Nagios

- http://www.nagios.org/
- an enterprise-class network and server monitoring system.
- Useful for:
 - Monitoring of network services.
 - Monitoring of host resources (processor load, disk usage, system logs)
 - Contact notifications when service or host problems occur and get resolved (via e-mail, SMS).
 - You can define event handlers that execute when triggered by certain events. (Proactive problem resolution)



Monitoring

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

- 3-D Status Map
- Service Problems
- Unhandled Host Problems
- Unhandled
- Network Outages

Show Host:

- Comments Downtime
- Process Info
- Performance Info Scheduling Queue

Reporting

- Trends
 Availability
- Alert HistogramAlert History
- Alert Summary
- Notifications
- Event Log

Configuration

View Config



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Version 3.0rc1

December 17, 2007 Read what's new in Nagios 3

Need help with Nagios? A variety of worldwide support options are

available to help you get Nagios up and running quickly. Visit www.nagics.org/support/ for information



on:

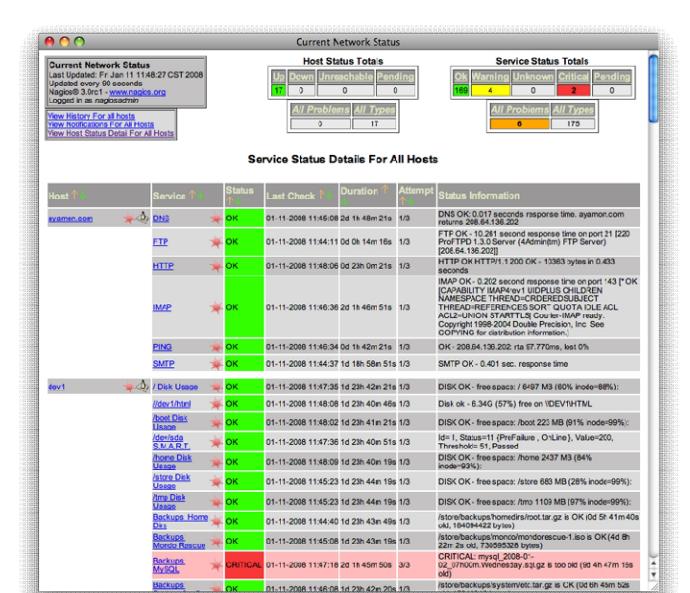
- Configuration
- · Performance Tuning
- Best Practices
- Integration

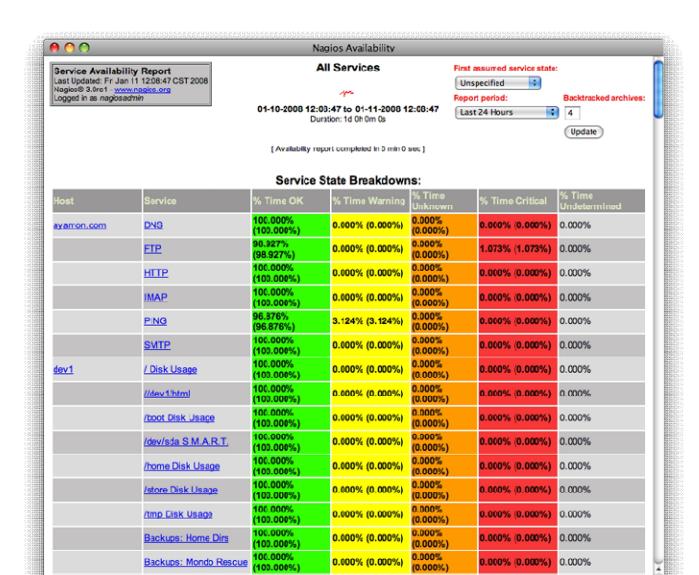
Nagios'



