Samba 4 Status Update

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Samba Team

May 17, 2010
Our 7th update

- Samba 4 was started in 2003
- This is the 7th Samba 4 status update
Our 7th update

- Samba 4 was started in 2003
- This is the 7th Samba 4 status update
  - ... and hopefully the last before 4.0
Agenda

Progress in the last year
  Franky
  Samba 4 itself

Future plans
Outline

Progress in the last year
Franky
Samba 4 itself

Future plans
http://wiki.samba.org/index.php/Franky

- Effort to make Samba 3 and Samba 4 work together
- Started after SambaXP 2008
- Development has stalled in its current form
- Some very positive outcomes though
  - Easy to build `smbtorture4` from Samba 3
  - Putting both branches in a single tree
  - Several subsystems are now shared between both branches
## Common code

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</table>
Outline

Progress in the last year
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Future plans
2010 was a good year

- Directory replication works!
- Significantly more external contributions
- More users
More alpha releases out (4)
  - plans to release alpha12 soon
More early adopters and testers
Database changes have slowed down
  - Upgrade script is available to upgrade between revisions
Infrastructure improvements

- New build system: waf
  - Significant time-safer during development
- Test infrastructure now uses Subunit protocol
  ([http://launchpad.net/subunit](http://launchpad.net/subunit))
Summer of Code 2009

- **Ricardo Velhote**: SWAT (in Python)
  - Project still active
    ([http://github.com/rvelhote/GSoC-SWAT](http://github.com/rvelhote/GSoC-SWAT))
- **Calin Crisan** GTK+ Samba frontends
  - Still needs to be merged back into mainline
    ([http://github.com/ccrisan/samba-gtk](http://github.com/ccrisan/samba-gtk))
- GTK+ LDB frontend (failed)
Languages

- C: 1,246,626
- Python: 52,583
- Perl: 22,823
- Shell: 7,249
Towards a common codebase

- 4.0 will be a combination of the existing `source3/` and `source4` codebases
- Samba 4 directory server
- Samba 3 fileserver and printing
- Still undecided as to how the two will communicate
  - In-process, using clever linking tricks
  - Via named pipes, Franky style . . .
Summer of Code 2010

http://wiki.samba.org/index.php/SambaGtk

- **Samba-GTK**: Improvement of GTK+ SAM frontend and registry editor
Developers

- Development team has grown significantly in the last year
- Significant number of external contributors are to the Python code
Demo time
More information

Please let us know when you hit bugs:

IRC  samba-technical on irc.freenode.net
E-Mail  samba-technical@samba.org
Bugzilla  https://bugzilla.samba.org/

Help us improve the Samba 4 documentation:

Wiki  http://wiki.samba.org/index.php/Samba4