNING	01-11-2008 11:13:53	nagiosadmin	notify-service-by-email	Temp Warning: Furnace Room = 80.7 F
task	Backups: MySQL	CRITICAL	01-11-2008 11:12:03	nagiosadmin	notify-service-by-email	CRITICAL: mysql_2008-01-02_07h00m.Wednesday.sql.gz is too old (9d 4h 11m 58s old)
dev1	Backups: MySQL	CRITICAL	01-11-2008 11:11:43	nagiosadmin	notify-service-by-email	CRITICAL: mysql_2008-01-02_07h00m.Wednesday.sql.gz is too old (9d 4h 11m 37s old)
dev1	Memory Usage	WARNING	01-11-2008 11:10:43	nagiosadmin	notify-service-by-email	WARNING - 93 / 1010 MB (8%) Free Memory, Used: 917 MB, Shared: 0 MB, Buffers: 136 MB, Cached: 640 MB
fler	Yum Updates	CRITICAL	01-11-2008 11:09:33	nagiosadmin	notify-service-by-email	CHECK_NRP: Socket timeout after 10 seconds.
nero	Physical Memory Usage	WARNING	01-11-2008 10:34:06	nagiosadmin	notify-service-by-email	WARNING: physical memory: Total: 0.999G - Used: 675M (66%) - Free: 348M (34%) - warning
fler	Memory Usage	WARNING	01-11-2008 10:28:57	nagiosadmin	notify-service-by-email	WARNING - 73 / 756 MB (9%) Free Memory, Used: 683 MB, Shared: 0 MB, Buffers: 101 MB, Cached: 471 MB
tempraxe1	Probe 4	OK	01-11-2008 10:18:07	nagiosadmin	notify-service-by-email	Temp Ok: Probe 4 = 23.6 F
tempraxe1	Probe 2	WARNING	01-11-2008 10:18:07	nagiosadmin	notify-service-by-email	Temp Warning: Attic = 38.7 F
tempraxe1	Probe 3	OK	01-11-2008 10:13:37	nagiosadmin	notify-service-by-email	Temp Ok: Port 3 = 72.8 F
tempraxe1	Probe 1	WARNING	01-11-2008 10:13:37	nagiosadmin	notify-service-by-email	Temp Warning: Furnace Room = 81.4 F
tempraxe1	Probe 2	CRITICAL	01-11-2008 10:13:07	nagiosadmin	notify-service-by-email	(Return code of 127 is out of bounds - plugin may be missing)



4.21 Event Log

Current Event Log
Last Updated: Fri Jan 11 12:03:10 CST 2008
Nagios® 3.0rc1 - www.nagios.org
Logged in as nagiosadmin

Log File Navigation
Fri Jan 11 00:00:00
CST 2008
to
Present..

☐ Older Entries First:

File: /usr/local/nagios/var/nagios.log

January 11, 2008 12:00

- [01-11-2008 12:02:16] SERVICE ALERT: fler,Yum Updates;OK;SOFT;2;YUM OK: O/S is up to date.
- [01-11-2008 12:00:16] SERVICE ALERT: fler,Yum Updates;CRITICAL;SOFT;1;CHECK_NRPE: Socket timeout after 10 seconds.

