Samba 4 — Where are we now?

Andrew Bartlett
Jelmer Vernooij

Samba Team

April 22, 2009
Agenda

Recent releases

Changes in the last year

Testing and providing feedback
Samba 4 Alpha 8

- Containing the full AD schema, matching Windows 2008
More than just a TP:

- We are getting real feedback on things people want and need
- Basic features are complete
- Actually used in some environments
- More developers and testers
- Developers outside the team: OpenLDAP backend scripts in particular
Better development resources

- Microsoft Documentation now available under PFIF
Code Coverage

Two years ago:
41.5%
135817 lines covered
326916 lines total

Last year:
39.6%
158559 lines covered
400287 lines total

- Coverage hampered by generating lots of SWIG wrappers
- While still keeping ejs wrappers
- Python coverage?
The merged build

- Samba4 and Samba3 now share a source tree
- This has made it much easier to share code between Samba3 and Samba4
LDB Improvements

- Extended DN support
- Group Policy
  - Helped by importing the full schema
- Better attribute generation
  - parentGUID generated and maintained
  - possibleInferiors now dynamically generated
LDAP Backend Improvements

- Autoconfiguration of backends
- OpenLDAP configuration generated to support:
  - Replicated backends
  - In-directory configuration
- Schema Validation
  - Primary benefit of LDAP backend so far is OpenLDAP doing full schema checks
Security

- Improvements:
  - SSL on modern GnuTLS now fixed
- Regressions:
  - XX
Group Policy and MMC

- Microsoft’s User and domain management tools work
- Group Policy
  - Active Directory clients honour (some) policies
  - That is, I can hide the recycle bin...
Alpha releases

- Samba4 alpha8 released late April
  - First release with new full schema
Beta release

- Samba4 beta1 planned, but no timeline specified
- Features
  - AD DC, with inbound real-time replication
  - File Server
  - Domain Member server
- We need to extend this list with your ordered feedback
  - What would stop you deploying Samba4 in production
Feedback as a driving force

- User feedback over the past few months has driven Samba4 forward
- We are at the stage where we need to be told what does not work
  - And in particular, what would stop you using Samba4
Areas that need testing

- Interactions
  - With all windows versions
  - With Samba3
  - With Unix and MacOS clients
  - With 'integration' software such as Likewise and Centrify
  - Long installations
    - Only recently found password expiry bugs, for example
Feedback

Please let us know when you hit bugs:

- **IRC**: Come talk to us in #samba-technical on irc.freenode.net.
- **Bugzilla**: Submit bugs at https://bugzilla.samba.org/.
- **Mailinglist**: Send email to samba-technical@samba.org.
- **SambaXP**: We’ll be around until Friday