

CUBIT
open source for enterprise
linuxwochen

Nagios

OpenSource
Network Management

Open Source based Network Management

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The screenshot displays the Nagios monitoring interface. At the top, the CUBIT logo is visible with the tagline 'open source for enterprise'. Below it, the text 'linuxwochen' is shown. The main part of the interface features a network diagram with various nodes and connections. Nodes include 'dcube2', 'cube:Up', 'bigla:Up', 'i-cubit', 'bit.at', 'cube1-lan', 'cube1-kdntrans', 'Nagios', 'Nagios Process', 'cube1-inet', 'gd1x02', and 'adown.net'. A large question mark is placed over the network diagram. At the bottom, there is a performance graph showing a blue line fluctuating over time, with a red vertical line indicating a specific point in time. The x-axis is labeled with '12:00', '18:00', and '00:00'. The text 'OpenSource Network Management' is at the bottom left.

Ziele

- Information wenn Dienste ausfallen
- über Systemstatus informieren und protokollieren (Verfügbarkeit)
- langfristige Statistiken als Grundlage für Entscheidungen (Aufrüstung bei Leistungsbedarf)
- Überprüfung von externen Dienstleistern (ISP, Telekom, Outsourcer) und deren SLA
- zentrale Informationsstelle
- automatisiertes Reagieren auf Probleme
- automatisierte Behebung
- Umbrella Management



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Strategien

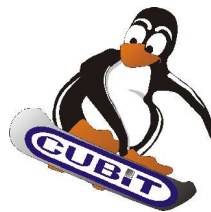
- Blackbox Monitoring -- von außen zugreifen wie ein Anwender
- Whitebox Monitoring -- von innen alle Komponenten einzeln funktionsprüfen
- Schwellwert Monitoring: Überwachen von Messwerten
- richtige Eskalation der Notifizierung
- ggf. automatic response („self-repairing“)
- Compound Checks
- Statistiken: Correlation, SLA-Auswertung
- Umbrella-System
- Monitoring-Netzwerk



The screenshot displays the Nagios monitoring interface. At the top, the CUBIT logo is visible with the tagline 'open source for enterprise'. Below it, the text 'linuxwochen' is shown in a stylized font. The main area features a network diagram with various nodes and connections. Nodes include 'dcube2', 'cube:Up', 'bigla:Up', 'i-cubit', 'bit.at', 'cube1-1an', 'cube1-kdntrans', 'Nagios', 'Nagios Process', 'cube1-inet', 'gd1x02', and 'adown.net'. A large question mark is placed over the network diagram. At the bottom, a performance graph shows a blue line fluctuating over time, with a red vertical line indicating a specific point in time. The x-axis is labeled with '12:00', '18:00', and '00:00'. The text 'OpenSource Network Management' is at the bottom left.

Strategien – Blackbox

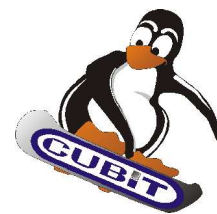
- Blackbox Monitoring -- von außen zugreifen wie ein Anwender
- für Standard-Protokolle mit vorhandenen Plugins für FTP,HTTP,NFS, SMB (Samba/CIFS), Citrix,DNS und viele andere
- für eigene Anwendungen durchaus auch automatische Überprüfung der Business-Logik
- zB: Webshop: automat. Einkaufen, erzeugen eines speziell markierten Auftrages, der nicht weiterverarbeitet wird



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Strategien – Messwerte

- laufende Überwachung von Leistungsdaten
- CPU, Netz, Plattenauslastung
- Überwachen von Tuningmaßnahmen, wie z.B. Cache-Hit-Ratio
- Alarm bei nicht optimaler Leistung
- Alarm bei bedrohlichem Zustand (Disk Full 90%)
- Alarm bei Aufrüstungsbedarf (80% Leitungsauslastung im Tagesmittel)



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Strategien – Whitebox

- Alle Teilkomponenten der Anwendung getrennt prüfen
- Notwendige Datenbanken, Anwendungen, Netzwerkequipment, Frontendserver, Netzwerke, Subsysteme,... ständig jeden einzeln prüfen
- Notwendig auch zur Problemlokalisierung
- liefert aber nicht gleiche Sicht wie Anwender sieht
- System- nicht Lösungsbezogen