January 11, 2008 11:00

- [01-11-2008 11:57:17] EXTERNAL COMMAND: SCHEDULE_HOST_DOWNTIME:zeus;1200074175;1200081375;0;0;7200;Nagios Admin;linux workstation downtime
- [01-11-2008 11:52:56] SERVICE ALERT: hpj2605dn;PING;OK;SOFT;2;OK - 192.168.1.30: rta 0.268ms, lost 0%
- [01-11-2008 11:52:26] HOST ALERT: hpj2605dn;UP;SOFT;2;PING OK - Packet loss = 0%, RTA = 0.62 ms
- [01-11-2008 11:51:06] HOST ALERT: hpj2605dn;DOWN;SOFT;1;CRITICAL - Host Unreachable (192.168.1.30)
- [01-11-2008 11:50:56] SERVICE ALERT: hpj2605dn;PING;CRITICAL;SOFT;1;CRITICAL - 192.168.1.30: rta nan, lost 100%
- [01-11-2008 11:45:56] SERVICE ALERT: hpj2605dn;PING;OK;HARD;1;OK - 192.168.1.30: rta 0.650ms, lost 0%
- [01-11-2008 11:45:06] SERVICE NOTIFICATION: nagiosadmin;fler;Yum Updates;OK;notify-service-by-email;YUM OK: O/S is up to date.
- [01-11-2008 11:45:06] SERVICE ALERT: fler,Yum Updates;OK;HARD;3;YUM OK: O/S is up to date.
- [01-11-2008 11:42:56] SERVICE NOTIFICATION: nagiosadmin;fler;Memory Usage;OK;notify-service-by-email;OK - 308 / 756 MB (40%) Free Memory, Used: 448 MB, Shared: 0 MB, Buffers: 59 MB, Cached: 274 MB
- [01-11-2008 11:42:56] SERVICE ALERT: fler;Memory Usage;OK;HARD;3;OK - 308 / 756 MB (40%) Free Memory, Used: 448 MB, Shared: 0 MB, Buffers: 59 MB, Cached: 274 MB
- [01-11-2008 11:42:26] SERVICE ALERT: hpj2605dn;Printer Status;OK;SOFT;2;Printer ok - ("Ready")
- [01-11-2008 11:42:06] HOST ALERT: hpj2605dn;UP;SOFT;3;PING OK - Packet loss = 0%, RTA = 0.46 ms
- [01-11-2008 11:40:56] SERVICE ALERT: hpj2605dn;PING;CRITICAL;HARD;1;CRITICAL - 192.168.1.30: rta nan, lost 100%
- [01-11-2008 11:40:56] HOST ALERT: hpj2605dn;DOWN;SOFT;2;CRITICAL - Host Unreachable (192.168.1.30)
- [01-11-2008 11:40:36] HOST ALERT: hpj2605dn;DOWN;SOFT;1;CRITICAL - Host Unreachable (192.168.1.30)
- [01-11-2008 11:40:26] SERVICE ALERT: hpj2605dn;Printer Status;CRITICAL;SOFT;1;Timeout: No Response from 192.168.1.30. : Timeout from host 192.168.1.30
- [01-11-2008 11:39:06] SERVICE NOTIFICATION: nagiosadmin;nero;Physical Memory Usage;WARNING;notify-service-by-email;WARNING: physical memory: Total: 0.999G - Used: 863M (84%) - Free: 360M (36%) > warning
- [01-11-2008 11:36:54] Finished daemonizing... (New PID=24140)
- [01-11-2008 11:36:54] Event broker module '/usr/local/nagios/bin/ndomod-3x.o' initialized successfully.
- [01-11-2008 11:36:54] ndomod: Successfully connected to data sink. 0 queued items to flush.
- [01-11-2008 11:36:54] ndomod: NDMOD 1.4b7 (10-31-2007) Copyright (c) 2005-2007 Ethan Galstad (nagios@nagios.org)
- [01-11-2008 11:36:54] LOG VERSION: 2.0
- [01-11-2008 11:36:54] Local time is Fri Jan 11 11:36:54 CST 2008
- [01-11-2008 11:36:54] Nagios 3.0rc1 starting... (PID=24137)
- [01-11-2008 11:36:54] Event broker module '/usr/local/nagios/bin/ndomod-3x.o' deinitialized successfully.

