

The Samba logo is displayed in a bold, white, sans-serif font. The letter 'S' is stylized with a horizontal line passing through its middle. The letters 'A', 'M', and 'B' have a similar horizontal line through their centers. The 'A' and 'M' have a slight shadow effect. The background of the logo area is a dark grey rectangle.

SAMBA

opening windows to a wider world

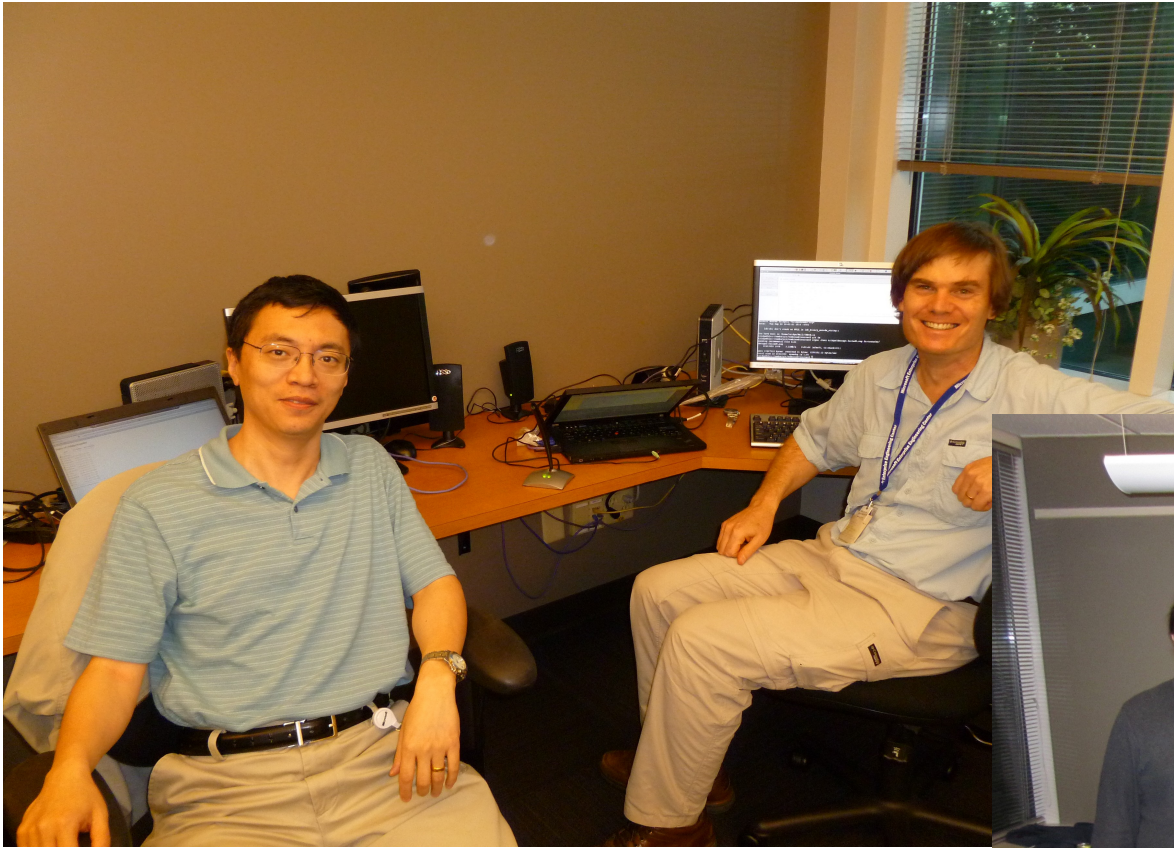
Samba4 Status

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A great year!

- Highlights from the last year
 - RODC support
 - bind9 intergation
 - autobuild commit system
 - wintest
 - lots of build system changes
 - expansion of production deployments
- Very active development
 - The Samba Team has committed over 10000 changes in the last year
 - In that time 830k lines of code have changed in 6300 source files
 - December 2011 will mark 20 years of Samba development!

AD plugfest September 2010



RODC support

- Read-Only Domain Controller
 - major effort in last year to add RODC support
 - support both Samba as an RODC, and having Windows RODCs in a Samba domain
- Branch office
 - RODCs are perfect for branch offices
 - provides AD services when link to central office is down

bind9 integration

- DNS was the most reported problem
 - Lots of users had problems configuring kerberos dynamic DNS updates
 - Worked closely with bind9 team to develop solutions
 - bind 9.8.0 includes over 40 patches from Samba team
- New bind9 DLZ system
 - added support for read-write loadable backends in bind9
 - built Samba bind9 module, storing DNS directly in AD format
 - new DLZ system decouples release of bind9 modules and bind9 itself

wintest

- Automated testing against windows
 - up to now, testing against Windows has been manual
 - new 'wintest' system developed allowing for scripted testing against a wide range of windows systems
 - based on 'pexpect' python scripting system
- Testing the S4 howto
 - wintest script to test the steps of the Samba4 howto
 - includes DC, RODC, join, dynamic DNS and other key features

autobuild

- Saving developers sanity
 - building and testing Samba takes a long time
 - complexity of code base led to many breakages of master git tree
- autobuild commits
 - all commits to Samba now go via autobuild
 - commits are automatically delayed until they pass all tests on all development branches
 - makes life much easier for developers!

build system

- Advanced build features
 - automatic library version handling
 - automatic symbol versioning of libraries
 - detection of duplicate and conflicting symbols
- new top level build
 - All of Samba now built at top level
 - builds on top of s3 waf build
 - large effort to remove duplicate symbols and merge between s3 and s4 code

Production users

- Lots more production users in the last year!
 - Great for finding serious production bugs
 - Good feedback on priority of new features
 - great motivation for developers!
- What does production usage find?
 - subtle bugs that don't happen in standard testing
 - for example, disconnected DCs causing record conflicts
 - added support for AD 'conflict records' as a result of production feedback

What's next?

- pre-release:
 - need to choose S3 file/print server integration method
 - documentation, howtos etc
- release!
 - we missed our target for releasing at this SambaXP
 - but should be able to release in next 6 months ...
- post-release:
 - multi-domain support (real AD forests)
 - sysvol replication (currently need to use rsync)
 - scaling to large numbers of users and DCs

More information

- Useful links

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

questions?