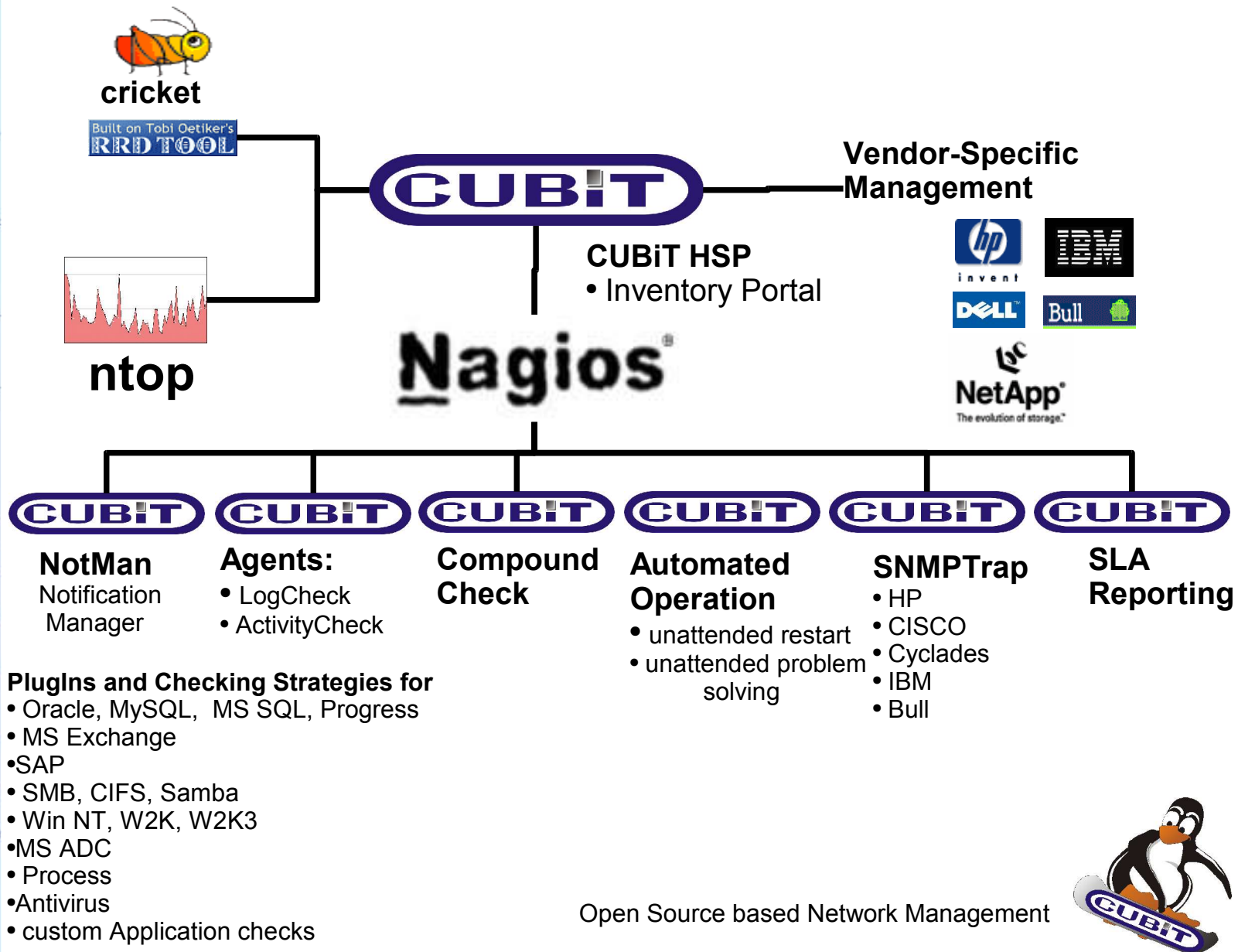


open source for enterprise
linuxwochen

Nagios

OpenSource Network Management

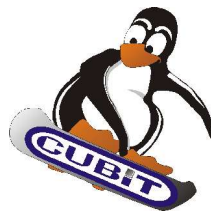
Strategien – Positionierung



The screenshot displays the Nagios web interface. At the top, the CUBIT logo is visible with the tagline 'open source for enterprise'. Below it, the 'linuxwochen' logo is present. The main area shows a network diagram with various nodes and their status (e.g., 'Up'). A central node is marked with a question mark. The Nagios logo is prominently displayed in the middle. At the bottom, there is a performance graph showing a fluctuating blue line over a 24-hour period, with time markers at 12:00, 18:00, and 00:00. The text 'OpenSource Network Management' is at the bottom left.

Komponenten

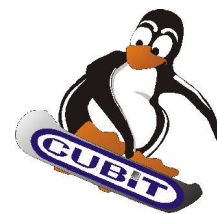
- Nagios
- Cricket
- Integration von lokal laufenden Agenten: logcheck, activitycheck
- Integration von Syslog, SMTP, und anderen Diensten mit NSCA
- Einbindung SNMP Traps: trapreceiver
- Compound Checks
- HSP Portalsystem
- Alerting via SMS, Email, ICQ über Nagios
- ntop und rrd für Statistikdaten



The screenshot displays the Nagios 2.0 web interface. At the top left is the CUBIT logo with the tagline 'open source for enterprise'. Below it is the 'linuxwochen' logo. The main area shows a network diagram with various hosts and services, including 'dcube2', 'cube:Up', 'bigla:Up', 'i-cubit', 'bit.at', 'cube1-lan', 'cube1-kdntrans', 'Nagios', 'Nagios Process', 'cube1-inet', and 'gd1x02'. A large question mark is visible in the center of the diagram. At the bottom, there is a performance graph with a blue line showing fluctuations over time, with labels for 12:00, 18:00, and 00:00. The text 'OpenSource Network Management' is at the bottom left.

Nagios 2.0

- Caching der CGI Objekte
- Servicegruppen
- Regexp
- schnellere Retention Data, Comments und Metadaten
- Export Interface für Export in NAMED PIPE (für Echtzeit Datenbank Interface)
- Höhere Leistung
- Host Checks auch passiv
- Automatische Wartungsfenster durch Abhängigkeiten

