

Samba 4 — Where are we now?

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Samba Team

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Agenda

Recent releases

Changes in the last year

Testing and providing feedback

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Samba 4 Alpha 8

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- ▶ Containing the full AD schema, matching Windows 2008

Samba 4 Alpha releases

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Testing and
providing feedback

- ▶ 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

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- ▶ Microsoft Documentation now available under PFIF

Code Coverage

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[Recent releases](#)

[Changes in the last
year](#)

[Testing and
providing feedback](#)

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

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[Recent releases](#)

[Changes in the last
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[Testing and
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LDB Improvements

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

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[Recent releases](#)

[Changes in the last
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[Testing and
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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

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[Changes in the last
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[Testing and
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Security

- ▶ Improvements:
 - ▶ SSL on modern GnuTLS now fixed
- ▶ Regressions:
 - ▶ XX

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Group Policy and MMC

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- ▶ 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

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Beta release

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- ▶ 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

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- ▶ 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

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[Recent releases](#)

[Changes in the last
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[Testing and
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▶ 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