4.22 Configuration View

Configuration
Last Updated: Fri Jan 11 12:03:29 CST 2008
Nagios® 3.0rc1 - www.nagios.org
Logged in as nagiosadmin

Object Type:

Hosts

Host Name	Alias/Description	Address	Parent Hosts	Max. Check Attempts	Check Interval	Retry Interval	Host Check Command	Obsess Over	Enable Active Checks	Enable Passive Checks	Check Freshness	Freshness Threshold	Default Contact
ayamon.com	ayamon.com	208.64.136.202	homefirewall	3	0h 5m 0s	0h 1m 0s	check_http	Yes	No	Yes	No	Auto-determined value	admins
dev1	Development Server #1	192.168.1.24		10	0h 5m 0s	0h 1m 0s	check_host_alive	Yes	No	Yes	No	Auto-determined value	admins
em01b	Websensor EM01B	192.168.1.6	linksys-srw224p	3	0h 5m 0s	0h 1m 0s	check_host_alive	Yes	No	Yes	No	Auto-determined value	admins
fler	File Sharing / Backup Server	192.168.1.21	linksys-srw224p	10	0h 5m 0s	0h 1m 0s	check_host_alive	Yes	No	Yes	No	Auto-determined value	admins
homefirewall	Linksys WRT54GL	192.168.1.254	linksys-srw224p	3	0h 5m 0s	0h 1m 0s	check_host_alive	Yes	No	Yes	No	Auto-determined value	admins
hpj2605dn	HP LJ 2605dn	192.168.1.30	linksys-srw224p	10	0h 5m 0s	0h 1m 0s	check_host_alive	Yes	No	Yes	No	Auto-determined value	admins
hpj5mp	HP LJ 5MP	192.168.1.31	linksys-srw224p	10	0h 5m 0s	0h 1m 0s	check_host_alive	Yes	No	Yes	No	Auto-determined value	admins
lanman	Nagios Development Machine	192.168.1.20	linksys-srw224p	10	0h 5m 0s	0h 1m 0s	check_host_alive	Yes	No	Yes	No	Auto-determined value	admins
linksys-srw224p	Linksys SRW224P	192.168.1.253	dev1	10	0h 5m 0s	0h 1m 0s	check_host_alive	Yes	No	Yes	No	Auto-determined value	admins



4.23 Alert Summary Menu

Alert Summary Report
Last Updated: Fri Jan 11 12:02:47 CST 2008
Nagios® 3.0rc1 - www.nagios.org
Logged in as nagiosadmin

Standard Reports:
Report Type: 25 Most Recent Hard Alerts

Custom Report Options:
Report Type: Most Recent Alerts
Report Period: Last 7 Days
If Custom Report Period...
Start Date (Inclusive): January 1 2008
End Date (Inclusive): January 11 2008
Limit To Hostgroup: ** ALL HOSTGROUPS **
Limit To Servicegroup: ** ALL SERVICEGROUPS **
Limit To Host: ** ALL HOSTS **
Alert Types: Host and Service Alerts
State Types: Hard and Soft States
Host States: All Host States
Service States: All Service States
Max List Items: 25

