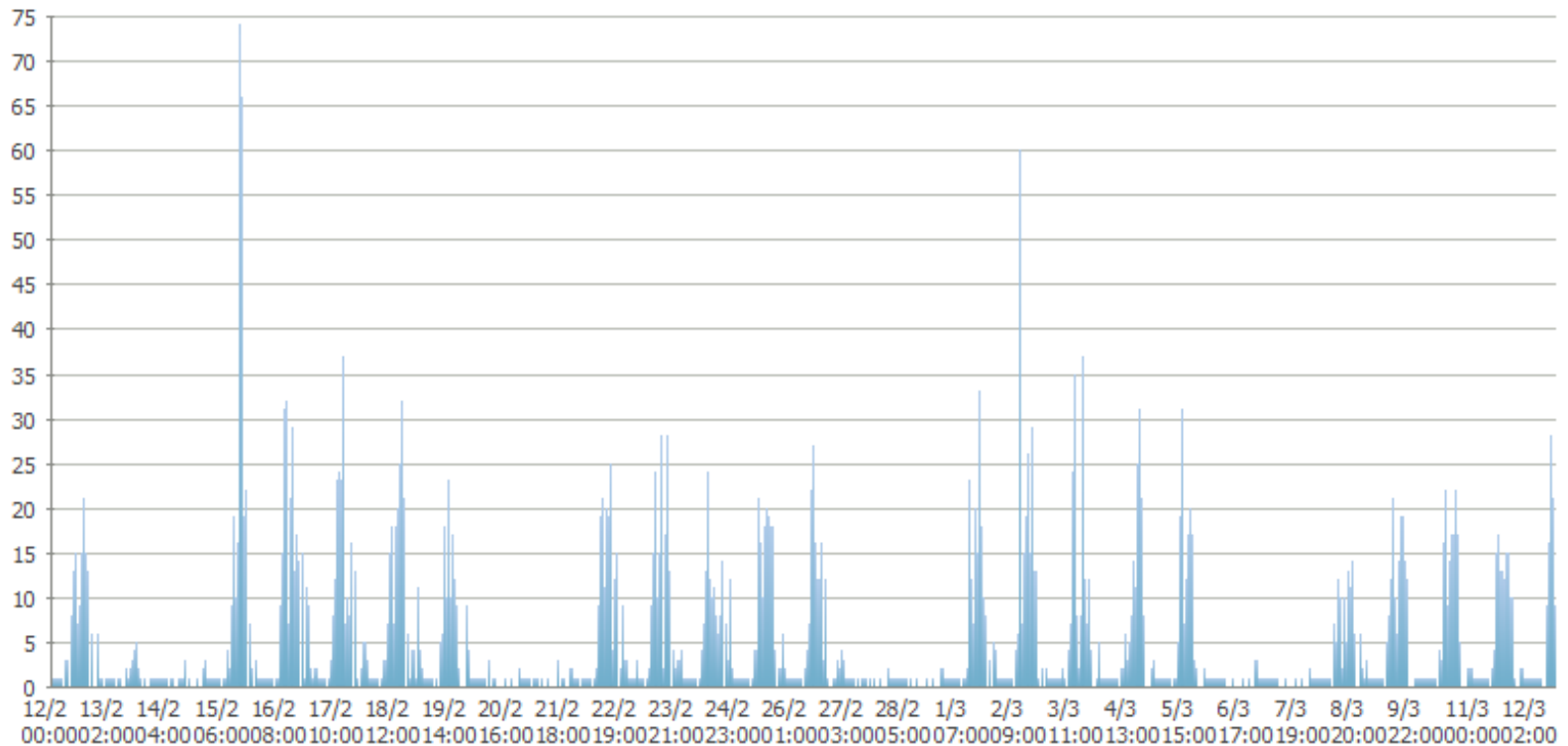# Quattor@CERN

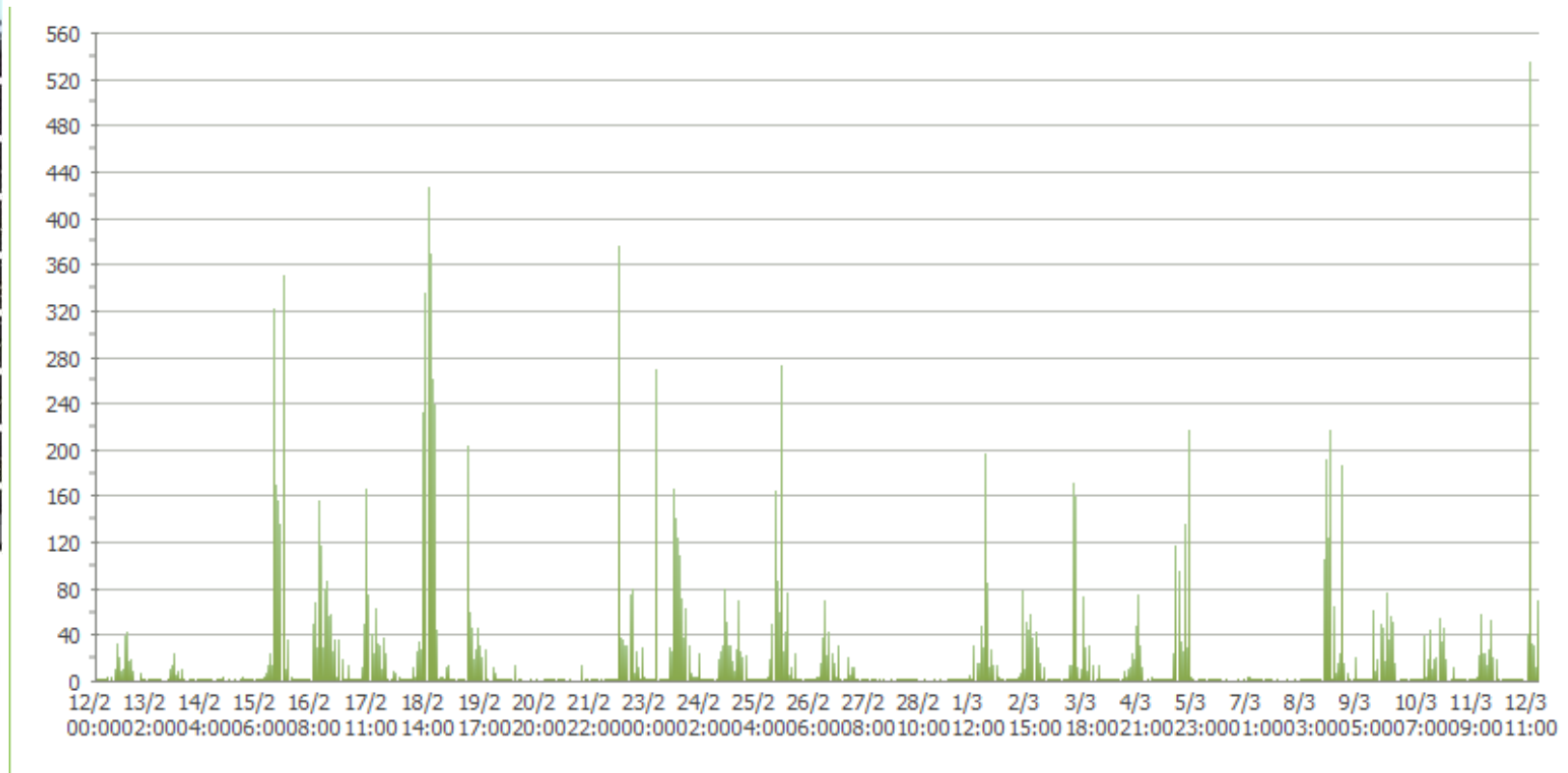## Quattor Workshop March 2010

Véronique Lefébure

CERN-IT-CF-ASI

CF

- CDB v2.2.5 & PANC 8.2.11
  - .htaccess file now accepted under /var/lib/cdb/hld/checkout
