

Fan

Fully Automated Nagios



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Fan

Presentation outline

- Introducing FAN
- FAN Tools
- Next release of FAN : 2.0
- Next release of FAN : 2.1

Fan

Introducing FAN

- Monitoring dedicated Linux distribution
- One ISO containing
 - Operating System
 - Nagios apps
- FAN is based on CentOS
- FAN adds monitoring packages
- All tools are automatically configured
- FAN is FREE software and free of charge
- <http://fannagioscd.sourceforge.net>

Nagios & Nagios plugins

Home

Monitoring

- Tactical Overview
- Service Detail
- Host Detail
- hostname
- Host Group
- Service Group
- Status Map
- Problems
- Comments
- Downtime
- Perfpars

Reporting

- Trends
- Availability
- Alerts
- Notifications
- Event Log

Configuration

Tactical Monitoring Overview

Last Updated: Wed Nov 15 18:08:11 CET 2006

Updated every 60 seconds

Nagios@ - www.nagios.org

Logged in as *nagiosadmin*

Network Outages

0 Outages

Hosts

0 Down	0 Unreachable	8 Up	0 Pending
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Services

1 Critical	3 Warning	0 Unknown	96 Ok	0 Pending
1 Unhandled Problems	1 Unhandled Problems			
	2 Acknowledged			

Monitoring Features

	Flap Detection	Notifications	Event Handlers	Active Checks	Passive Checks
Disabled	N/A	Enabled	Disabled	Enabled	Enabled
		2 Services Disabled	N/A	All Services Enabled	All Services Enabled
		All Hosts Enabled		All Hosts Enabled	All Hosts Enabled

Monitoring Performance

Service Check Execution Time: 0.15 / 4.24 / 0.678 sec

Service Check Latency: 0.02 / 0.99 / 0.531 sec

Host Check Execution Time: 0.03 / 0.03 / 0.028 sec

Host Check Latency: 0.14 / 0.84 / 0.424 sec

Active Host / Service Checks: 8 / 100

Passive Host / Service Checks: 0 / 0

Network Health

Host Health:

Service Health:

Nagios & Nagios plugins

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Current Network Status

Last Updated: Wed Nov 15 18:59:46 CET 2006
 Updated every 60 seconds
 Nagios@ - www.nagios.org
 Logged in as nagiosadmin

View History For all hosts
 View Notifications For All Hosts
 View Host Status Detail For All Hosts

Display Filters:

Host Status Types: **All**
 Host Properties: **Any**
 Service Status Types: **All Problems**
 Service Properties: **Any**