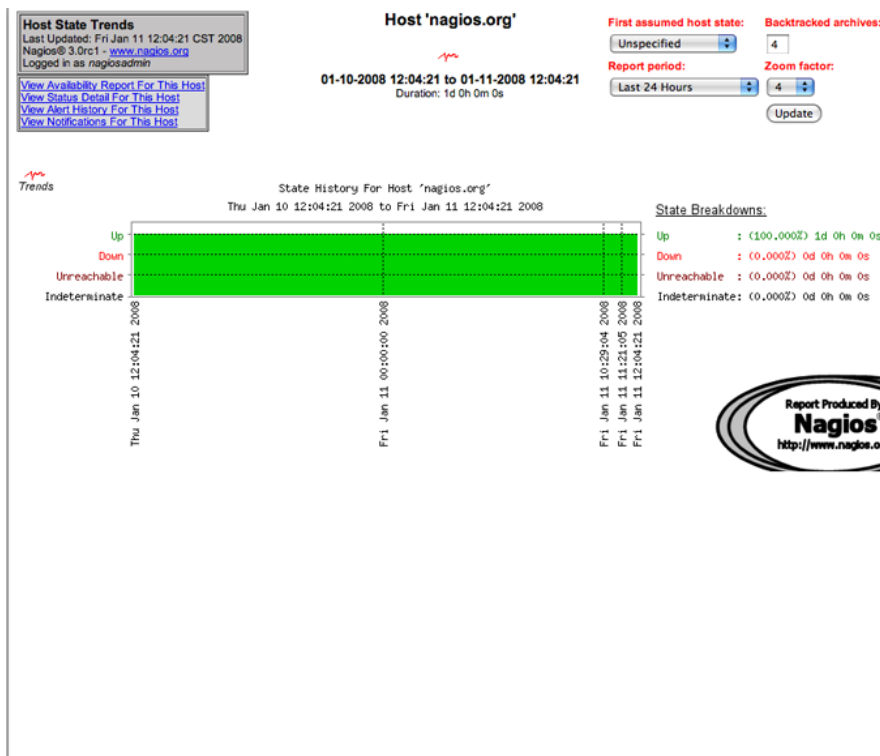
4.24 Trends Menu

Host State Trends
Last Updated: Fri Jan 11 12:05:46 CST 2008
Nagios® 3.0rc1 - www.nagios.org
Logged in as nagiosadmin

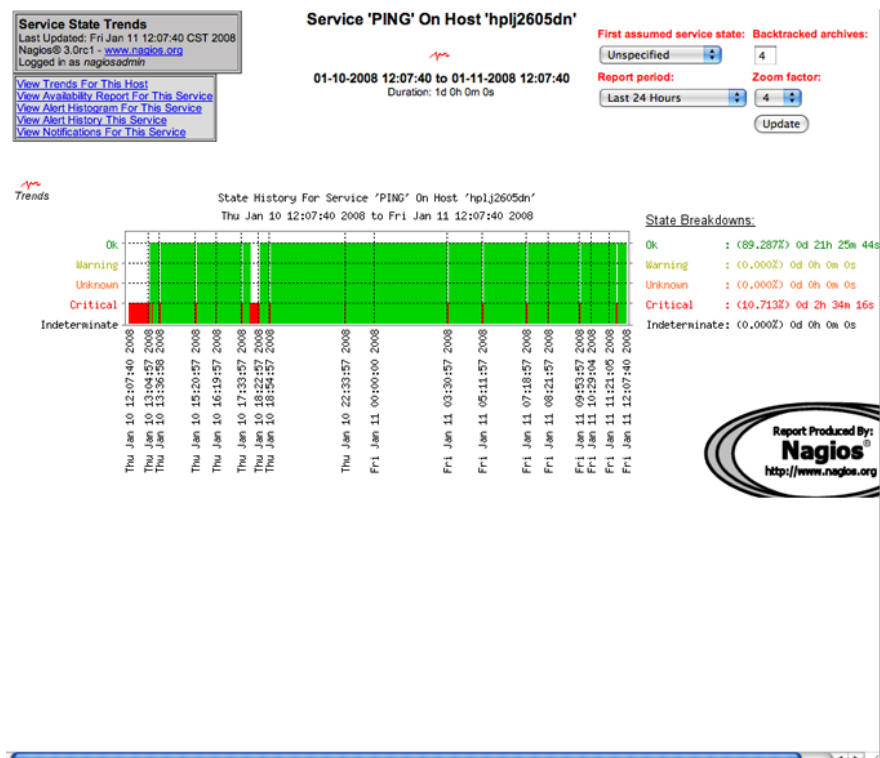
Step 3: Select Report Options
Report period: Last 7 Days
If Custom Report Period...
Start Date (Inclusive): January 1 2008
End Date (Inclusive): January 11 2008
Assume Initial States: Yes
Assume State Retention: Yes
Assume States During Program Downtime: Yes
Include Soft States: No
First Assumed Host State: Unspecified
Backtracked Archives (To Scan For Initial States): 4
Suppress image map: ☐
Suppress popups: ☐