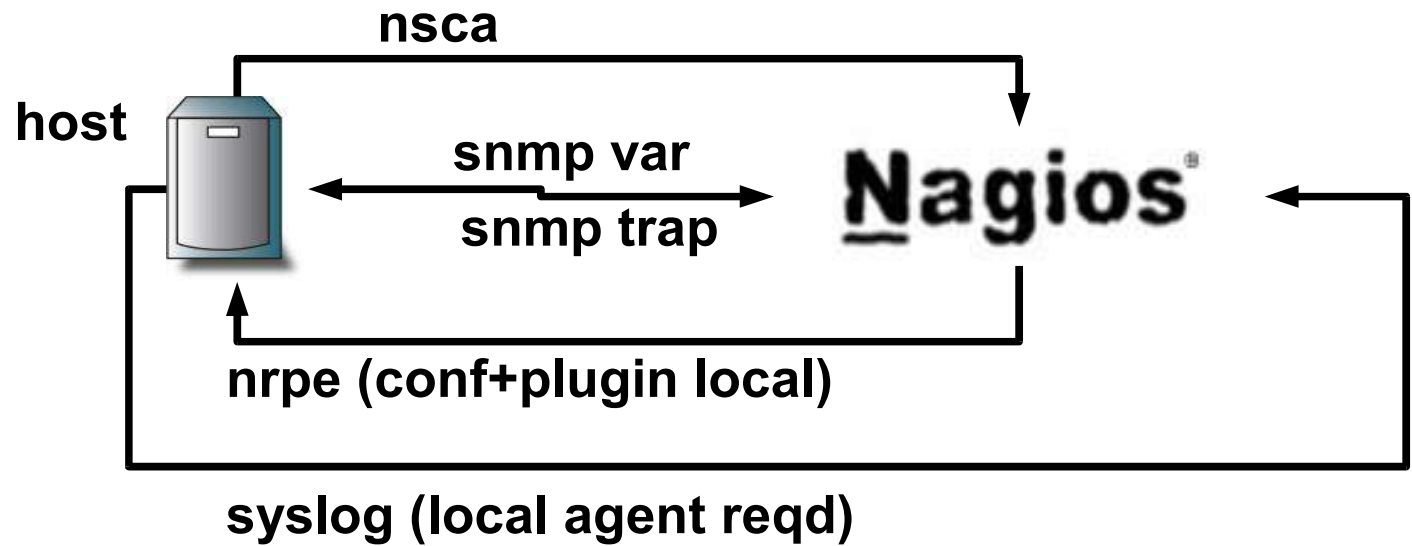




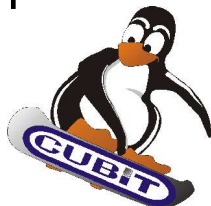


**OpenSource
Network Management**

Komponenten: Nagios (2) Schnittstellen



- NSCA: Schnittstelle mit der anderes Programm einen Passive Alert ins Nagios zur Weiterverarbeitung senden kann. Wird extern angestossen.
- NRPE: Schnittstelle, mit der Nagios Plugins (zur Feststellung der Systemverfügbarkeit) auf einem entfernten System gestartet werden können. Die Ausgabe und Prüfung erfolgt zentral im Nagios Core; wird von Nagios aus gestartet



The screenshot displays the Nagios web interface. At the top left, there is a logo for 'CUBIT' with the tagline 'open source for enterprise' and 'linuxwochen'. The main area shows a network diagram with various nodes and their status (e.g., 'Up'). Nodes include 'dcube2', 'cube:Up', 'bigla:Up', 'i-cubit', 'bit.at', 'cube1-lan', 'cube1-kdntrans', 'Nagios', 'Nagios Process', 'cube1-inet', 'gd1x02', and 'adown.net'. A large 'Nagios' logo is prominently displayed in the center. Below the diagram is a performance graph showing a blue line fluctuating over time, with a red vertical line indicating a specific point in time. The x-axis of the graph is labeled with '12:00', '18:00', and '00:00'. At the bottom left, the text 'OpenSource Network Management' is visible.

Komponenten: Nagios (2)

Schnittstellen (2)

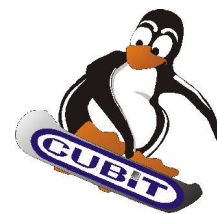
- SNMP Variables
- SNMP Trap
- SMTP
- Windows Eventlog
- Syslog
- SSH
- remote intelligence
- CRICKET
- NotMan



The screenshot displays the Nagios monitoring interface. At the top left, the CUBIT logo is visible with the tagline 'open source for enterprise'. Below it, the 'linuxwochen' logo is present. The main area shows a network diagram with several hosts connected to a central Nagios process. Hosts include 'dcube2', 'cube:Up', 'bigla:Up', 'i-cubit', 'bit.at', 'cube1-1an', 'cube1-kdntrans', 'cube1-inet', 'gd1x02', 'server', 'adow.net', and 'Nagios Process'. A large question mark is overlaid on the diagram. At the bottom, a performance graph shows a blue line fluctuating over time, with a red vertical line indicating a specific point in time. The x-axis is labeled with '12:00', '18:00', and '00:00'. The text 'OpenSource Network Management' is at the bottom left.

Nagios Features

- Nagios Core Process zentral
- führt regelmäßig Plugins aus und wertet Ergebnis aus
- empfängt passive Alerts
- Status-Änderungen lösen Events aus
- Events können gehandelt werden (default ist Notify)
- Notifizierungen werden wiederholt solange sie lt. Konfiguration wiederholt werden sollen
- Eskalation bei Notifizierung möglich



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Nagios PlugIn Strategy

- führt regelmäßig Plugins aus und wertet Ergebnis aus
- Plugin bewertet Situation
- Nagios routet nur PlugIn Output, keine Umformung
- -> PlugIn muss Fähigkeit haben Situationen zu bewerten!
- kaum eine Installation ohne Custom-made PlugIn
- PlugIn-Entwicklung nicht Sonderfall sondern Standard
- PlugIn entspricht Parametrisierung anderer Systeme
- keine Angst vor PlugIns!