Host Status Totals

Up	Down	Unreachable	Pending
8	0	0	0
All Problems		All Types	
0		8	

Service Status Totals

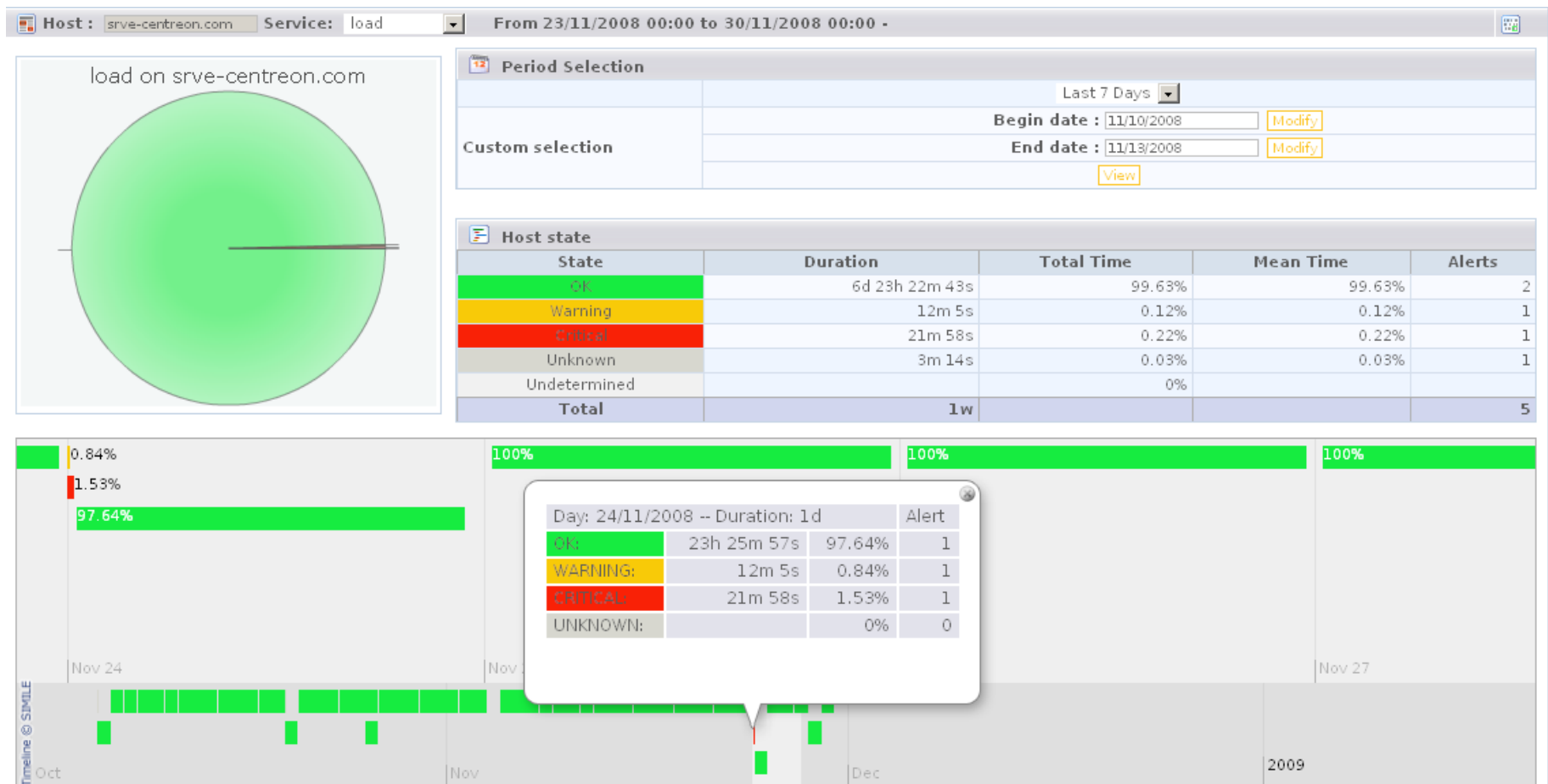
Ok	Warning	Unknown	Critical	Pending
96	3	0	1	0
All Problems			All Types	
4			100	

Service Status Details For All Hosts

Host	Service	Status	Last Check	Duration	Attempt	Status Information
Linux_Ricard	Linux_Cpu_Usage	CRITICAL	11-15-2006 18:58:11	0d 11h 11m 36s	3/3	CRITICAL (W>90, C>95) : Average on last 60 minutes : CPU1 97.3%OK (W>90, C>95) : Average on last 60 minutes : CPU0 35.2%
	Linux_Load	WARNING	11-15-2006 18:59:00	0d 12h 35m 46s	3/3	WARNING - load average: 4.36, 3.58, 3.39
Linux_Tomate	Linux_FileSystem_/_var/log_Usage	WARNING	11-15-2006 18:58:38	38d 16h 9m 25s	3/3	WARNING (W>90%, C>95%) : /var/log (94 %)
Linux_Vodka	Linux_FileSystem_/_usr_Usage	WARNING	11-15-2006 18:58:05	31d 22h 32m 27s	3/3	WARNING (W>90%, C>95%) : /usr (92 %)

