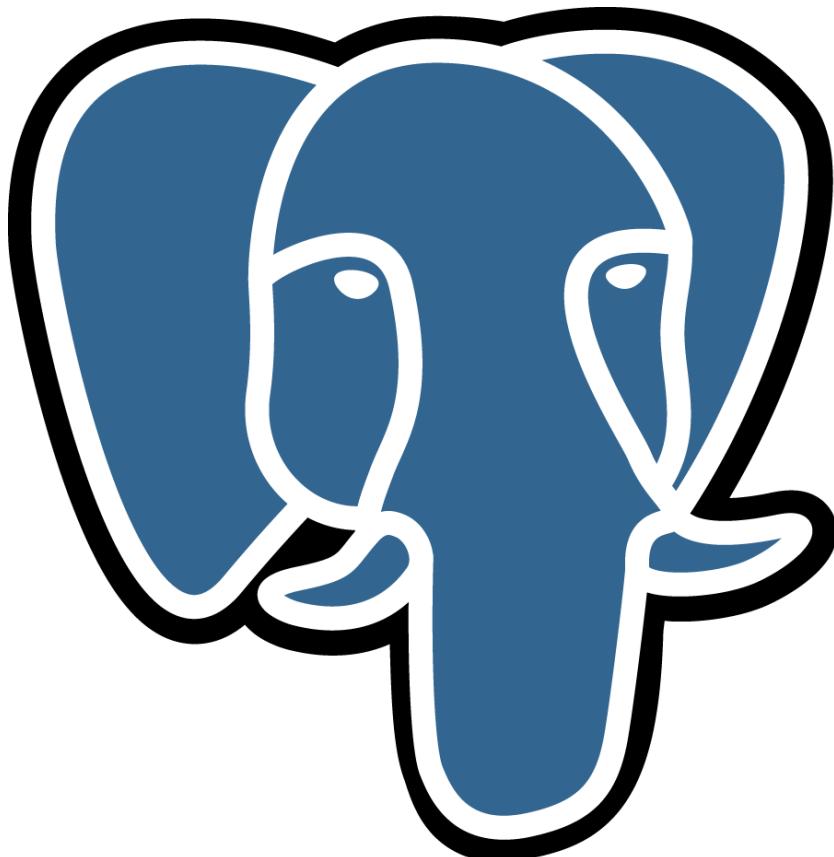


# The postgresql.org infrastructure



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FOSDEM 2008 - Brussels, Belgium

# Agenda

- Infrastructure ?
- Facts and figures
- Website
- Operations
- Future plans and ideas

# A marketing problem?

*-sysadmins is like -core it's just that -core is doing their “secret stuff” in public ...*

*... -core is listed on the website but figuring out who is the sysadmin team and how to contact them is way more difficult*

German core member on IRC

# The need for Infrastructure

- infrastructure ?
  - cvs, website and lists – there is something else ?
- services
  - pugs, pgfoundry, wwwmaster, developer wiki
  - techdocs, anoncvs, git, dns, monitoring
  - web and ftp-mirrors, ftp-master
  - archives, pmt, jabber, pgweb
  - development hosts

# Who ?

- pgfoundry team (gforge, project approval)
- web team (website and related services)
- sysadmin team (servers, maintenance, monitoring)