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Backups: MySQL

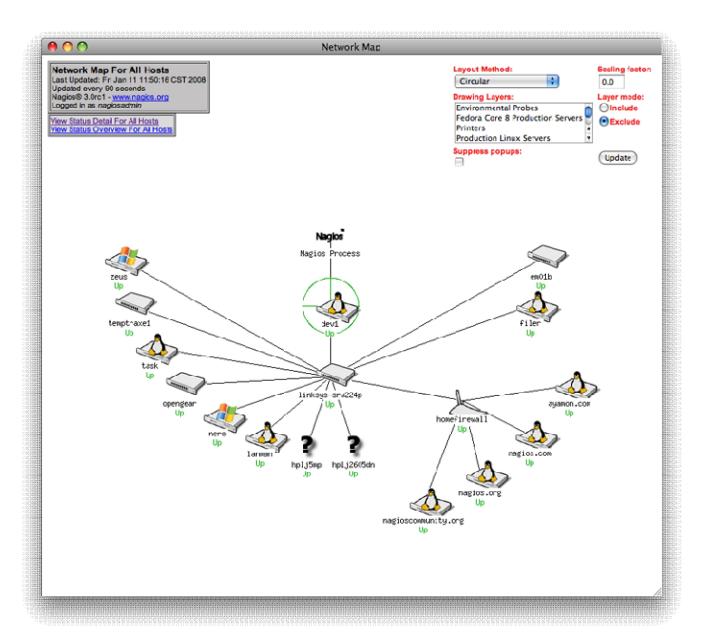
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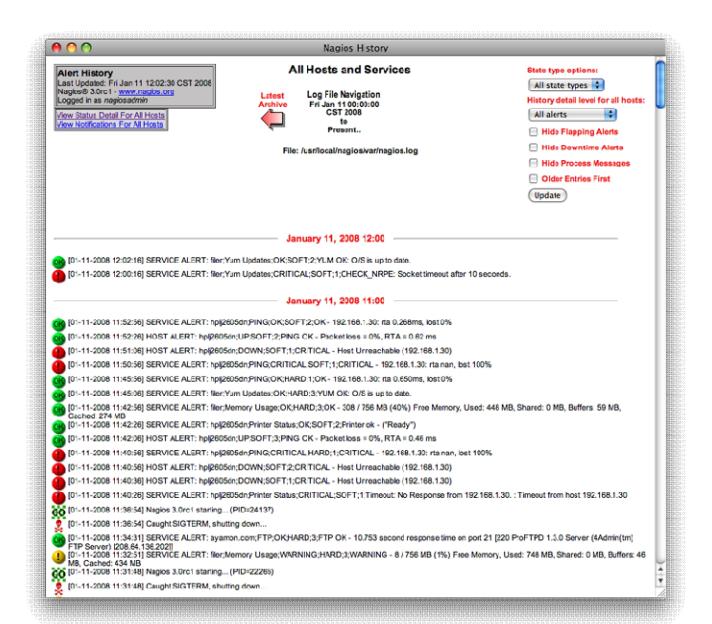
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OpenNMS

- http://www.opennms.org
- Functionalities
 - High performance
 - A single instance of OpenNMS supports monitoring of a large number of nodes.
 - Automation
 - OpenNMS minimizes the amount of manual configuration.
 - Rule-based configuration
 - Flexible rules can be used to specify what services are polled on what devices.



