

Icinga2

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¿Qué es icinga2?

- **Icinga** es un fork de **Nagios** creado en el año 2009. Es un sistema de monitorización de infraestructuras que añade más funcionalidades a Nagios.
- Desarrollado en lenguaje C.
- Versión actual es Icinga2.
- Licencia GNU GPL (Software Libre).

Mejoras respecto a Nagios:

- Moderna interfaz web.
- Incorporación de conectores adicionales para bases de datos (**MySQL/MariaDB, Oracle y PostgreSQL**).
- REST API.
- Compatibilidad con Nagios y sus plugins.
- Al ser software libre y disponer de una REST API, ha permitido que Icinga2 reciba mejoras de manera continua gracias a la comunidad y a las peticiones de los usuarios.

Características:

- Monitorización de *componentes de red* (switches, routers, etc.)
- Monitorización de *servicios de red* (SMTP, POP3, HTTP, ping, etc.)
- Notificación a usuarios por correo electrónico
- Nivel de alertas (**Email, SMS, llamada telefónica, etc.**)
- Opción de utilizar la interfaz clásica o la actualizada

Icinga Classic UI

The screenshot displays the Icinga Classic UI interface. At the top, a status bar shows overall system health: 26 UP, 0 DOWN, 0 UNREACHABLE, 0 PENDING, 4/30 TOTAL. Below this, a more detailed status bar shows 32 OK, 0 WARNING, 2 CRITICAL, 0 UNKNOWN, 0 PENDING, 10/45 TOTAL. The left sidebar contains navigation links for General, Status, Problems, System, and Reporting. The main content area is titled 'Current Network Status' and 'Host Status Details For All Hosts'. It features a table with columns: Host, Status, Last Check, Duration, and Attempt. The table lists various hosts, all of which are in the 'UP' status. On the right side, there is a 'Select command' menu with various actions like 'Add a Comment to Checked Host(s)', 'Disable Active Checks Of Checked Host(s)', 'Enable Active Checks Of Checked Host(s)', etc. The bottom of the interface shows a 'View Config' link and a 'Run script "void(0);"' button.

Icinga: classic.demo.icinga.org

26 UP 0/0/0 DOWN 0/0/0 UNREACHABLE 0 PENDING 4/30 TOTAL
32 OK 0/0/0 WARNING 2 CRITICAL 0/0/0 UNKNOWN 0 PENDING 10/45 TOTAL

General
Home
Documentation
Search:

Status
Tactical Overview
Host Detail
Service Detail
Hostgroup Overview
Hostgroup Summary
Servicegroup Overview
Servicegroup Summary
Status Map

Problems
Service Problems
Unhandled Services
Host Problems
Unhandled Hosts
All Unhandled Problems
Network Outages

System
Comments
Downtime
Process Info
Performance Info
Scheduling Queue

Reporting
Trends
Availability
Alert Histogram
Alert History
Alert Summary
Notifications
Event Log

Configuration
View Config
Run script "void(0);"

Current Network Status
Last Updated: Thu May 31 08:16:10 CEST 2012 - Update in 57 seconds (pause)
Icinga 1.7.0 - Logged in as guest