4 Matching Service Entries Displayed

Centreon



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Integrated tools

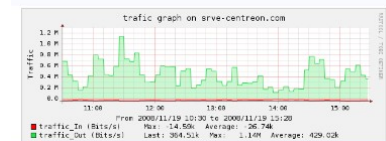
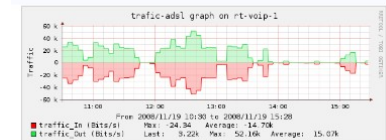
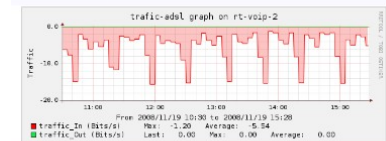
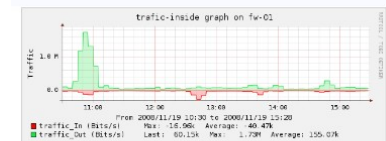
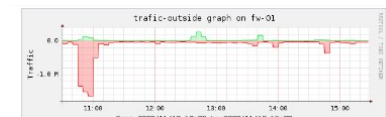
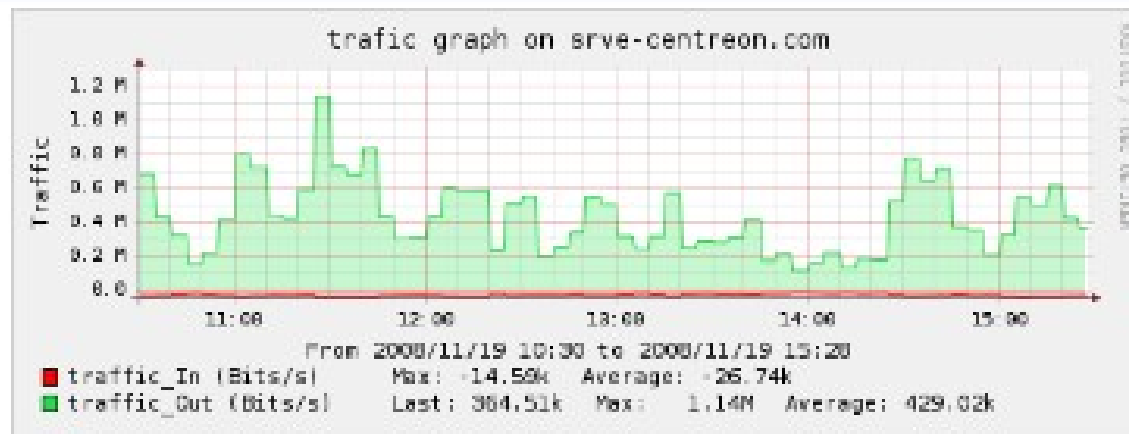
Centreon

The screenshot displays the Centreon monitoring dashboard. At the top, a status bar shows Hosts States (Up: 47, Down: 4, Unreachable: 0, Pending: 0) and Service States (Ok: 231, Warning: 2, Critical: 18, Pending: 0, Unknown: 8). The main interface is divided into a left sidebar with navigation options like 'Services Details', 'Details', and 'Hosts Groups', and a central area showing a list of services. The 'srvi-netsys' service is highlighted, showing a 'WARNING' status for the '/usr' directory. A graph titled '/ graph on srvi-netsys' shows storage usage over time, with a red bar indicating a critical issue for 'proc-apache'.

Hosts	Services	Status	Duration	Last Check	Tries	Status information
srvi-Mirror	users	OK	4w 1d 3h 22m 40s	30/11/2008 17:00:33	1	Nombre d'utilisateurs connectes : 0
srvi-mon2p	/	OK	1w 5d 16h 8m 50s	30/11/2008 17:00:58	1	Disk OK - / TOTAL: 2.956 Go USED: 26% : 0.791 Go
	/home	OK	1w 5d 16h 8m	30/11/2008 17:00:58	1	Disk OK - /home TOTAL: 0.475 Go USED: 2% : 0.010 Go
	/usr	WARNING	6d 4h 44m 58s	30/11/2008 17:05:05	3	Disk WARNING - /usr TOTAL: 0.988 Go USED: 83% : 0.826 Go
	/var	OK	1w 5d 16h 6m 21s	30/11/2008 17:04:55	1	Disk OK - /var TOTAL: 9.131 Go USED: 33% : 3.078 Go
	load	OK	1w 5d 16h 5m 31s	30/11/2008 17:00:25	1	load average: 0.54, 0.55, 0.51.
	memory	OK	1w 5d 16h 9m 40s	30/11/2008 17:01:11	1	total memory used : 64% ram used : 88%, swap used 0%
	ping	OK	2M 4d 8h 43m 16s	30/11/2008 17:02:09	1	GPING OK - rtt min/avg/max/mdev = 0.000/0.030/0.046/0.021 ms
	proc-apache	CRITICAL				11.5Mb OK
	trafic	OK				44 kb/s (0.2%) - Total RX Bits In : 7.58
	users	OK				0.751 Go
srvi-mon2p-dev	/	OK				2% : 0.010 Go
	/home	OK				D: 95% : 0.943 Go
	/usr	WARNING				6 : 3.351 Go
	/var	OK				, swap used 1%
	load	OK				4/0.486/0.520/0.047 ms
	memory	OK				
	ping	OK				
	proc-apache	CRITICAL	4w 1d 3h 47m 12s	30/11/2008 17:02:05	5	No process matching ntpd2 found : CRITICAL
	trafic	OK	4w 1d 3h 47m 38s	30/11/2008 17:02:29	1	Traffic In : 1.04 kb/s (0.0%), Out : 617.57 b/s (0.0%) - Total RX Bits In : 2.58 GB, Out : 1.36 Gb
	users	OK	4w 1d 3h 45m 58s	30/11/2008 17:02:54	1	Nombre d'utilisateurs connectes : 0
srvi-netsys	/	OK	2M 1w 1d 10h 28m 42s	30/11/2008 17:00:58	1	Disk OK - / TOTAL: 146.998 Go USED: 59% : 86.738 Go
	/home/repository	OK	2M 1w 2h 45m 30s	30/11/2008 17:04:53	1	Disk OK - /home/repository TOTAL: 73.334 Go USED: 88% : 64.541 Go
	dhcp	OK	3d 18h 15m 45s	30/11/2008 17:05:10	1	OK: Received 1 DHCP OFFER(s), 1 of 1 requested servers responded, max lease time = 7200 sec.
	dns	OK	2M 1w 1d 10h 28m 43s	30/11/2008 17:01:31	1	DNS OK: 0.053 seconds response time. netsys.merethis.net returns 192.168.1.200