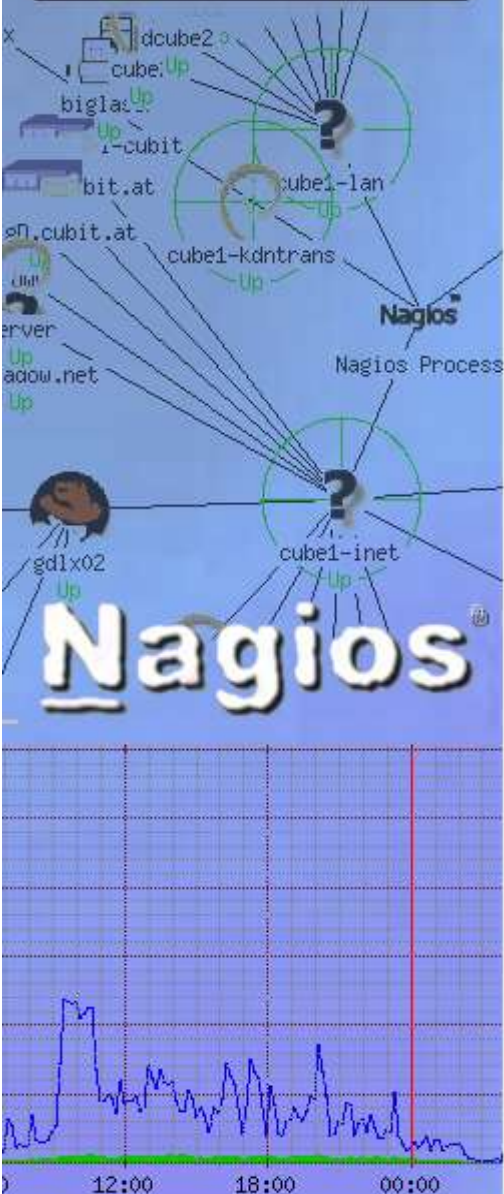


The image shows a screenshot of the Nagios Cricket monitoring interface. At the top left, there is a logo for 'CUBIT' with the tagline 'open source for enterprise' and 'linuxwochen'. Below this is a network diagram with various nodes and connections, including labels like 'dcube2', 'cube:Up', 'bigla:Up', 'i-cubit', 'bit.at', 'cube1-lan', 'cube1-kdntrans', 'Nagios', 'Nagios Process', 'cube1-inet', and 'gd1x02'. A large 'Nagios' logo is prominently displayed in the center. At the bottom, there is a line graph showing a fluctuating blue line over a time period from 12:00 to 00:00. The text 'OpenSource Network Management' is visible at the bottom left of the screenshot.

Komponenten: Cricket

- altbekannter Vorgänger: MRTG
- Trennung Datenbank RRDTool und Präsentation (Cricket)
- entwickelt von Tobias Oetiker
- Speichern und Anzeigen von Messwerten; je weiter zurückliegend umso geringere Auflösung
- Messwernerfassung per SNMP oder anders
- Bsp Apache server-status
- Echtzeiterfassung notwendig!
- dynamische Schwellwert - Monitore





Nagios

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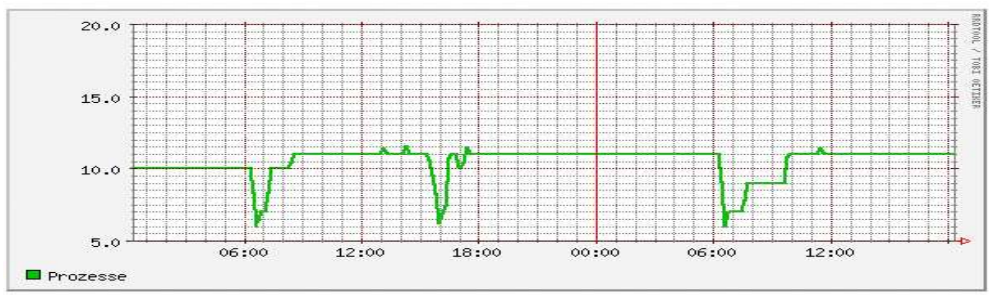
Komponenten: Cricket



Graphs for Proc-Counter (apache-ssl) (/server/cube1/proc-apache-ssl)

<p>Summary</p> <p>Values at last update: Prozesse (for the day): Cur: 11.00 Avg: 10.63 Max: 11.79 Last updated at Thu Apr 24 18:16:06 2003</p>	<p><i>Time Ranges:</i></p> <p>[Daily] Weekly Monthly Yearly Short-Term Long-Term All</p>
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Daily graph

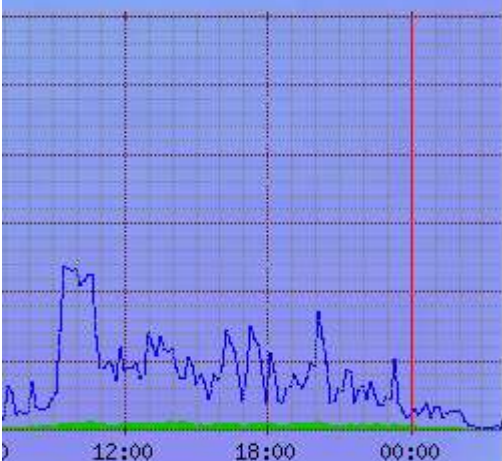
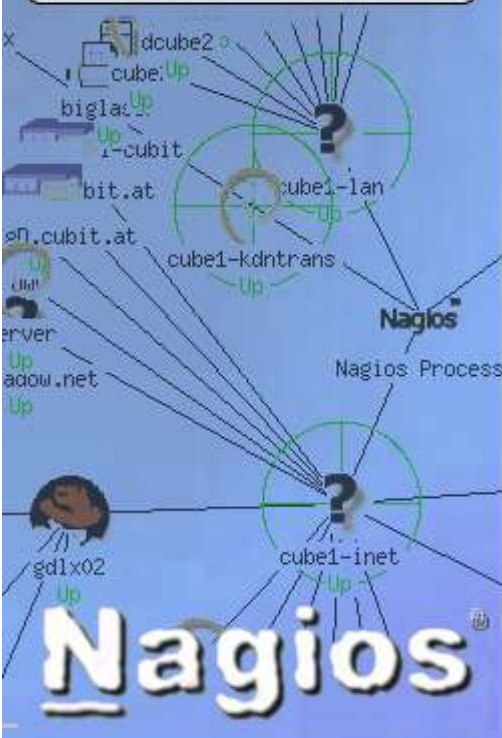