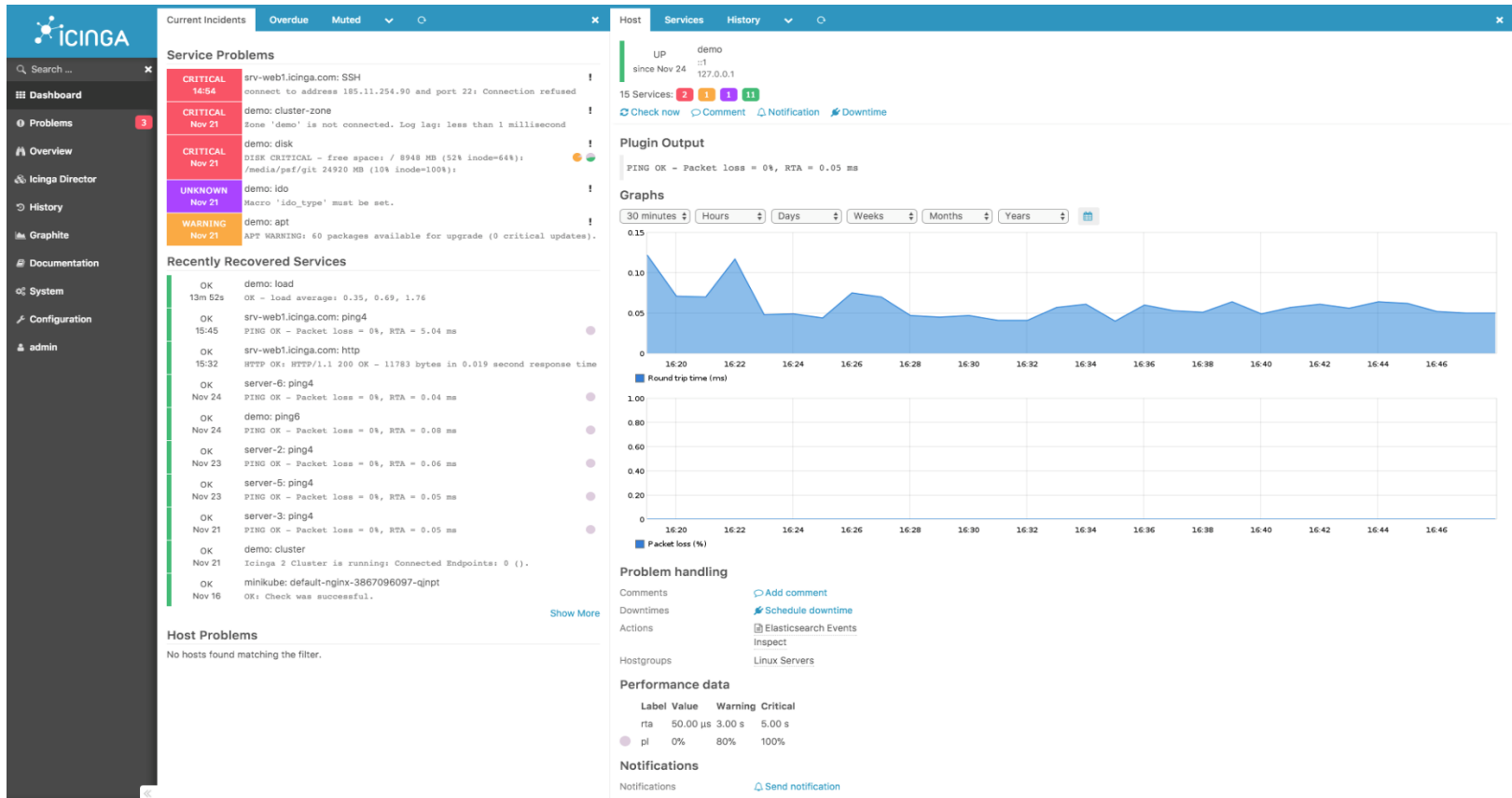
View History For All Hosts
View Notifications For All Hosts
View Host AND Services For All Hosts
View Service Status Detail For All Hosts

Host Status Details For All Hosts

Host	Status	Last Check	Duration	Attempt
c1-db1	UP	05-31-2012 08:12:45	226d 16h 8m 0s	1/10
c1-db2	UP	05-31-2012 08:12:45	106d 10h 15m 55s	1/10
c1-fw	UP	05-31-2012 08:12:55	226d 16h 4m 10s	1/10
c1-http	UP	05-31-2012 08:13:05	218d 20h 49m 35s	1/10
c1-mail1	UP	05-31-2012 08:13:15	108d 19h 10m 25s	1/10
c1-mail2	UP	05-31-2012 08:13:25	217d 0h 34m 20s	1/10
c1-nagios	UP	05-31-2012 08:13:35	218d 20h 50m 5s	1/10
c1-router	UP	05-31-2012 08:13:45	65d 21h 2m 15s	1/10
c1-switch	UP	05-31-2012 08:13:55	226d 16h 3m 50s	1/10
c1-tt1	UP	05-31-2012 08:14:05	162d 22h 22m 12s	1/10
c2-app-1	UP	05-31-2012 08:14:15	217d 0h 34m 20s	1/10
c2-dbsvr-1	UP	05-31-2012 08:14:25	217d 0h 34m 20s	1/10
c2-flo-1	UP	05-31-2012 08:14:35	217d 0h 34m 20s	1/10
c2-fw-1	UP	05-31-2012 08:14:45	217d 0h 34m 20s	1/10
c2-mail-1	UP	05-31-2012 08:14:55	217d 0h 34m 20s	1/10
c2-primsrvr-1	UP	05-31-2012 08:15:05	217d 0h 34m 20s	1/10
c2-proxy	UP	05-31-2012 08:15:15	217d 0h 34m 20s	1/10
c2-router-1	UP	05-31-2012 08:15:25	162d 22h 22m 52s	1/10
c2-switch-1	UP	05-31-2012 08:15:35	162d 22h 19m 42s	1/10