  - ~10000 profiles
- PANC 8.3.0 tested
  - CDB updated for the new .dep format, changes not committed to SVN yet.
  - V 8.3.1. not tested yet

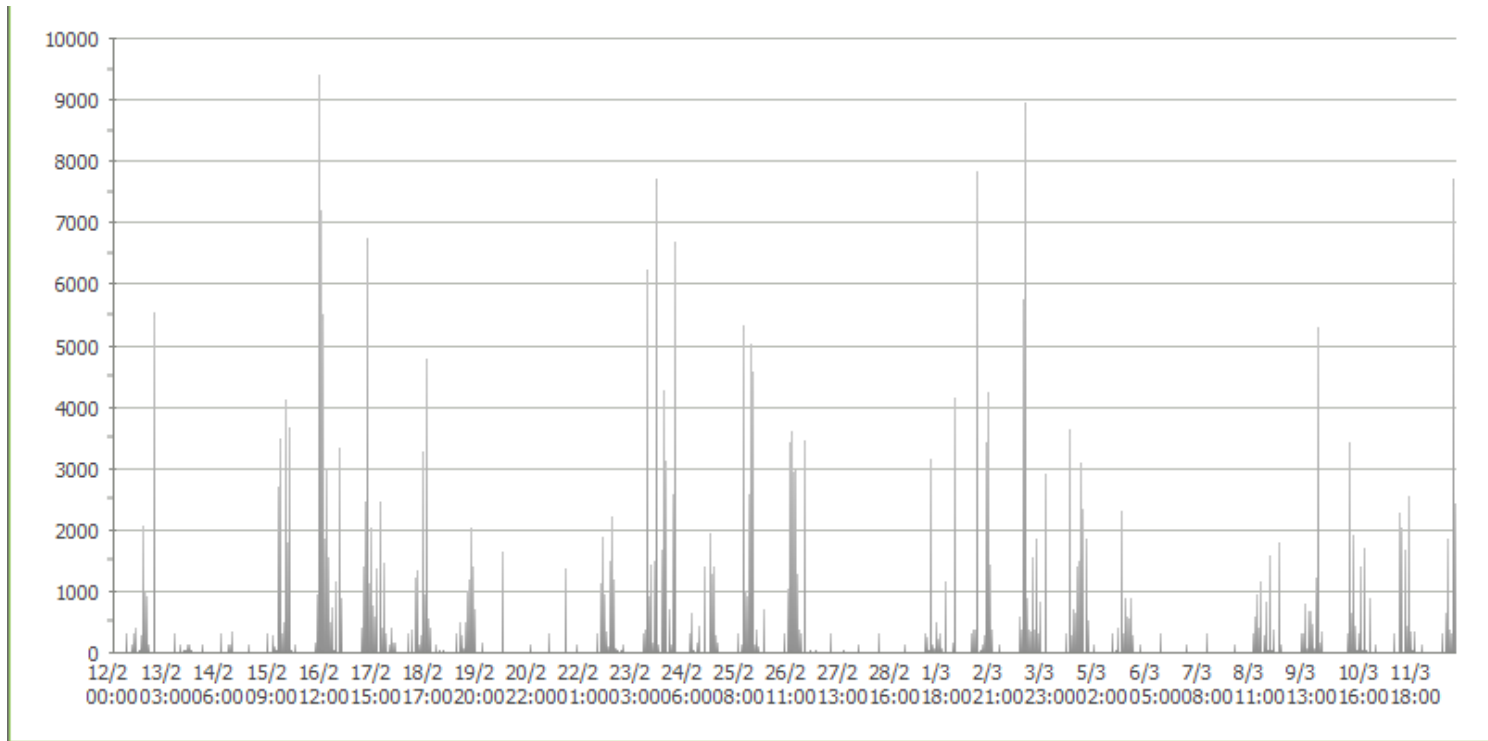Successful commits / hour (last month)
~ up to 260 commits per day