Cricket
Version 1.0.3

Bei Fragen zu den Grafiken kontaktieren Sie bitte support@cubit.at

Built on **Tobi Oetiker's RRD TOOL**



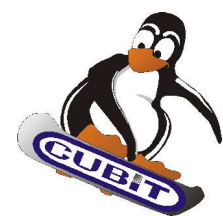
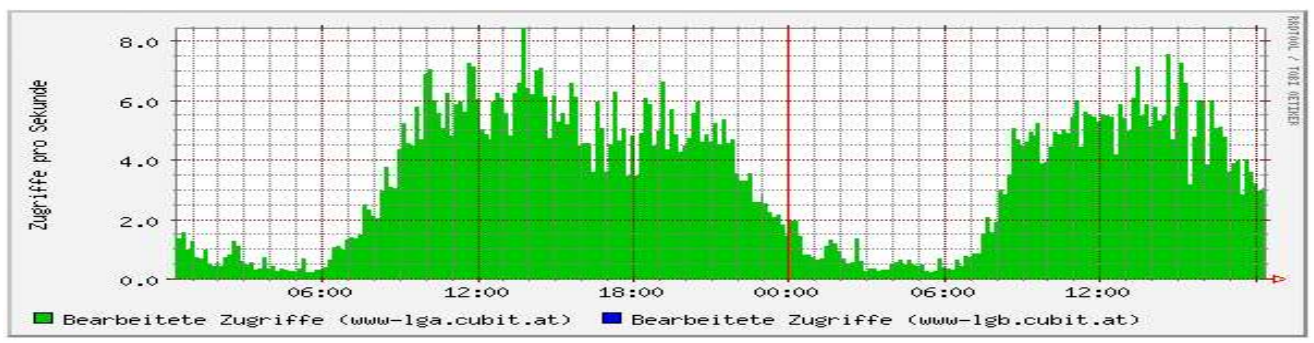


Komponenten: Cricket

Graphs for Overlay (/webserver/cubit-cluster)

<p>Summary</p> <p>Values at last update for www-lga.cubit.at: Bearbeitete Zugriffe (for the day): Cur: 3.01 Zugriffe/s Avg: 3.32 Zugriffe/s Max: 8.66 Zugriffe/s [?] Last updated at Thu Apr 24 18:17:08 2003</p> <p>Values at last update for www-lgb.cubit.at: Bearbeitete Zugriffe (for the day): Cur: 0.09 Zugriffe/s Avg: 0.00 Zugriffe/s Max: 0.00 Zugriffe/s [?] Last updated at Thu Apr 24 18:17:08 2003</p>	<p><i>Time Ranges:</i></p> <p>[Daily] Weekly Monthly Yearly Short-Term Long-Term All</p>
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Daily graph





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linuxwochen



Nagios

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Komponenten: Nagios Plugins

- vielfältig im Internet vorhanden
- in definierten Zeitabständen vom Nagios Core Prozess aufgerufen
- laufen auf dem Nagios Rechner oder mittels NRPE verteilt
- Returnwert im Nagios verarbeitet:
4 Stati: OK, Warning, Critical, Unknown
- viele Standardprotokolle (Ftp,nfs, http,...) bereits abgedeckt
- neue Plugins sehr leicht erstellbar
- Migration von MON-Scripts
z.B. einfach möglich
- Angebot: <http://www.cubit.at/?nav=produkte>





open source for enterprise

linuxwochen

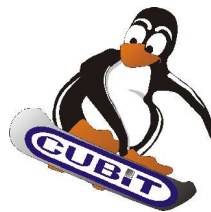


Nagios

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Check von Windows

- NSClient (System und Anwendungen), Cricket-WMI, SNMP
- NagEvlog
- NTSyslog
- NRPE-NT
- AD Replication Check
- Registry-Lists
- Rollouts auf Windows
- ActiveState Perl, MS-MSFU
- CMD Restarts, SSH for Windows



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Komponenten: SNMP (1)

- große Unterstützung von Herstellern von Geräten
- Server, Router, Switch, jede Hardware kann heute SNMP Variablen ausgeben und Traps senden
- Abfrage von SNMP-Variablen wie Interface-Traffic, Systembelastung, Plattenauslastung, Temperatur,...
- Einleitung in Cricket
- Bei Überschreitung von Schwellwerten Alarm via NSCA in Nagios



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Komponenten: Trapreceiver

- SNMP Trap Support:
- Geräte können bei Fehlern sog. Traps als Alarm generieren
- Dieser Event wird von außen ins Nagios eingeleitet
- Definition Linux Server als Trap Target in den Geräten
- trapreceiver empfängt Trap und leitet ihn via NSCA ins NAGIOS weiter
- einfachste Installation, im Gerät nur IP-Addr. des Trapreceiver-Hosts eingeben