Web Console

[admin] Notices Off Nov 27, 2002 6:46 PM

<u>Home</u>

Search | Outages | Events | Notification | Assets | Reports | Admin | Help

Nodes with Outages
192.168.23.38

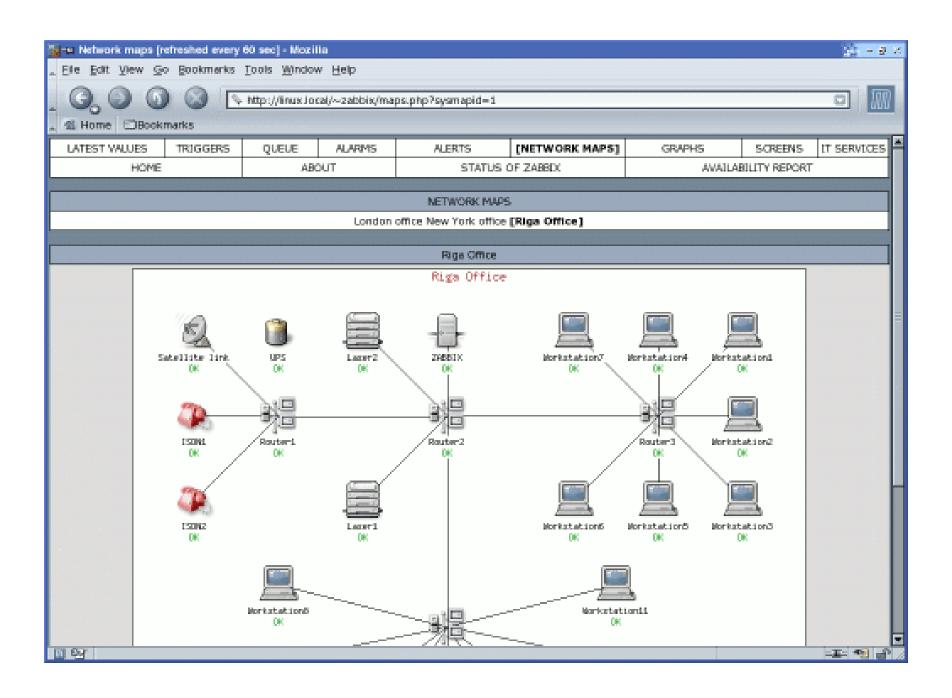
Categories	Outages	24hr Avail
Network Interfaces	0 of 1	100.000%
<u>Web Servers</u>	0 of 0	100.000%
Email Servers	0 of 0	100.000%
DNS & DHCP Servers	0 of 0	100.000%
<u>Database Servers</u>	0 of 0	100.000%
Other Servers	0 of 0	100.000%
Total	Outages	24hr Avail
Overall Service Availability	0 of 2	100.000%
Percentage over last 24 hours		

