



SAMBA

opening windows to a wider world

Samba WIP
(Work in Progress)

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Lots of progress!

- New features in Samba4 in the last year
 - dcpromo works!
 - roaming profiles and group policies
 - vampire from w2k8r2
 - bi-directional DRS replication
 - encrypted dynamic DNS
 - knowlege consistency center
 - sites support
 - and much more
- Did you know?
 - The Samba Team has committed over 9237 changes in the last year
 - In that time 890k lines of code have changed in 6900 source files

dcpromo works!



Why replication matters

- Last year ...
 - Samba could be a basic AD domain controller
 - Deployments required complete conversion to Samba
 - only suitable for greenfield sites
- With DRS replication
 - Can deploy Samba as an additional DC
 - You can test Samba, and back out if problems occur

Let's see a demo!

What's next?

- Priority areas for Samba4 AD
 - RODC support
 - multi-domain forests
 - sysvol replication
 - SFU attribute support
 - upgrade from Samba3 RPC domain
 - DNS partition integration with bind9
 - Linux admin interface

The rise of python

- Python all over ...
 - Accelerated adoption of python for scripting Samba
 - Used for test suites, provision, net commands and more
 - Extensive bindings to Samba C libraries
 - makes external contributions to Samba easier
- waf build
 - based on python 'waf' tool
 - gains us lots of new features
 - correct dependencies, cross compiling, parallel builds, ABI checking, better library handling
 - reduces size of Samba4 build from 1.1G to 110M

Unifying Samba3 and Samba4

- Samba4 is a great DC
 - but what about file serving and printing?
 - Samba3 has made a lot of progress in the last few years
 - can we get the best of both into a release?
- Different approaches
 - 'Franky', a combined build and runtime
 - s3compat – using linker magic

s3compat

- Samba3 as a component of Samba4
 - build Samba3 as a shared library
 - use linker tricks to avoid shared libs
- What does it give us?
 - Samba3 file server works in Samba4
 - also gives us printing!
 - and soon should give s3 winbind too

Let's see a demo!

More information

- Useful links

- Samba4 HOWTO: <http://wiki.samba.org/index.php/Samba4/HOWTO>
- Demo Videos: <http://wiki.samba.org/index.php/Samba4/videos>
- s3compat: <http://wiki.samba.org/index.php/Samba4/s3compat>
- WAF build: <http://wiki.samba.org/index.php/Waf>

Time for more demos? or questions?