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Komponenten: Compung Checks

- Erheben korrelierter Systemzustände (in Beziehung setzen) durch Aufruf mehrerer Plugins
- oder Auswertung aktueller Nagios-Stati
- Neu-Bewertung der verbundenen (korrelierten) Situation in Plugin-Logik
- Definition neuer Zustand für Situation
- Rückmeldung
- Beispiele
 - Cluster-Check für Web-Anwendungsarchitekturen
 - Cluster-Check für MS Transaction Server
 - beliebige weitere Punkte



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HSP Portalsystem

- Web-basiertes Portal (Apache/MySQL)
- verlinkt zu nachgelagerten Systemen
 - Vendor-SM, Ntop, Cricket, SSH, VNC,...
- Wartungs- und Zusatzinformationen
 - Wartungsverträge
 - Kontakte
 - Logbücher
- Hardware Profile Inventory
 - MAC-Adressen, CPU, Memory, Disks

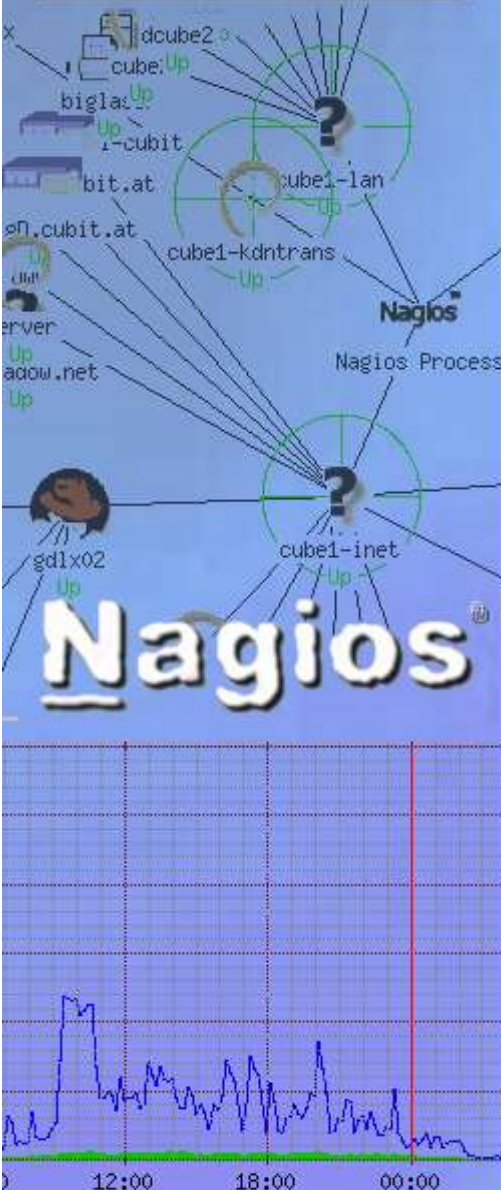




open source for enterprise



linuxwochen




Nagios

Nagios Process

gd1x02

cube1-inet



Nagios

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HSP Portalsystem 2

CPU-Informationen					
vendor_id	cpu_family	model_name	cpu_mhz	cache_kb	Optionen
GenuineIntel	15	Intel(R) Xeon(TM) CPU 2.40GHz	2399.397	512 KB	

Netzwerk-Informationen			
interface	inet_addr	mac_addr	Optionen
eth1	172.23.64.68	00:0B:CD:37:4B:0E	
eth1	172.23.64.66	00:0B:CD:37:4B:0E	
eth3	172.24.128.66	00:05:5D:7D:2B:4D	
eth0	10.7.0.1	00:0B:CD:37:4B:77	

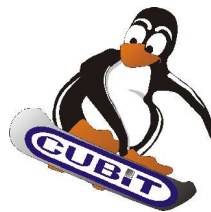
Festplatten			
filesystem	size	mounted on	Optionen
/dev/cciss/c0d0p7	6015880	/home	
/dev/cciss/c0d0p1	197546	/boot	
/dev/cciss/c0d0p3	1521984	/	
/dev/cciss/c0d0p2	5039856	/usr	
/dev/cciss/c0d0p5	20159916	/var	
/dev/sda1	10080488	/var/lib/mysql	



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Notification Manager „NotMan(n)“

- grafisches Abonnieren von Alarmen
- Aussendung in Echtzeit an alle abonnierten Empfänger
- Kriterien: Uhrzeit, Medium (SMS, Email, Voice), Wochentag, Feiertag, Alarmklasse, Systemgruppen
- freundlicher Assisten (auch für nicht-IT User)
- Addon Tool: keine Rekonfiguration von Nagios notwendig
- kein Restart von Nagios bei Änderungen notwendig
- MySQL basierend
- hohe Leistung, hoher Durchsatz
- geplant: Zeitzonen-Routing
Voice IVR



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Event-Handling

- un-attended Operation
- automat. Reagieren auf Probleme
- Reduktion Service-Calls und Alarme um typisch 70%
- automat. Einhalten von Service-Profilen
- Event-Routing mit Notification Manager
- GUI zum Routen der Events
- Vertretungsfunktion, Schablonen, Berechtigungen



The screenshot displays the Nagios monitoring interface. At the top, the CUBIT logo is visible with the text 'open source for enterprise' and 'linuxwochen'. Below this, a network topology diagram shows various nodes such as 'cube2', 'cube:Up', 'bigla:Up', 'i-cubit', 'bit.at', 'cube1-lan', 'cube1-kdntrans', 'cube1-inet', and 'gd1x02'. A central node is marked with a question mark. The Nagios logo is prominently displayed in the middle. At the bottom, a performance graph shows a blue line fluctuating over time, with a red vertical line indicating a specific point. The x-axis is labeled with '12:00', '18:00', and '00:00'. The text 'OpenSource Network Management' is at the bottom left.