Notification
Check Your Notices
Check All Open
Notices
No outstanding
notices

Performance No performance data has been gathered yet

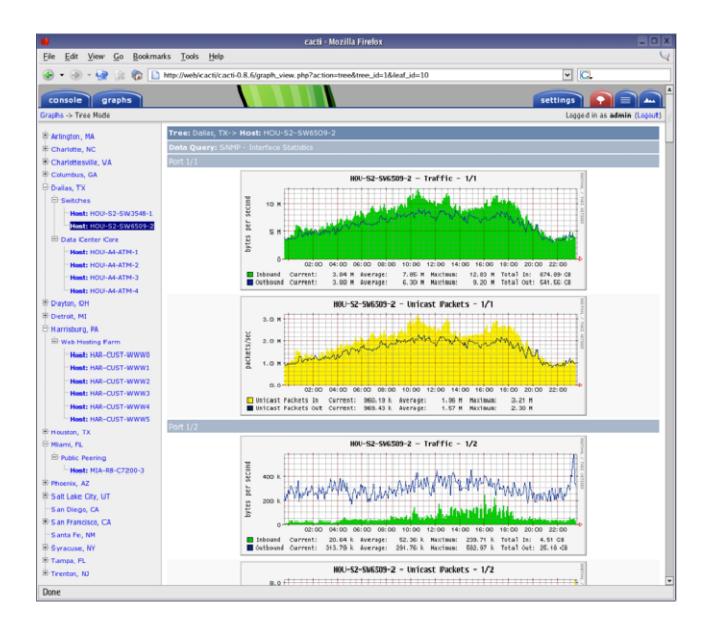
ZABBIX

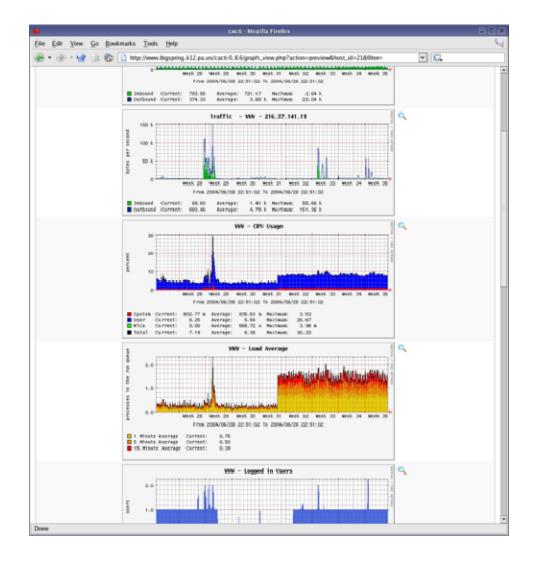
- http://www.zabbix.com
- Functionalities
 - Performance monitoring
 - User alerts
 - Monitoring of log files
 - Logging services
 - Capacity planning
 - Assuring and monitoring of SLA
 - High level view of IT resources and services
 - Graphical representation of collected information
 - Network maps

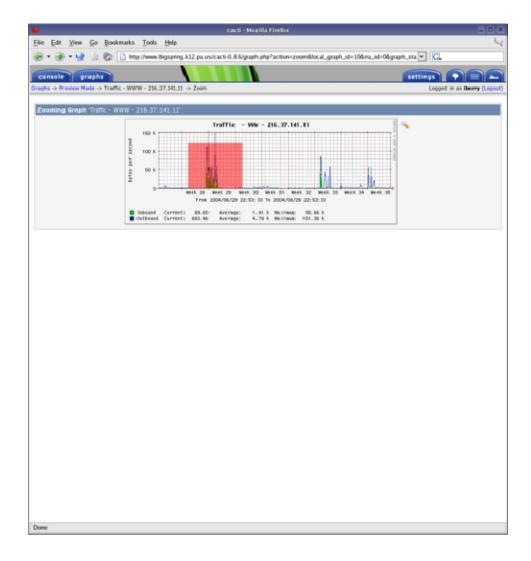


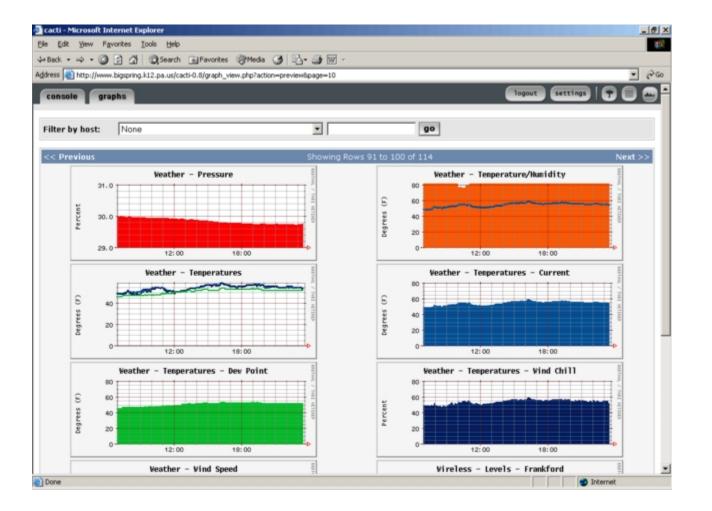
Cacti

- http://www.cacti.net
- Similar to MRTG.
- Based on RRDtool.
- Offers excellent graphing capabilities.
- Has extensive templates.