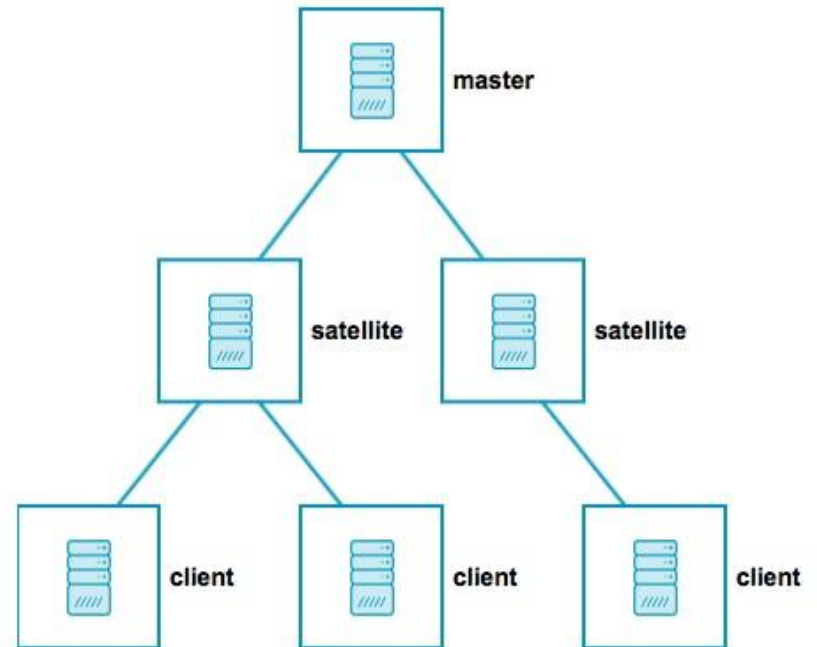
Select command
Add a Comment to Checked Host(s)
Disable Active Checks Of Checked Host(s)
Enable Active Checks Of Checked Host(s)
Re-schedule Next Host Check
Submit Passive Check Result For Checked Host(s)
Stop Accepting Passive Checks For Checked Host(s)
Start Accepting Passive Checks For Checked Host(s)
Stop Obsessing Over Checked Host(s)
Start Obsessing Over Checked Host(s)
Acknowledge Checked Host(s) Problem
Remove Problem Acknowledgement
Disable Notifications For Checked Host(s)
Enable Notifications For Checked Host(s)
Send Custom Notification
Delay Next Host Notification
Schedule Downtime For Checked Host(s)
Schedule Downtime For Checked Host(s) and All Services
Disable Notifications For All Services On Checked Host(s)
Enable Notifications For All Services On Checked Host(s)
Schedule A Check Of All Services On Checked Host(s)
Disable Checks Of All Services On Checked Host(s)
Enable Checks Of All Services On Checked Host(s)
Disable Event Handler For Checked Host(s)
Enable Event Handler For Checked Host(s)
Disable Flap Detection For Checked Host(s)
Enable Flap Detection For Checked Host(s)
check_alive.phpsh: OK (2-switch-1 is on)

Icinga Web



Funcionamiento

- **Maestro:**
 - **Nodo raíz.**
- **Satélite:**
 - **Nodo subordinado de maestro. (Opcional)**
- **Cliente:**
 - **Nodos que van a ser monitorizados.**



Configuración básica

- Maestro:
 - Servicio icinga2
 - Base de datos SQL
 - Interfaz web
 - Datos de los clientes
 - Notificaciones
- Cliente:
 - No necesita configuración

Demostración

- Maestro
 - 10.1.1.165
- Cliente 1
 - SSH
 - 10.1.1.13
- Cliente 2
 - WEB
 - 10.1.1.124
- Cliente 3
 - FTP
 - 10.1.1.19