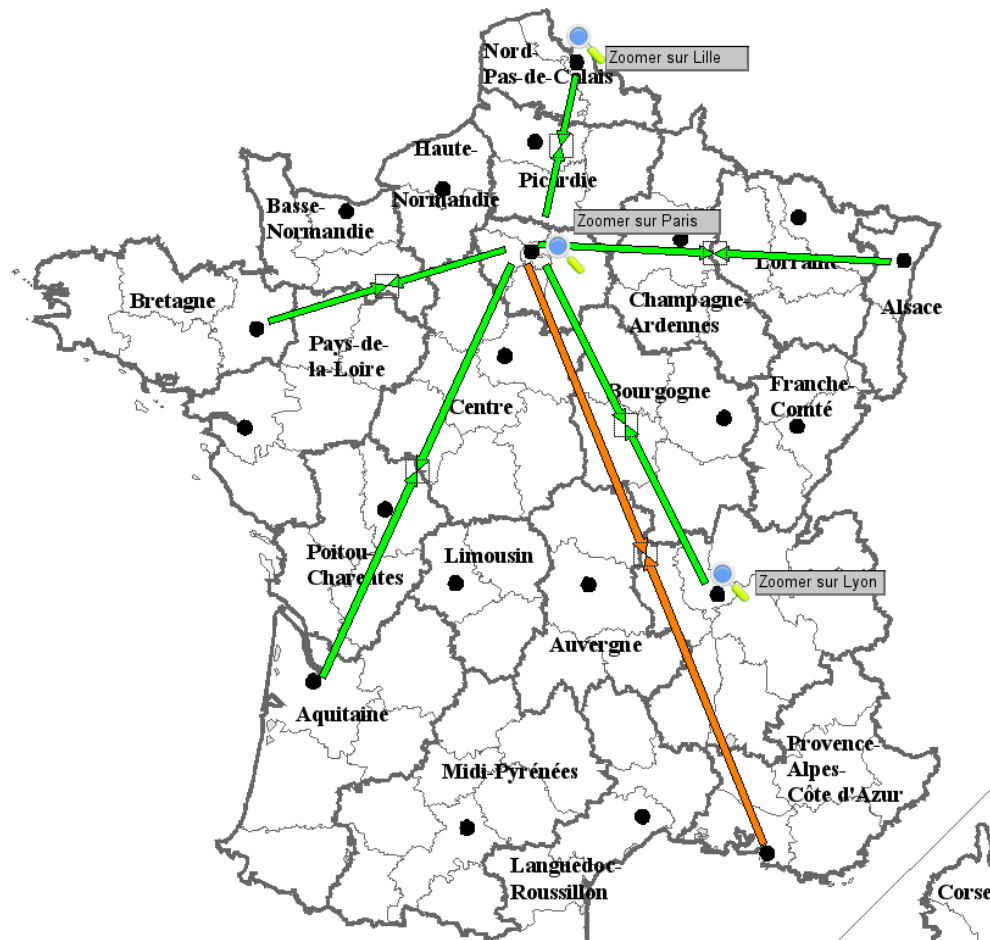
Centreon



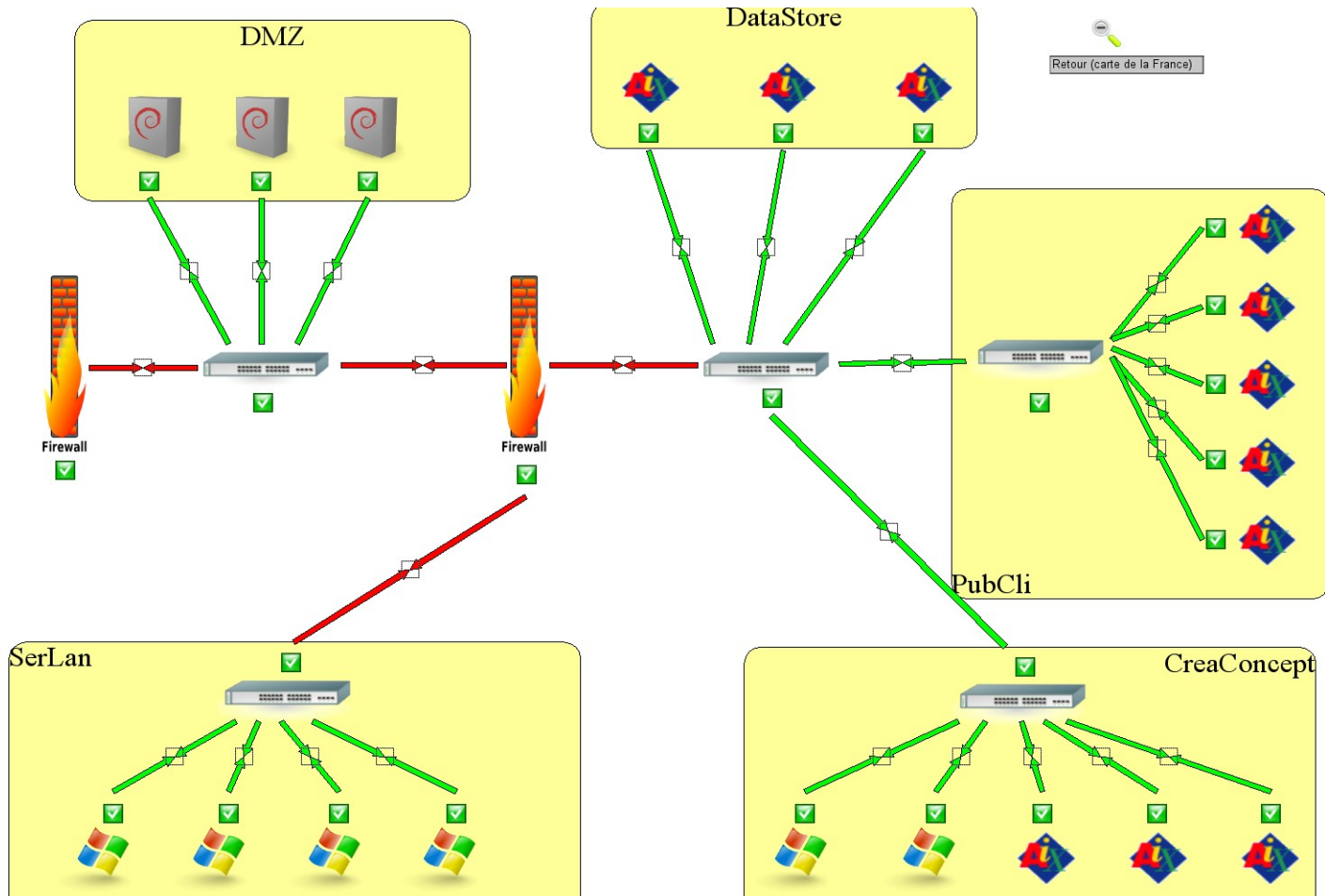
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Integrated tools