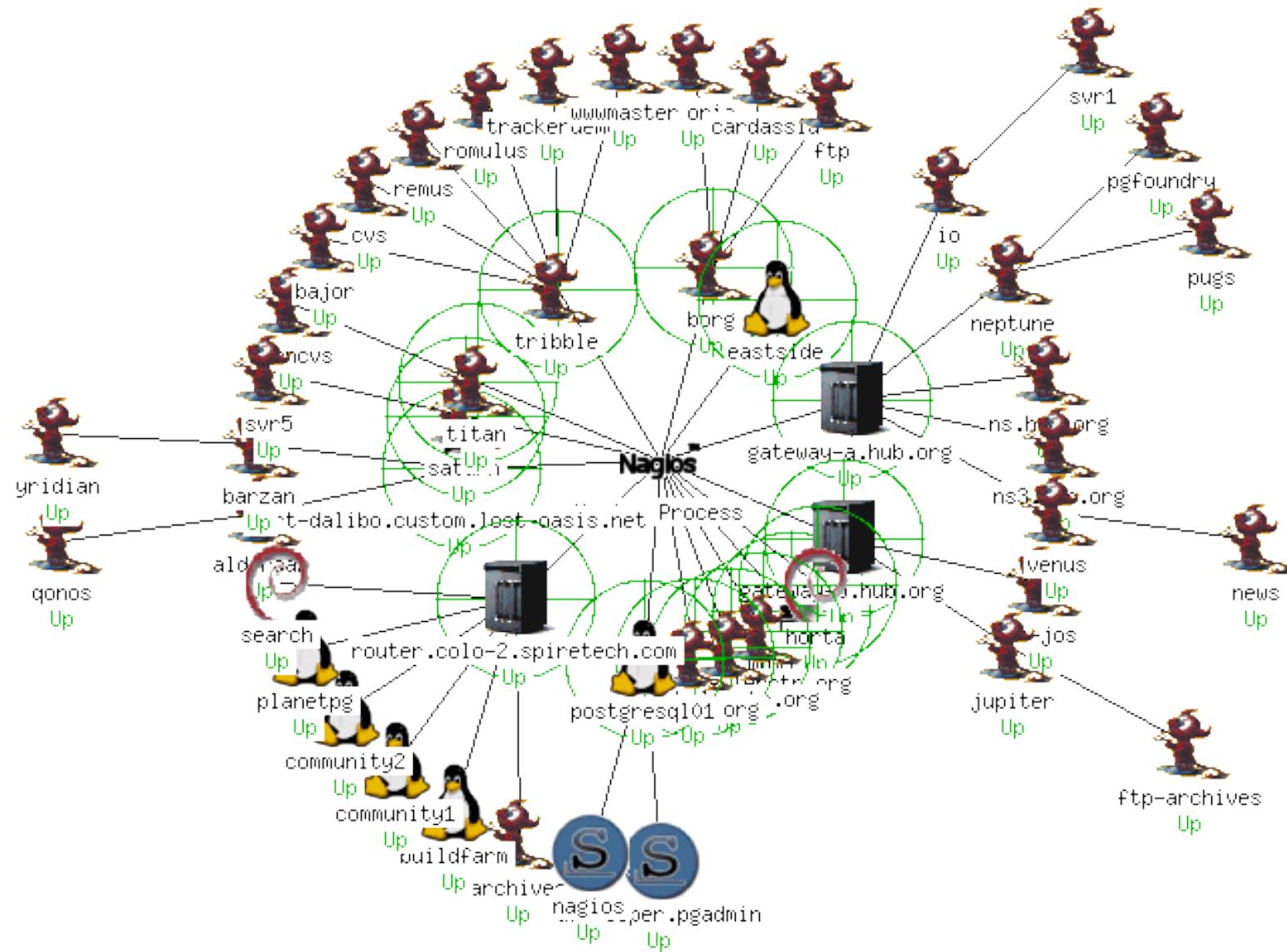
# Agenda

- Infrastructure ?
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# Facts and Figures

- ~50 monitored hosts (~50% fully community managed)
- 320 monitored services
- FreeBSD, Debian, Ubuntu, Slackware, CentOS, Redhat Enterprise Linux
- Austria, Canada, France, Israel, Panama, Sweden, USA

# Facts and Figures



# Agenda

- Infrastructure ?
- Facts and figures
- **Website**
- Operations
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# The website

- <http://www.postgresql.org> - static and distributed
- <http://wwwmaster.postgresql.org> - dynamic master
- Subversion repository <10 active committers
- PHP with PostgreSQL backend
- Hourly generation of static copy and replication
- Interface for news, events, feature matrix, doc comments

# The website - problems

- Propagation/synchronization delay
- Release coordination
- PHP/HTML and subversion knowledge required
- Source layout and code hard to understand
- Distributed nature makes for harder debugging

# The website - advantages

- robust & reliable
- very low requirements for mirrors (serve static HTML files and you are qualified)
- hosts can be added/removed very quickly
- fast
- scalable

# Agenda

- Infrastructure
- Facts and figures
- Website
- Operations
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# Operations

- Nagios based Monitoring
- Smokeping latency tracking
- Munin graphing
- Trac install for configuration changes, (internal) tickets
- Coordination through IM and Mailinglists