ntop

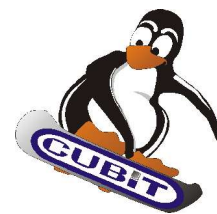
- Open Source Tool: Echtzeit Netzwerkskan
- Statistiken und Web-Output
- rrd Output
- NetFlow/sFlow Input
- kann in Standorten mitinstalliert werden
- kann im Core dediziert laufen
- Achtung: Tuning der Tabellen für Performance und Speichermanagement notwendig
- Sonst potentiell Systemabsturz



The screenshot displays the Nagios monitoring interface. At the top, the CUBIT logo is visible with the tagline 'open source for enterprise'. Below it, the text 'linuxwochen' is shown. The main area features a network diagram with nodes such as 'cube2', 'cube:Up', 'bigla:Up', 'i-cubit', 'bit.at', 'cube1-lan', 'cube1-kdntrans', 'Nagios', 'Nagios Process', 'cube1-inet', and 'gd1x02'. A large question mark is overlaid on the diagram. At the bottom, a performance graph shows a blue line fluctuating over time, with a red vertical line indicating a specific point. The text 'OpenSource Network Management' is at the bottom left.

Specials: Mix It Right

- besondere Betriebszustände mit eigenen Lösungen ansteuern
- SNMP Auslesen von Switchdaten, Netzwerkstrukturen, Ports
- Master-Checksysteme implementieren für komplexe Abbildungen
- durchaus auch eigene Clients für Protokolle entwickeln
- Diagnosesystem in Multi-Tier Anwendungen integrieren -- Selbstdiagnose die von Nagios-Plugin geparsed wird





Nagios

OpenSource
Network Management

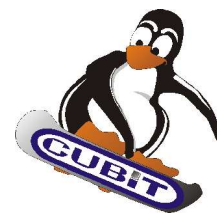
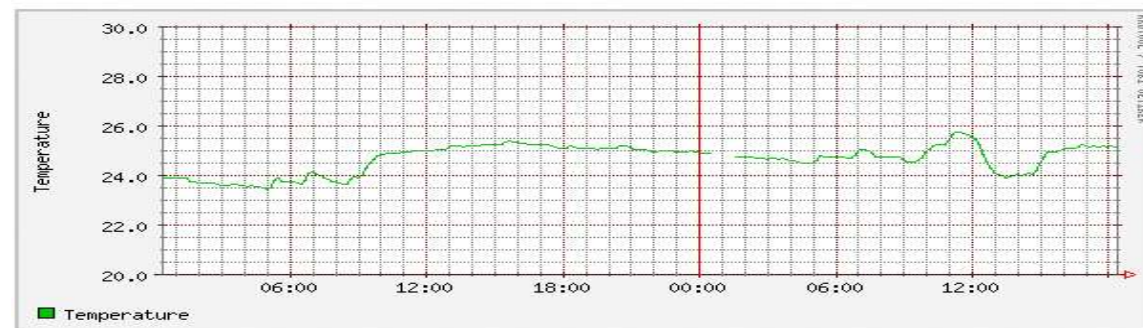
Specials: Temperatur



Graphs for Rack001 (/temp/rack001)

<p>Summary</p> <p>Values at last update: Temperature (for the day): Cur: 25.15 °C Avg: 24.87 °C Max: 25.75 °C [?]</p> <p>Last updated at Thu Apr 24 18:17:05 2003</p>	<p><i>Time Ranges:</i></p> <p>[Daily] Weekly Monthly Yearly Short-Term Long-Term All</p>
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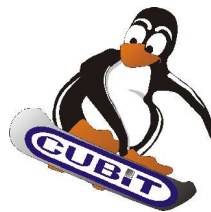
Daily graph



The screenshot displays the Nagios monitoring interface. At the top, the CUBIT logo is visible with the tagline 'open source for enterprise'. Below it, the text 'linuxwochen' is shown. The main area features a network diagram with several hosts, including 'dcube2', 'cube:Up', 'bigla:Up', 'i-cubit', 'bit.at', 'cube1-lan', 'cube1-kdntrans', 'Nagios', 'Nagios Process', 'cube1-inet', 'gdix02', and 'adown.net'. A large question mark is overlaid on the diagram. At the bottom, a performance graph shows a blue line fluctuating over time, with a red vertical line indicating a specific point. The text 'OpenSource Network Management' is at the bottom left.

Specials: Mix It Right (2)

- Umsatz pro Minute von Shopsystemen: Kein Umsatz=Fehler (Heuristik!)
- Alarm bei Änderungen von Konfigurationsfiles -- Information wenn jemand Konfiguration ändert
- Direkte Einbindung von NSCA in Businesslogik -- eigene Anwendung spricht direkt mit Nagios Enterprise Konsole
- Antwortzeiten- und Ergebnisüberwachung
- Nagios leitet Alarme ggf. auch weiter -- an Nagios oder auch an BMC



The screenshot displays the Nagios monitoring interface. At the top, the CUBIT logo is visible with the tagline 'open source for enterprise' and 'linuxwochen'. Below this, a network diagram shows several hosts connected to a central Nagios server. Hosts include 'dcube2', 'cube:Up', 'bigla:Up', 'i-cubit', 'bit.at', 'cube1-lan', 'cube1-kdntrans', 'Nagios', 'Nagios Process', 'cube1-inet', 'gd1x02', and 'server'. A performance graph at the bottom shows a blue line fluctuating over time, with a red vertical line indicating the current time. The text 'OpenSource Network Management' is at the bottom left.