NagVis



NagVis



NagVis



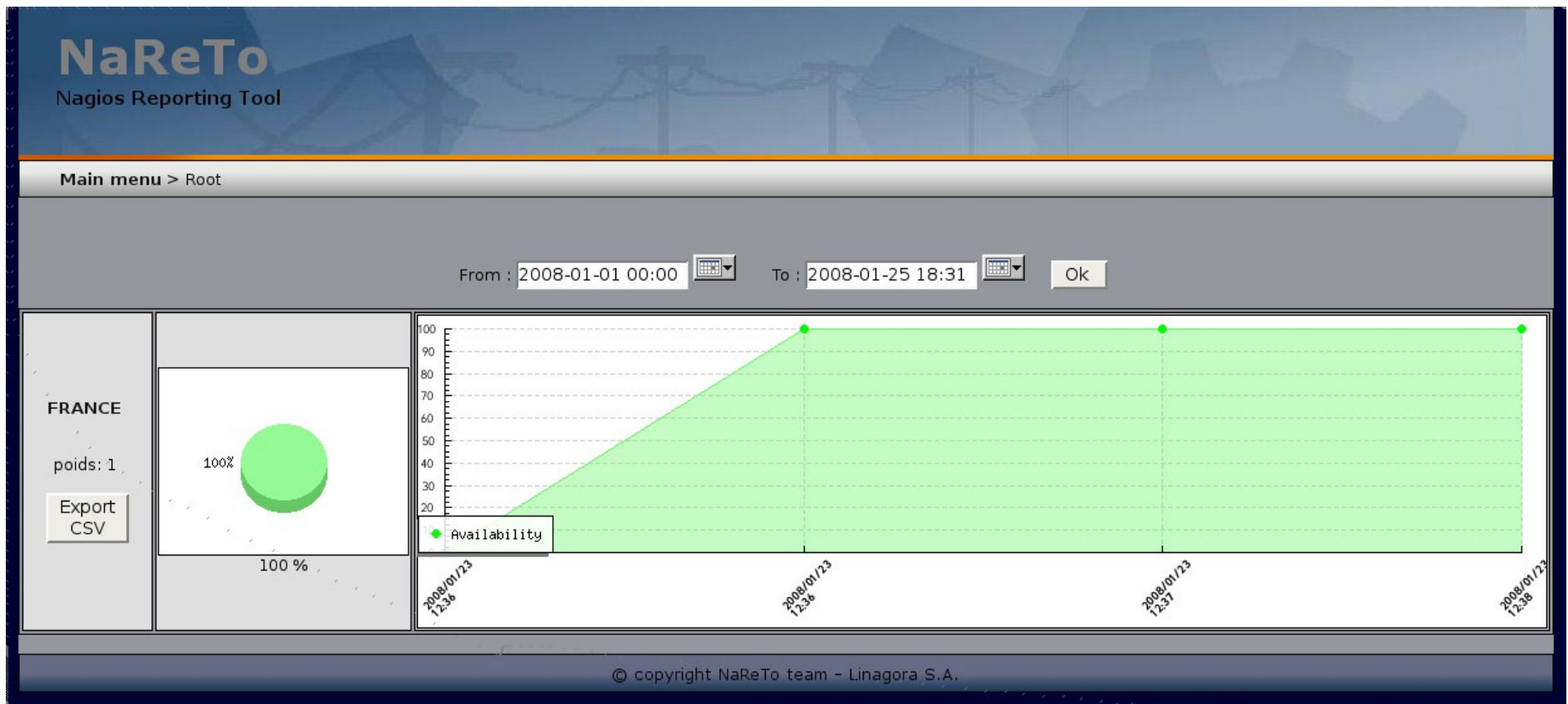
NaReTo

The screenshot shows the NaReTo Nagios Reporting Tool interface. The title bar reads "NaReTo Nagios Reporting Tool". Below it is a breadcrumb navigation path: "Main menu > Root > FRANCE > LILLE > localhost". A sidebar on the left has a red button labeled "localhost". The main content area displays a table of system metrics:

Current Users		
PING		
Root Partition		
Total Processes		
Current Load		

At the bottom, a legend defines the status icons: Critical (red circle), Warning (yellow circle), Unknown (orange circle), Pending (grey circle), Ok (green circle), and Problem acked (warning triangle). The footer contains the copyright notice: "© copyright NaReTo team - Linagora S.A."

