

Samba 4 Status Update

Jelmer Vernooij



May 17, 2010

Our 7th update

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

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- ▶ This is the 7th Samba 4 status update
 - ▶ ... and hopefully the last before 4.0

Agenda

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Progress in the
last year

Franky

Samba 4 itself

Future plans

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Outline

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<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

| | 2009 | 2010 |
|-----------------|----------------|----------------|
| Common | <i>536,251</i> | <i>801,266</i> |
| . Autogenerated | <i>468,634</i> | <i>652,881</i> |
| Samba 3 | <i>410,452</i> | <i>401,457</i> |
| Samba 4 | <i>401,692</i> | <i>382,358</i> |
| . Heimdal | <i>98,398</i> | <i>102,436</i> |

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2010 was a good year

- ▶ Directory replication works!
- ▶ Significantly more external contributions
- ▶ More users

Samba 4 Release Status

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

- ▶ 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

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Infrastructure improvements

- ▶ New build system: waf
(<http://code.google.com/p/waf/>)
 - ▶ Significant time-saver during development
- ▶ Test infrastructure now uses Subunit protocol
(<http://launchpad.net/subunit>)

- ▶ *Ricardo Velhote*: SWAT (in Python)
 - ▶ Project still active
(<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>)
- ▶ 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 . . .

<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

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More information

Please let us know when you hit bugs:

IRC [samba-technical on irc.freenode.net](irc://irc.freenode.net/samba-technical)

E-Mail samba-technical@samba.org

bugzilla <https://bugzilla.samba.org/>

Help us improve the Samba 4 documentation:

Howto <http://wiki.samba.org/index.php/Samba4/HOWTO>

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