4.25 Host State Trends

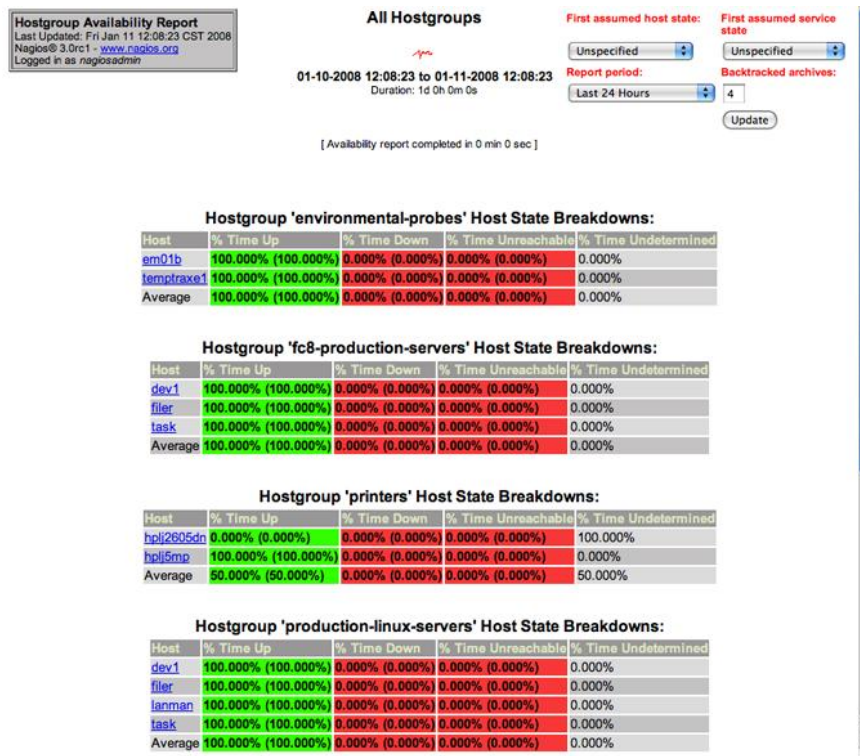


4.26 Service State Trends

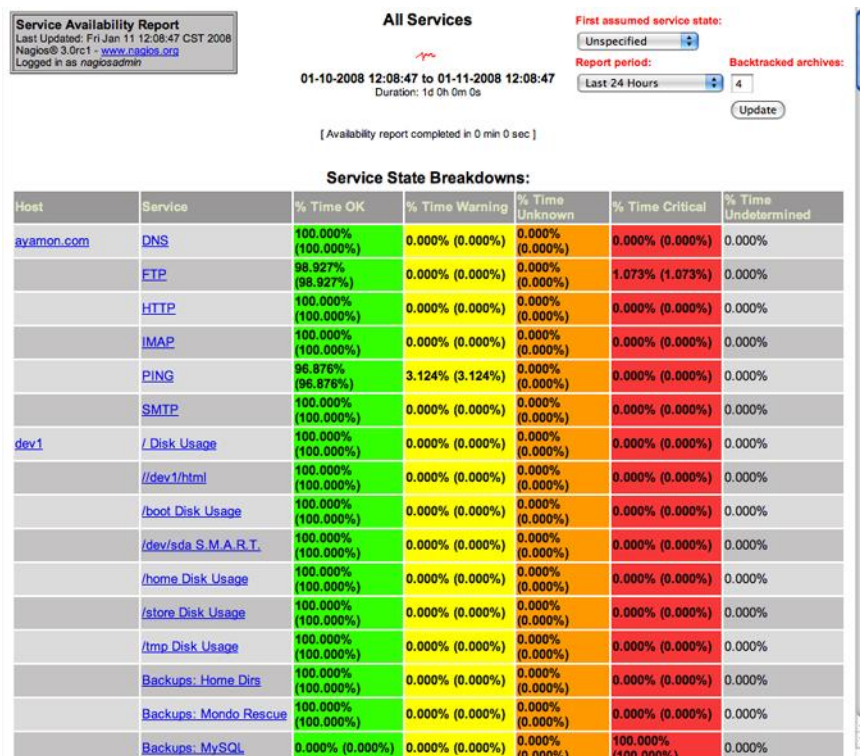




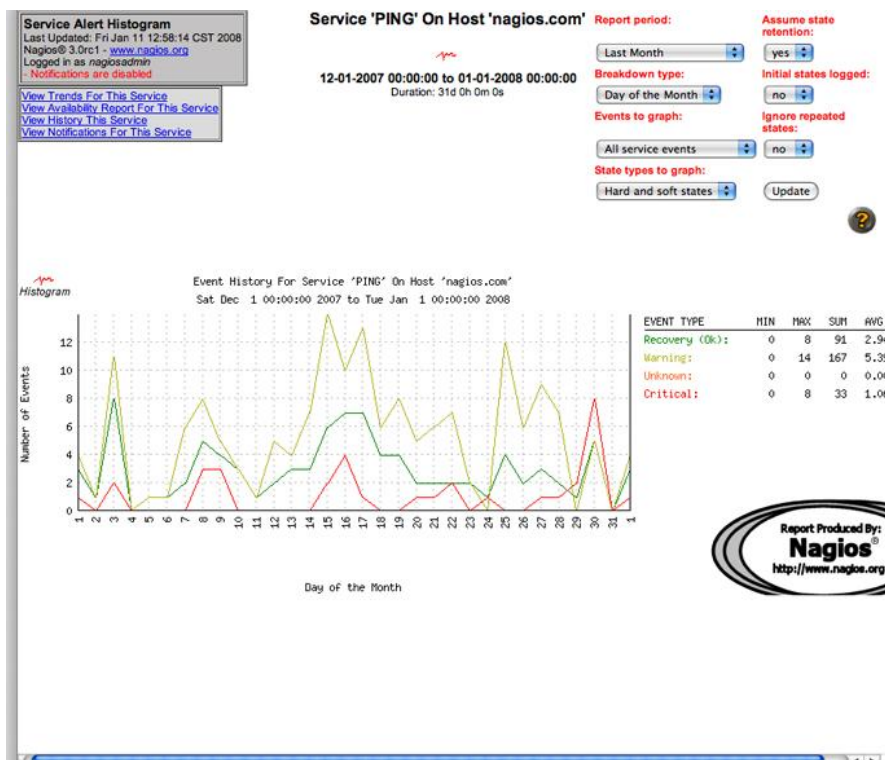
4.27 Hostgroup Availability Report



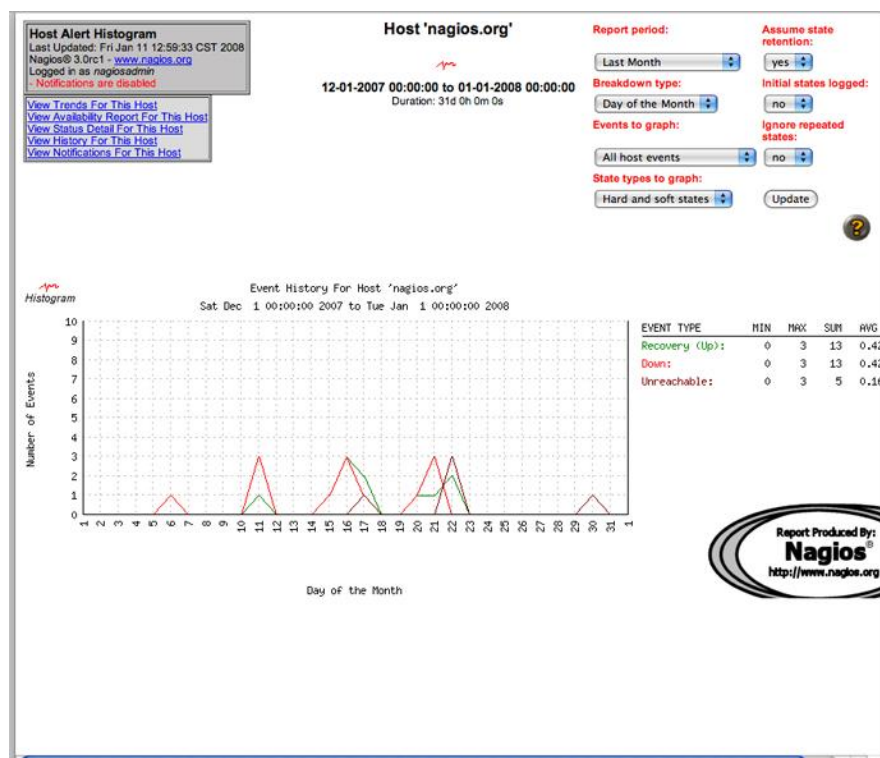
4.28 Service Availability Report



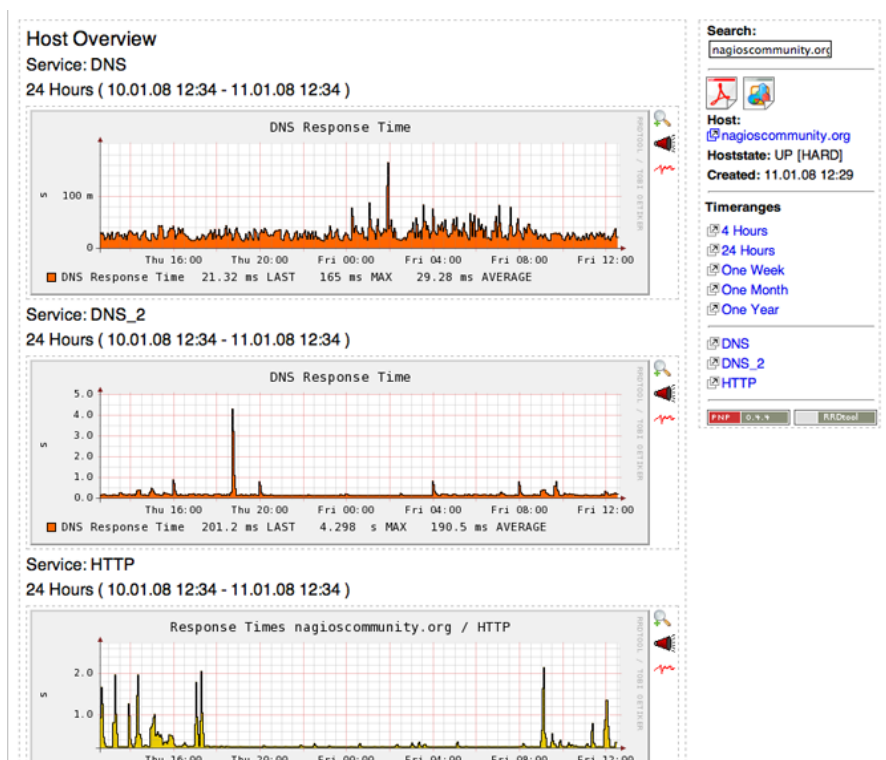
4.29 Service Alert Histogram



4.30 Host Alert Histogram