Vergleich kommerzielle Systeme

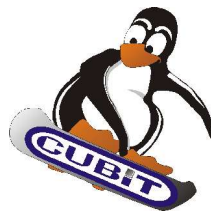
- komplex genug
- keine Hierarchie, ein-dimensionale Gruppenstruktur mit nur einer Ebene
- daher Namensgebung und Wildcards wichtig!
- variabel Konfigurierbar
- Aufwand bei gleichem Ergebnis konstant
- Anzahl überwachter Systeme ist kostenneutral
- Aufwand Implementierung evtl. komplizierter, wenig Support für exotische kommerzielle Systeme



The screenshot displays the Nagios monitoring interface. At the top, the CUBIT logo is visible with the tagline 'open source for enterprise'. Below it, the text 'linuxwochen' is shown in a stylized font. The main area features a network diagram with various nodes and connections. Nodes include 'dcube2', 'cube:Up', 'bigla:Up', 'i-cubit', 'bit.at', 'cube1-lan', 'cube1-kdntrans', 'Nagios', 'Nagios Process', 'cube1-inet', 'gd1x02', and 'adown.net'. A central node is marked with a question mark. At the bottom, a performance graph shows a blue line fluctuating over time, with a red vertical line indicating a specific point. The x-axis is labeled with '12:00', '18:00', and '00:00'. The text 'OpenSource Network Management' is at the bottom left.

Integration

- via HSP können Webtools eingebunden werden
- keine Ersatz für Management Tools (Switch Management, Server Management)
- zentrale Kommandozentrale
- Nagios Core Process als Information Hub
- Duale Information
- spezielle Systeme (Switch Management etc.) berichten an Nagios



The screenshot displays the Nagios monitoring interface. At the top, the CUBIT logo is visible with the tagline 'open source for enterprise'. Below it, the 'linuxwochen' logo is present. The main area shows a network diagram with various nodes and their status (e.g., 'Up'). Nodes include 'dcube2', 'cube:Up', 'bigla:Up', 'i-cubit', 'bit.at', 'cube1-lan', 'cube1-kdntrans', 'Nagios', 'Nagios Process', 'cube1-inet', and 'gd1x02'. A large question mark is overlaid on the diagram. At the bottom, a performance graph shows a blue line fluctuating over time, with a red vertical line indicating a specific point in time. The x-axis is labeled with '12:00', '18:00', and '00:00'. The text 'OpenSource Network Management' is at the bottom left.

Projekterfahrung

- Bedarf muss gegeben sein (Netzwerkgröße, Dienstanzahl)
- für kleinere Anwendungen ASP-Ansatz (shared Nagios-Server, Mandantenfähig)
- Struktur in Abbildung wichtig (Org/Geo)
- Evtl. verteiltes Monitoring um Last zu teilen
- eigene Failover-Lösung: Checks die als „Backup“ fahren werden erst bei Versagen des Primärservers aktiv
- Statistiken wichtig



The screenshot displays the Nagios monitoring interface. At the top, there is a logo for 'CUBIT' with the tagline 'open source for enterprise' and 'linuxwochen'. Below this, a network diagram shows various hosts and their connections, with some hosts marked as 'Up'. The Nagios logo is prominently displayed in the center. At the bottom, a performance graph shows a blue line representing a metric over time, with a red vertical line indicating a specific point in time. The x-axis is labeled with '12:00', '18:00', and '00:00'. The text 'OpenSource Network Management' is visible at the bottom left of the screenshot.

Projekterfahrung - Stats

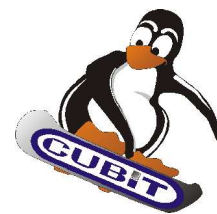
- Bedarf für SLA Report Generator
- Simple GUI Tool
- Möglichkeit zum Tuning
- Zielgruppe nicht technische Manager
- Einfaches, optisch ansprechendes Ergebnis
- Templates sparen langwierige Spreadsheet-Akrobatik
- nachträglich definierte Serviceprofile
 - Nagios läuft 24x7, SLA ist 0900-1700
 - Feiertage
- nachträglich definierte Wartungsfenster



The screenshot shows the Nagios web interface. At the top left is the CUBIT logo with the text 'open source for enterprise' and 'linuxwochen'. The main area displays a network diagram with nodes like 'cube2', 'cube:Up', 'bigla:Up', 'i-cubit', 'bit.at', 'cube1-lan', 'cube1-kdntrans', 'cube1-inet', and 'gd1x02'. A 'Nagios Process' node is also visible. At the bottom, there is a performance graph with a blue line and a red vertical line. The text 'OpenSource Network Management' is at the bottom left.

Projekterfahrung PlugIns

- richtiger Nutzen erst mit spezifisch geschriebenen PlugIns („Harry Potter Monitor“, LogIn-Check)
- standardisierte Schnittstelle in Multi-Tier Anwendungen sinnvoll um Aufwand für die Erstellung eigener PlugIns zu senken
- Support für Industriestandard-Hardware oft nicht so gut, Verständnisproblem bei Anwendern
- Dienstleister kann Know-How einbringen, Consulting vor Allem bei Aufbau Template-Struktur und Monitoring-Strategie wichtig



CUBIT
open source for enterprise

linuxwochen

Nagios

OpenSource
Network Management

Projekterfahrung - sonstige

- Implementierungsaufwand nicht negierbar
- Implementierungsaufwand relativ unabhängig von Lösung, relativ unabhängig davon, ob Lösung GPL/OS ist oder nicht
- viele IT-Teams sind zu klein um selbst voll zu Implementieren
- Dienstleister für Implementierung sinnvoll
- KEINE ANGST VOR PLUGINS!
- Netzwerkmonitoring/management via Nagios: Nagios als Auftragsvergabe zur Problembehebung durch externe Dienstleister

