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
  - WAF build: http://wiki.samba.org/index.php/Waf

Time for more demos? .... or questions?