Changed templates / hour (last month)

Changed profiles / hour (last month)

CF

CERN**IT**
Department

Django-based Search tool for CDBSQL
By David Rodrigues (SQLAlchemy)

Search CDB

Choose search field	Cluster Name ▼	Equal ▼	----Select---- ▼	And ▼
Choose search field	----Select---- ▼	Equal ▼		And ▼
Choose search field	----Select---- ▼	Equal ▼		And ▼
Choose search field	----Select---- ▼	Equal ▼		And ▼
Choose search field	----Select---- ▼	Equal ▼		And ▼
Additional path		Equal ▼	

Display information   ● Default   ○ Custom

☐ Accounting Name ☐ Architecture ☐ Cluster Name ☐ Cluster Subname
☐ Cluster Type ☐ Contract ID ☐ Contract Type ☐ Domain
☐ Gateway ☐ Hardware Model ☐ Hardware Type ☑ Hostname
☐ IP Address ☐ Importance ☐ Kernel Version ☐ Location Room
☐ Netmask ☐ Network Domain ☐ Network Hostname ☐ No Contact Timeout
☐ Operating System ☐ Ping Timeout ☐ Quattor Managed ☐ Rack
☐ SURE Status ☐ Serial number ☐ Service Manager ☐ Stage
☐ State ☐ System Function ☐ User Contact ☐ Vendor

Quattor   ● All   ○ Quattor Managed   ○ Non-Quattor Managed
Ordered by   Hostname ▼
Output   Webpage - HTML ▼

HTML, Excel or XML output

[Search] [Reset]

NOTE: The OR operator has greater precedence than the AND operator, meaning that all OR operations will be inside brackets.

CF

- Work by Daniel Lenkes, with the help of Luis Mejas.
- ~<3 days.
- Test with one profile and CERN template tree structure
- Observations
  - We had to move the profiles from /profiles/ to /cluster/xxx/profiles: is it mandatory or can that be configured ?
  - Svn commit and deploy should be an atomic transaction
    - What happens if the deploy process fails?
  - Svn acls at the level of directories and not files is a disadvantage
  - Stages prod/preprod/test heavy: need to copy the full cluster tree, cluster per cluster. How do you handle 100 clusters ?
  - Advantages:
    - Build-in acl's
    - Local panc compilation allows access to log files and debugging tools

CERN Status, Quattor Workshop <#>

- Pkg_add, pkg_repl (https://savannah.cern.ch/bugs/?64229)

  – Suggest to discourage the use of explicit versions, by

    - adding "reason" and "date" parameters to pkg_add/pkg_repl for those cases were the version is given (and make these two mandatory) - these need to be used to document _why_ a default version isn't being used. Ideally insist on a recognizable Bug#id/Ticket to ensure that the item is really tracked somewhere..

    - making pkg_add/pkg_repl give a WARN in case an explicit version is being used (perhaps exempt some templates (such as .../component/NAME/config), so that a "designated maintainer" can override a default).

CF

- Can we agree on a policy for change announcements (new version of components etc)?

- Seems that there is more traffic on quattor-grid than on quattor-discuss: do we really need 2 mailing lists ?

- At CERN: we will setup a Forum for user support