Updates on Samba
http://news.samba.org/

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What have we been doing?

- Average 4 month release cycle for upgrade releases
  - 3.0.14a => Apr 14, 2005
  - 3.0.20 => Aug 19, 2005
  - 3.0.21 => Dec 20, 2005
  - 3.0.23pre1 => Apr 22, 2005

- Diff between 3.0.14a to 3.0.23pre1 is 60% of the total lines of code
  - 10 – 15% of the code tree is new

- New services
  - Eventlog, service control, registry, perfmon, & usershares

- Improved services
  - oplocks, winbindd, local groups, performance, etc...
#IRC

- Updates on the Samba 3.0 release schedule
- What is the relationship between the SAMBA_3_0 and SAMBA_4_0 source trees?
- There's a wiki?
- Google's Summer of Code 2006
- How can I help?
Samba 3.0.x

- Samba 3.0.23 is estimated to ship by the end of May
- The current work cycle appears to be
  - Four months for upgrade releases
  - Letter releases (bug fix and patch releases) as needed
- New features on the horizon
  - Backport IDL support from SAMBA_4_0
  - New \unixinfo rpc pipe
  - Cleanup parameters in smb.conf
Samba Labs

● Large misunderstanding on the relationship between Samba 3.0 and the SAMBA_4_0 source tree

● SAMBA_4_0 is
  □ A hotbed for research of Active Directory domain control
  □ A successful experiment in CIFS & MS-RPC protocol coverage
  □ A buffet of useful subsystems (pidl, talloc, ldb, etc...)
  □ The architectural blueprint for future Samba releases
  □ etc ...

● Samba 3.0 is
  □ The production server development tree
Rules of Windows Interop

- Rule #1
  - You don't know what is required fully until you implement it once.

- Rule #2
  - What you thought you knew will probably change in the next service pack.

- Rule #3
  - "Feature for feature, bug for bug."
Why re-implement \{ldap, krb5\}?

- See Rule #1 on previous slide
- The goal is to implement an AD DC
  - Enough krb5 & ldap to do the job
- La Biblioteca de Samba
  - Library of knowledge for other open source projects
  - SAMBA_4_0 is a incomplete prototype of AD requirements
Wiki, Wiki, Wiki

- Samba user community Wiki
  - http://wiki.samba.org/
  - Managed by volunteers on the samba@samba.org ml
- Potential to move other small project sites such as ldb to a wiki based infrastructure
Google's Summer of Code 2006

- http://code.google.com/soc/
  - Fund students to work on open source projects between US spring and fall terms (May - Aug)
- Samba mentored six students during SoC 2005
  - libmsrpc, smbctool, cifs fs, etc...
- Hoping to repeat the same number of students again
  - Open submission for students starting May 1
- Samba project ideas at
  - http://www.samba.org/samba/projects/summercode06.html
- Possibly make use of the bazaar-ng DSCM tools for managing student projects
  - Explore for use by other Samba developers
Getting involved

● Coding
  ❑ Pick a bug or a feature and discuss your work on the samba-technical@samba.org ml

● Testing
  ❑ Test early and often
  ❑ Report bugs via https://bugzilla.samba.org/

● Helping
  ❑ Write (or correct) some documentation
  ❑ http://wiki.samba.org/
  ❑ samba-docs svn module

● Companies
  ❑ Support your local Samba developers
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