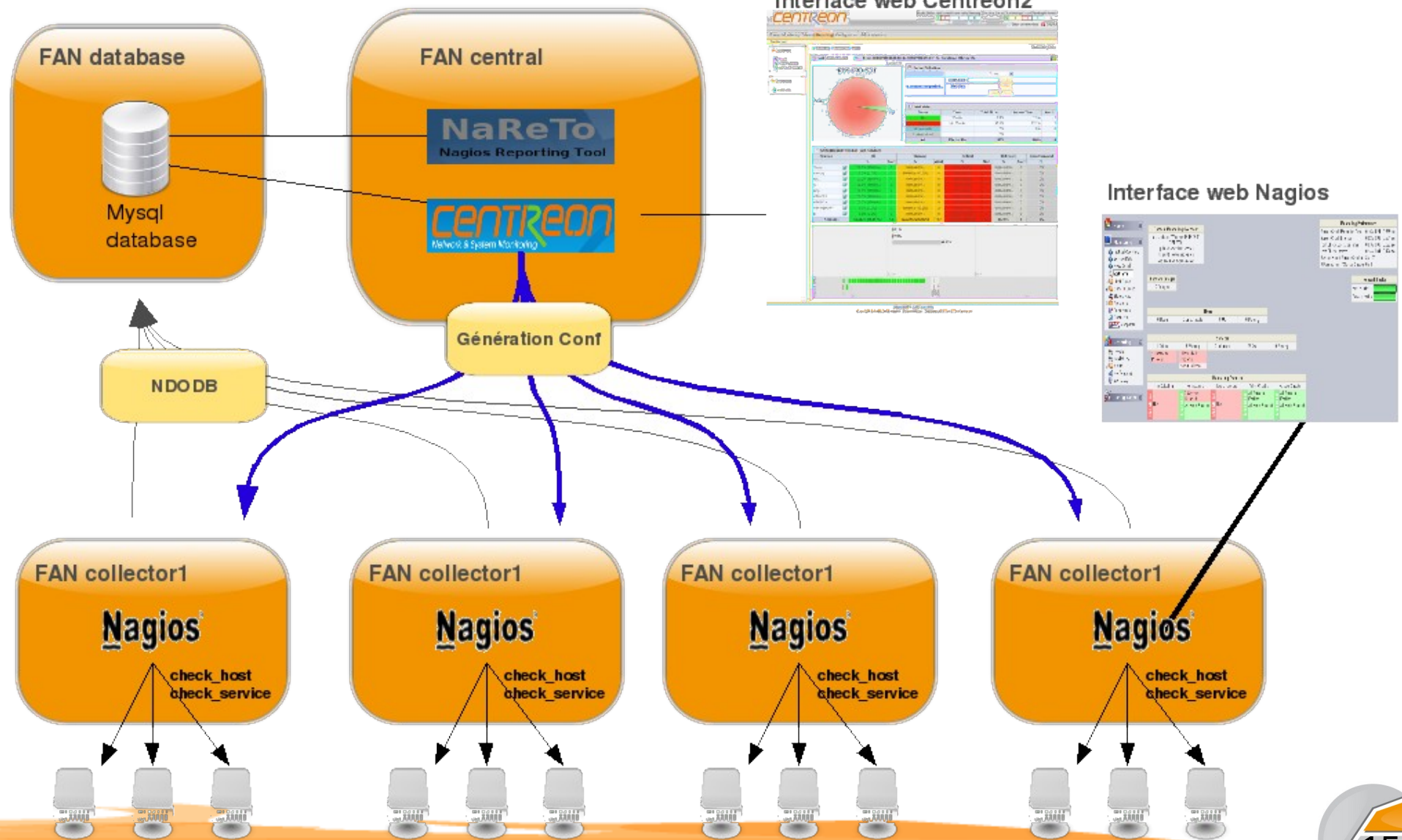
NaReTo



- Updating apps
 - Centreon 2.0.2 (Centreon 2.1???)
 - Nagios 3.0.6 (Nagios 3.2.0???)
 - NagVis 1.4.1
- News features
 - Dokuwiki, Documentation
 - Upgrading from Centreon 1.x to Centreon 2.x

Fan

Next version : 2.1



- Distributed architecture
- 3 server types
 - Central server (web interface)
 - Database server (storage)
 - Collector server (monitoring)
- Automated installation
 - "central" on boot : central server is installed
 - "database" on boot : database server is installed
 - "collector" on boot : monitoring server is installed

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Web links

- <http://fannagioscd.sourceforge.net>
- <http://sourceforge.net/projects/fannagioscd>
- <http://cedrictemple.net/FAN/>
- <http://lkco.gezen.fr>

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 - David HANNEQUIN
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 - David DUMORTIER

- Packagers
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- Developers of :
 - Nagios, Centreon, NaReTo, NagVis, NDOUtils, des plugins, CentOS, VirtualBox
- Help, remarks and contribute
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