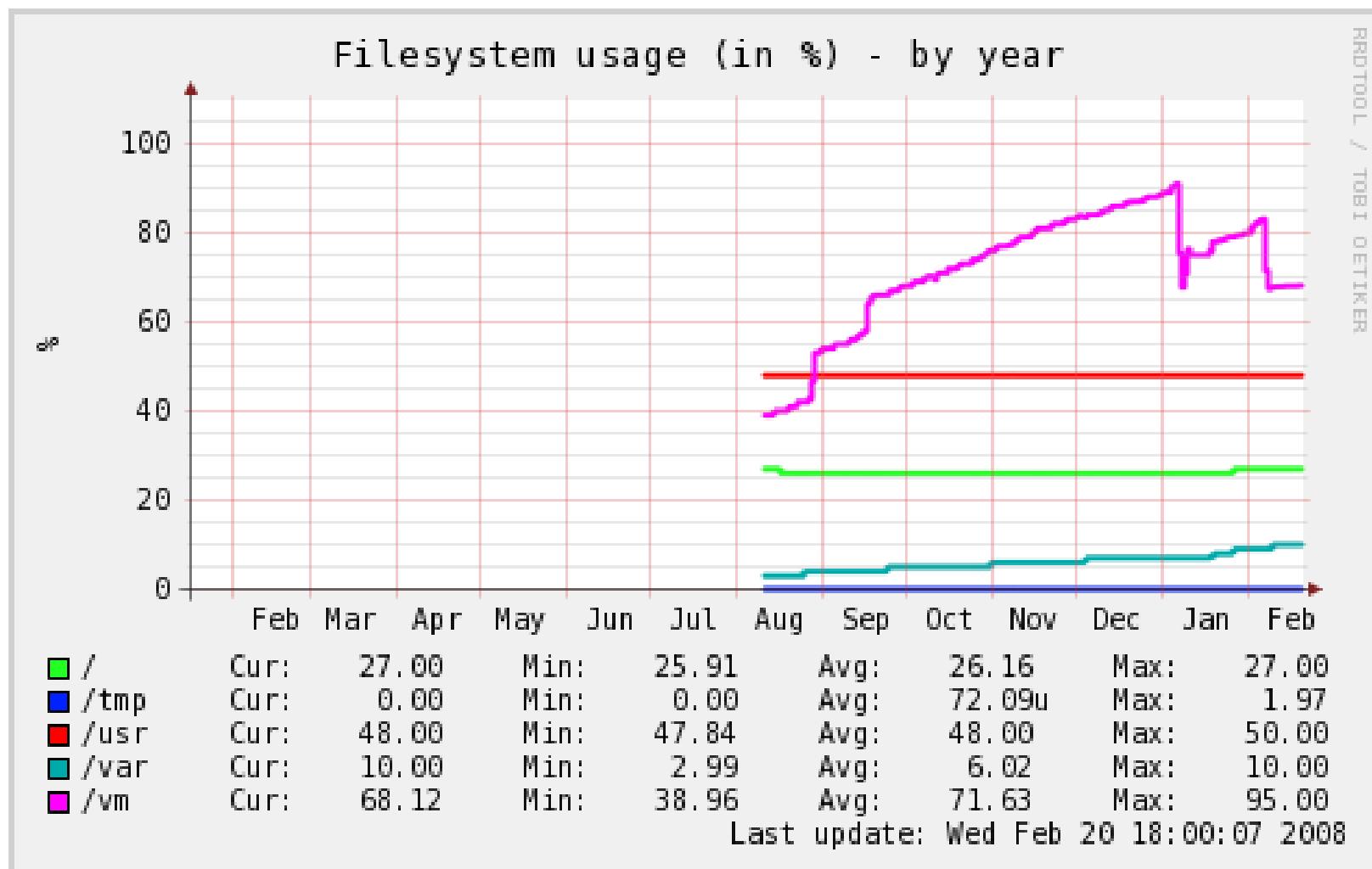
# Operations

- FreeBSD jails
- 2-8 jails/host (dedicated hosts)
- Nagios + NRPE
- Munin/smokeping
- custom developed checks (hardware checks, pg specific tasks, security updates)
- freebsd-update(8) needs “check/report”

# Operations - Problems

- different hardware
- OOB/remote hands
- operating system zoo
- “timezones”
- global network issues
- territorial issues

# Operations



# Agenda

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# Future Plans /Directions

- Centralize/unify community/user account management
- Centralize logging
- More open communication (who, what and how)
- FreeBSD 6.3
- Improve speed and reliability

# Thanks

- Infrastructure stuff can be boring but ...

... any questions ?