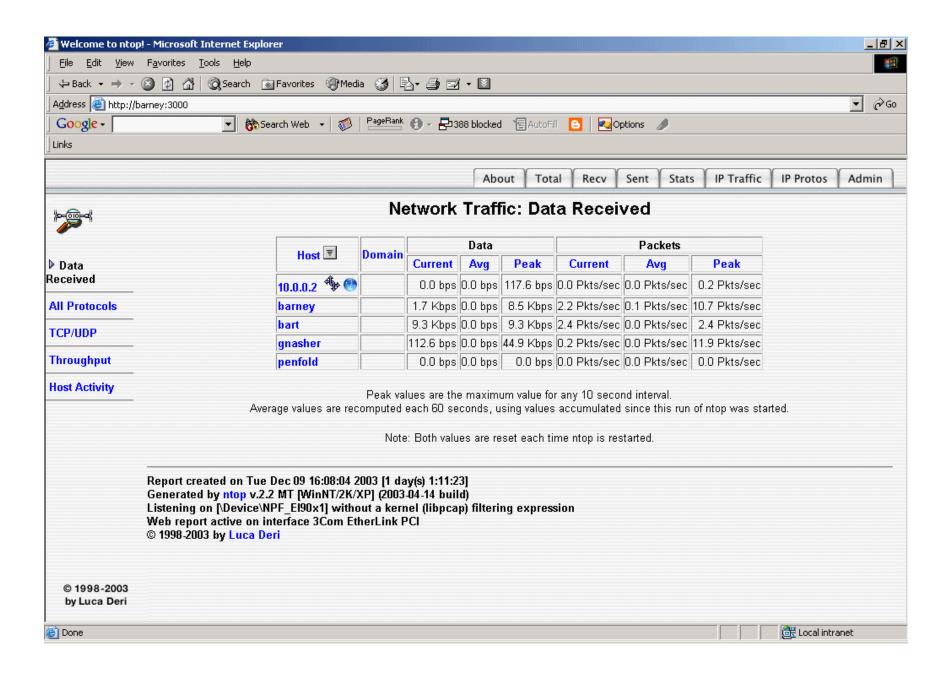


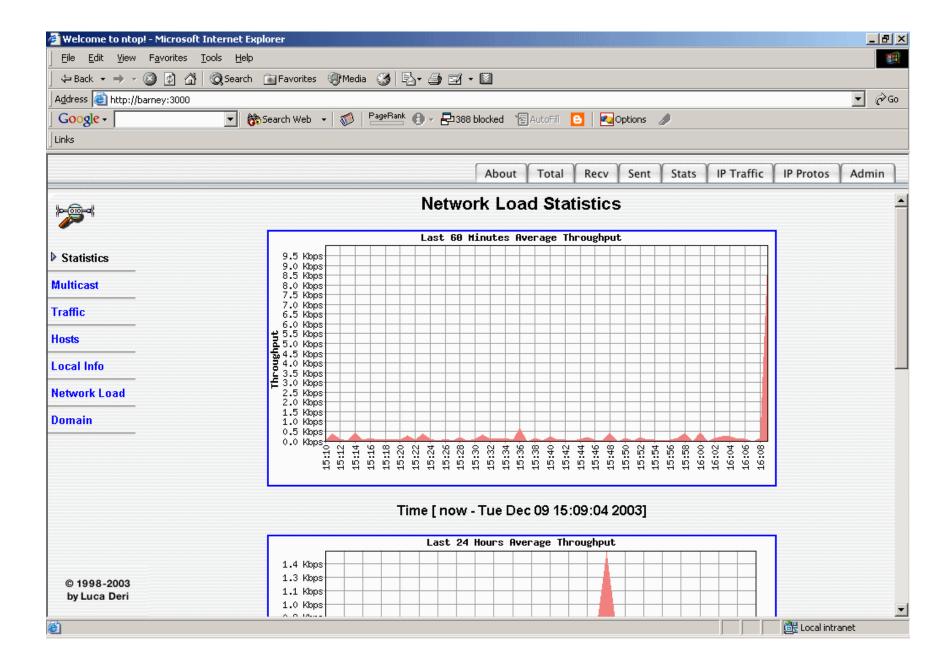


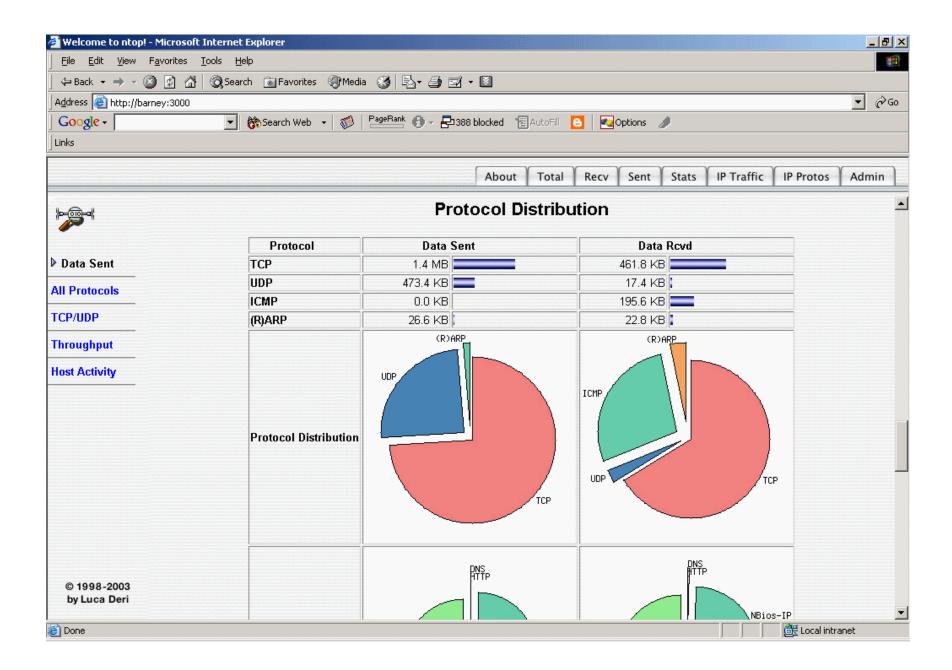


NTop

- http://ntop.org
- Network probe that shows network activity just like "top".