4.31 PNP Addon Graphs



4.32 WAP Interface



5 其它开源监控软件



5.1 Cacti

Cacti 在英文中的意思是仙人掌的意思，Cacti 是一套基于 PHP,MySQL,SNMP 及 RRDTool 开发的网络流量监测图形分析工具。它通过 snmpget 来获取数据，使用 RRDtool 绘画图形，而且你完全可以不需要了解 RRDtool 复杂的参数。它提供了非常强大的数据和用户管理功能，可以指定每一个用户能查看树状结构、host 以及任何一张图，还可以与 LDAP 结合进行用户验证，同时也能自己增加模板，功能非常强大完善。

5.2 Zabbix

zabbix 是一个基于 WEB 界面的提供分布式系统监视以及网络监视功能的企业级的开源解决方案。zabbix 能监视各种网络参数，保证服务器系统的安全运营；并提供柔软的通知机制以让系统管理员快速定位/解决存在的各种问题。zabbix 由 2 部分构成，zabbix server 与可选组件 zabbix agent。zabbix server 可以通过 SNMP，zabbix agent，ping，端口监视等方法提供对远程服务器/网络状态的监视，数据收集等功能，它可以运行在 Linux, Solaris, HP-UX, AIX, Free BSD, Open BSD, OS X 等平台之上。zabbix agent 需要安装在被监视的目标服务器上，它主要完成对硬件信息或与操作系统有关的内存，CPU 等信息的收集。zabbix agent 可以运行在 Linux ,Solaris, HP-UX, AIX, Free BSD, Open BSD, OS X, Tru64/OSF1, Windows NT4.0, Windows 2000/2003/XP/Vista)等系统之上。

