

Subversion 1.7 and the future of features

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Agenda

- Why Subversion 1.7 is important?
- New features in 1.7 overview
- Distributed versioning and Subversion
- Roadmap
- Subversion and corporate world

Importance of Subversion 1.7

- Refreshes design
- SQLite
- Significant performance improvements over `http://`

New features in Subversion 1.7

- WC-Ng
- HTTPv2
- svn patch
- Apache 2.0

Working Copy

WC-1.0

- libsvn_wc is old (10 years)
- The code is very slow
- Evolved a lot
- Maintenance overhead
- Feature additions are hacky

WC-NG

- Working Copy next generation library
- Implemented with sqlite
- Centralized administration

Advantages of WC-NG

- Speed
- Centralized storage of meta-data
- No scattering of svn meta-data inside wc tree
- Sane developer APIs
- Future of Features

HTTPv2

- Improved http:// layer
- Reduced round-trips
- Maintains compatibility

svn patch

- We already have 'svn diff'
- Built-in, We hear you doze devs!
- Tree changes are captured accurately
- Support more patch formats in future like git diffs

New license

- We have a new license!
- Apache 2.0
- No chaos over licensing
- Thanks to CollabNet and full committers

Distributed versioning and Subversion

- Simple answer is: Not right now!
- Not everything but the compelling ones

Roadmap

- Shelving / Checkpointing
- Rename tracking
- Compressed pristines
- Repository-dictated config
- Tree conflict improvements

Subversion and corporate world

- We are centralized - better auditing
- We have strict access control - path based
- Source is safe with the company

Thank You

Thank You!