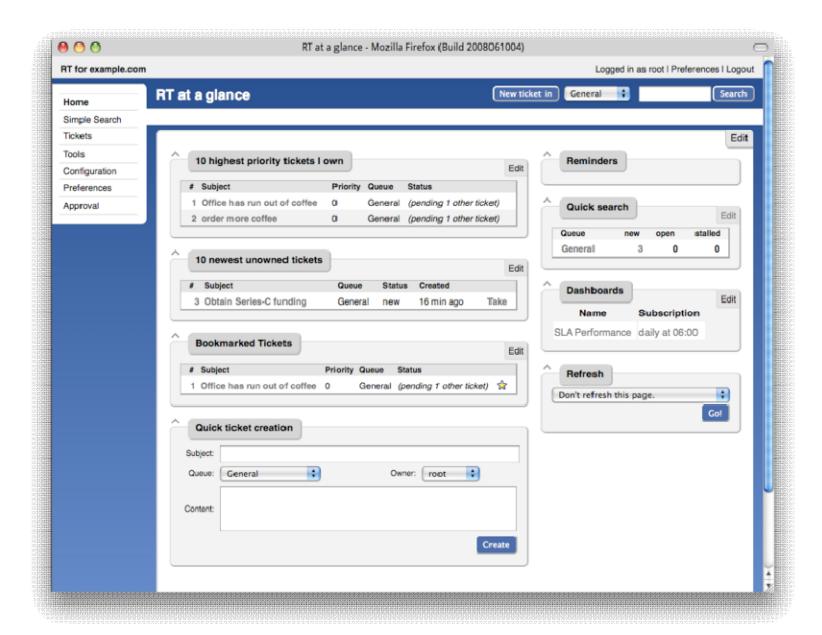


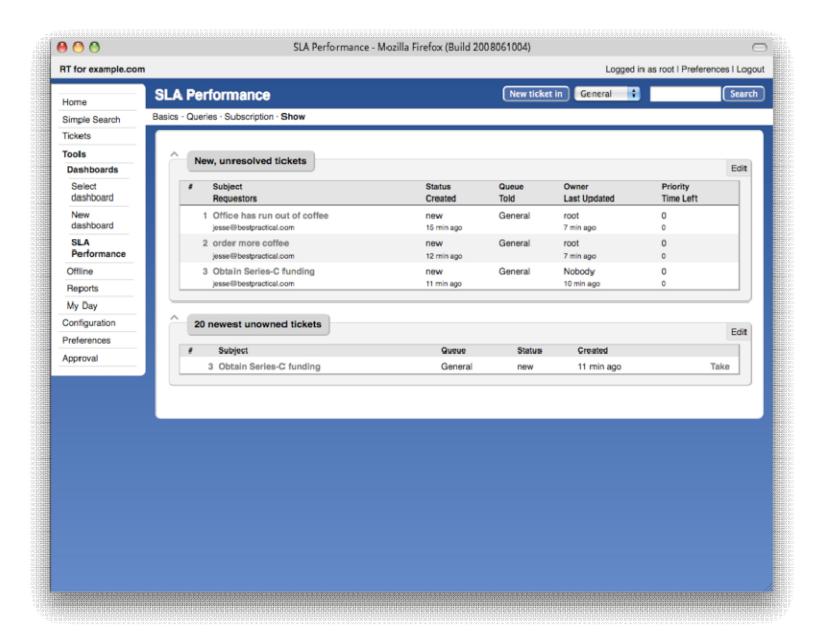


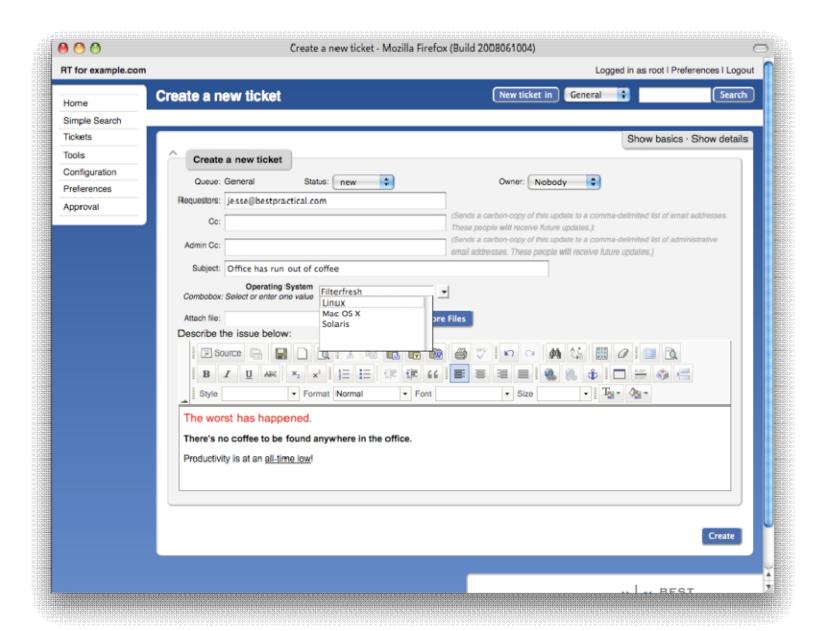


Request Tracker

- http://bestpractical.com/rt/
- Tracks data/conversations/requests.
- Convenient for end users.
- Highly customizable.
- Easy to install (hmm...)







Security Tools

- Some security tools to consider:
 - NetFilter IP Tables Firewall
 - WireShark Protocol analyzer
 - Snort Intrusion detection
 - Netcat Feature rich tool. Great for debugging.
 - Nessus Vulnerability scanner
 - Many many more...

Recommended Reading

- Practice of System and Network administration by Thomas A. Limoncelli
- How to accelerate your Internet E-book http://bwmo.net/
- Red Hat Linux Network Management Tools (CD-ROM included) (Paperback) By Steven Maxwell.