5.3 Zoneminder

ZoneMinder 的作者是因為家中的車庫被竊，因而產生設計監控保全的念頭。

ZoneMinder 使用了 Linux Server,PHP,MySQL 加上幾支攝影機，就可以使用 web 介面監控重要場所。當異常事件發生時，你就可以收到 e-mail 或簡訊通知。

5.4 MRTG

MRTG (Multi Router Traffic Grapher) 是一套可用来绘出网络流量图的软件，由瑞士奥尔滕的 Tobias Oetiker 与 Dave Rand 所开发，此软件以 GPL 授权。

5.5 Tsar

Tsar 是淘宝的采集工具，主要用来收集服务器的系统信息（如 cpu，io，mem，tcp 等）以及应用数据（如 squid haproxy nginx 等），tsar 支持实时查看和历史查看，方便了解应用和服务器的信息！

它类似于 sar，能监控和收集服务器和关键应用的信息，支持实时终端显示和集中式数据库存储查询，还能向 Nagios 发送报警信息。Tsar 模块化的设计利于通过开发新模块来扩展新的功能，非常方便。

5.6 HawtIO

Hawt IO 是一个新的可插入式 HTML5 面板，设计用来监控 ActiveMQ, Camel, Karaf, Fuse Fabric, Tomcat 和其他系统。可通过其提供的 [一堆插件](#) 提供额外的监控。

5.7 Countly

Countly 是一个实时的、开源的移动分析应用，通过收集来自手机的数据，并将这些数据通过可视化效果展示出来以分析移动应用的使用和最终用户的行为。一旦你打开该程序的面板，你会发现数据的监控是那么的简单。



Countly 提供了 Android 和 iOS 两种版本的开发包以及基于 Node.js 开发的服务器模块。

5.8 Ramona

Ramona 是一个库或者是一个组件使得应用开发者、监控者可以方便构建用来管理应用的命令行接口。其最主要的用户是确保应用保持运行状态，一旦崩溃便自动重启应用、监控日志和进程输出，并在出错时发送邮件提醒给管理员。*Ramona* 并非 *UNIX* *init* 进程的替代品（也不是 *systemd* 或者是 *upstart* 的），它使得应用程序可以与这些系统进行方便的交互支持的平台包括： *UNIXes* (*Linux*, ...), *BSD* derivatives (*Mac OSX*, *FreeBSD*, ...) and *Windows*。该项目特别使用用于企业级大规模应用，同时也提供基于 *Web* 的监控界面。

5.9 Zipkin

Zipkin 是 *Twitter* 的一个开源项目，允许开发者收集 *Twitter* 各个服务上的监控数据，并提供查询接口。

5.10 Collectd

collectd 是一个守护(daemon)进程，用来收集系统性能和提供各种存储方式来存储不同值的机制。比如以 *RRD* 文件形式。当系统运行和存储信息的时候，*Collectd* 会周期性统计系统的相关统计信息。那些信息可以用来找到当前系统性能瓶颈。（如作为性能分析 *performance analysis*）和预测系统未来的 *load*（如能力部署 *capacity planning*）。如果你需要美观的图形来显示您的数据，并且已经厌烦了内部解决方案，恭喜您，你找到了正确的地方。

6 资源

1、Nagios 官网

<http://www.nagios.org/>

2、开源年中国

<http://www.oschina.net/p/nagios/>

3、安装配置参考

<http://www.cnblogs.com/shanyou/archive/2012/08/07/2627219.html>

4、与 *iTop* 集成

[https://wiki.openitop.org/doku.php?id=integrating_itop_with_nagios&s\[\]=nagios](https://wiki.openitop.org/doku.php?id=integrating_itop_with_nagios&s[]=nagios)