Samba4 towards a release

An update on Samba as a AD DC

When to release?

- Active debate within (and outside!) Samba Team

- AD features ready, but what about non-AD features?

- Main debate is around the file server code

A single Samba

- Merged build system installs all Samba binaries

  - Combined total is smaller than the Samba 3.x build

- Plugin modules provide AD with 's3' file server

  - The practical basis for a 'does everything' deployment

Combined testing

- Testing of full AD semantics
- Samba3 tested against Samba4

Common security subsystem

- Merge of GENSEC in to Samba3

- Common GSSAPI, NTLMSSP interfaces

  - Slowly undoing the mistakes of 2002

  - Merge of Samba3/Samba4 auth subsystems

- Common internal structures

  - struct auth_session_info

  - struct security_token

- Common ACL evaluation logic

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Subdomain support

- Core focus of AD Plugfest (Sep 2011)
- Successful demonstration
- Still some way from production

Samba3 upgrade

- Automated upgrade from Samba3 domains

  - No need to change or reset passwords

  - Full user and group import

  - Posix ID import

  - Transparent to clients

    - Just like an AD upgrade from NT4

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DNS integration

- bind9_dlz is now real

  - Kerberos dynamic DNS

- Internal DNS server

  - Supports unauthenticated dynamic DNS

- Both options provide

  - Replication with the rest of the domain data

  - No need for a single point of failure

Roadmap

- Samba 4.0 will I believe be our next release:
  - Fileserver
  - Print server
  - NT4-like DC
    - With modern crypto to support Windows 7
  - AD DC
- A combined release with the best of everything

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Management Tools

- 'net' is now samba-tool

  - Avoids confict with the net from s3, which remains

- Big improvements in usability

- Consistent online help

- Much improved error checking

- Many more diagnostic tools

  - samba-tool dbcheck

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Lies, damn lies and statistics

- In the past year, across all of Samba:
  - 7940 Commits
  - 800,000 lines of code changed
  - More than 70 Authors

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Questions?

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