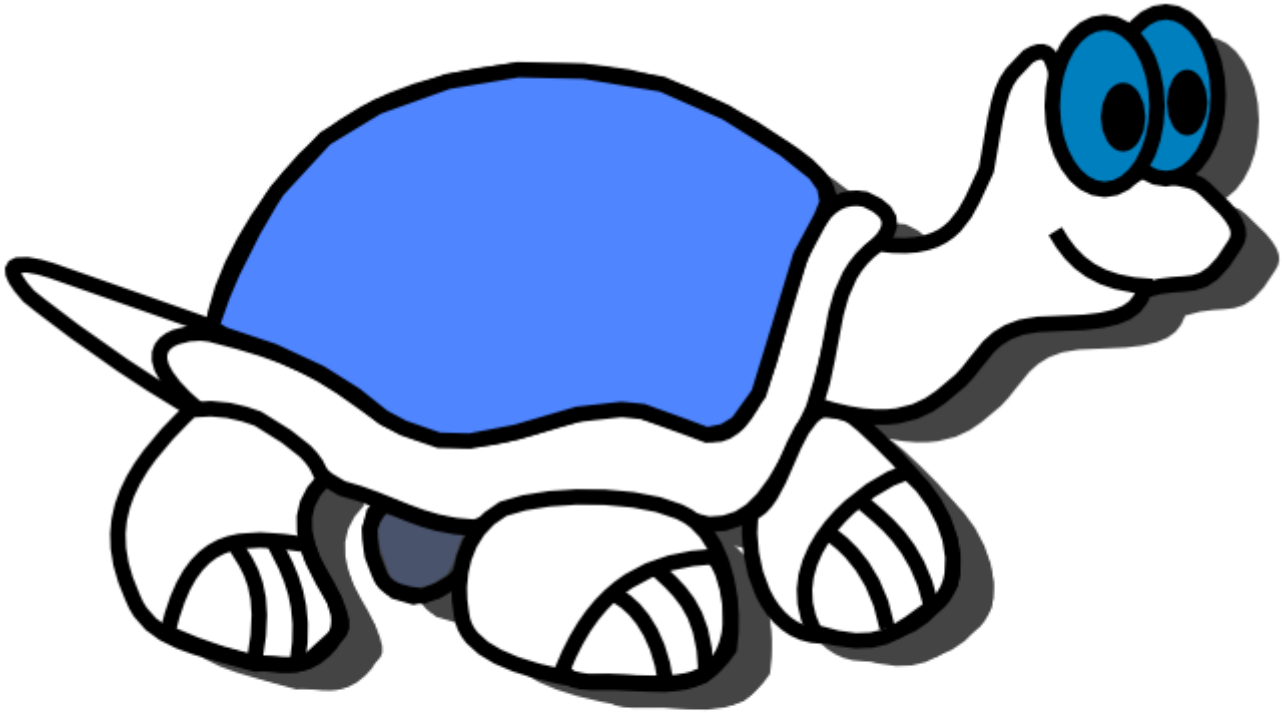
1.7 and Beyond



TortoiseSVN

What is TortoiseSVN

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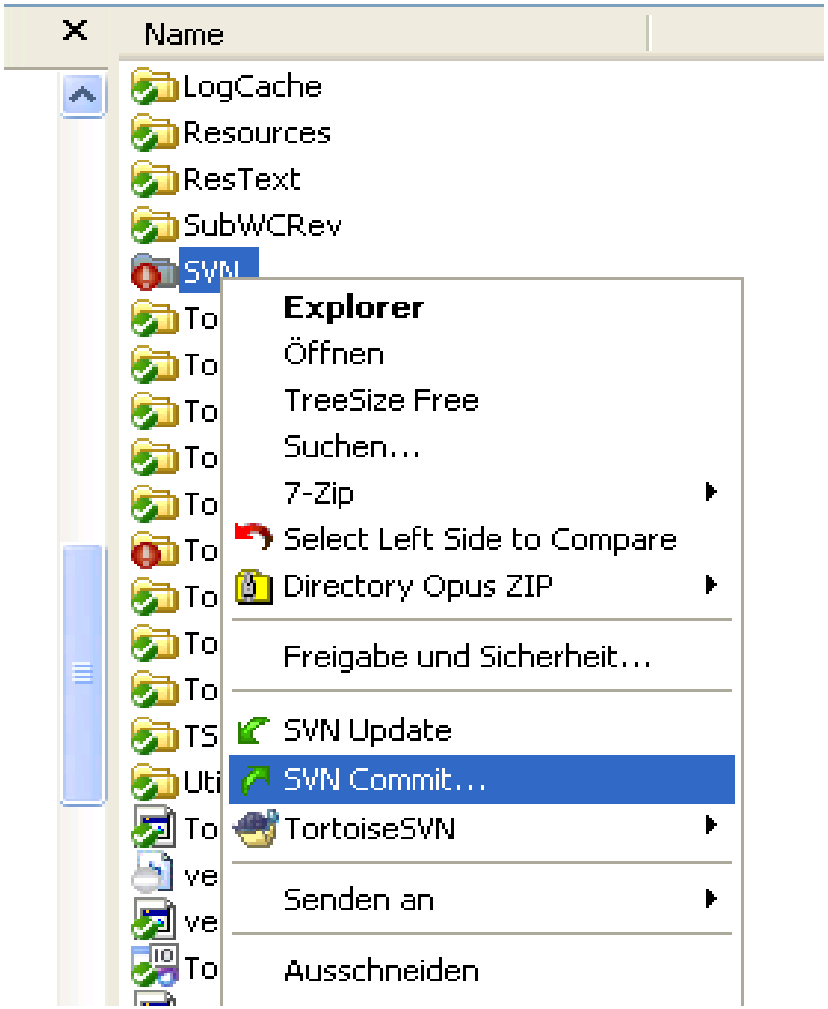


- *The* SVN client on Windows
- Integrated into Explorer
- Indicate w/c state as overlay
- Accessible from any application

- Exceeds basic SVN functionality

- Extensive documentation
- Available in > 30 languages

What Happened Since 1.6.0

- 22 months of development
- 4159 commits (1868 src, 2291 doc and others)
- 48 new features
- 16 feature improvements
- 2 unreleased bug fixes

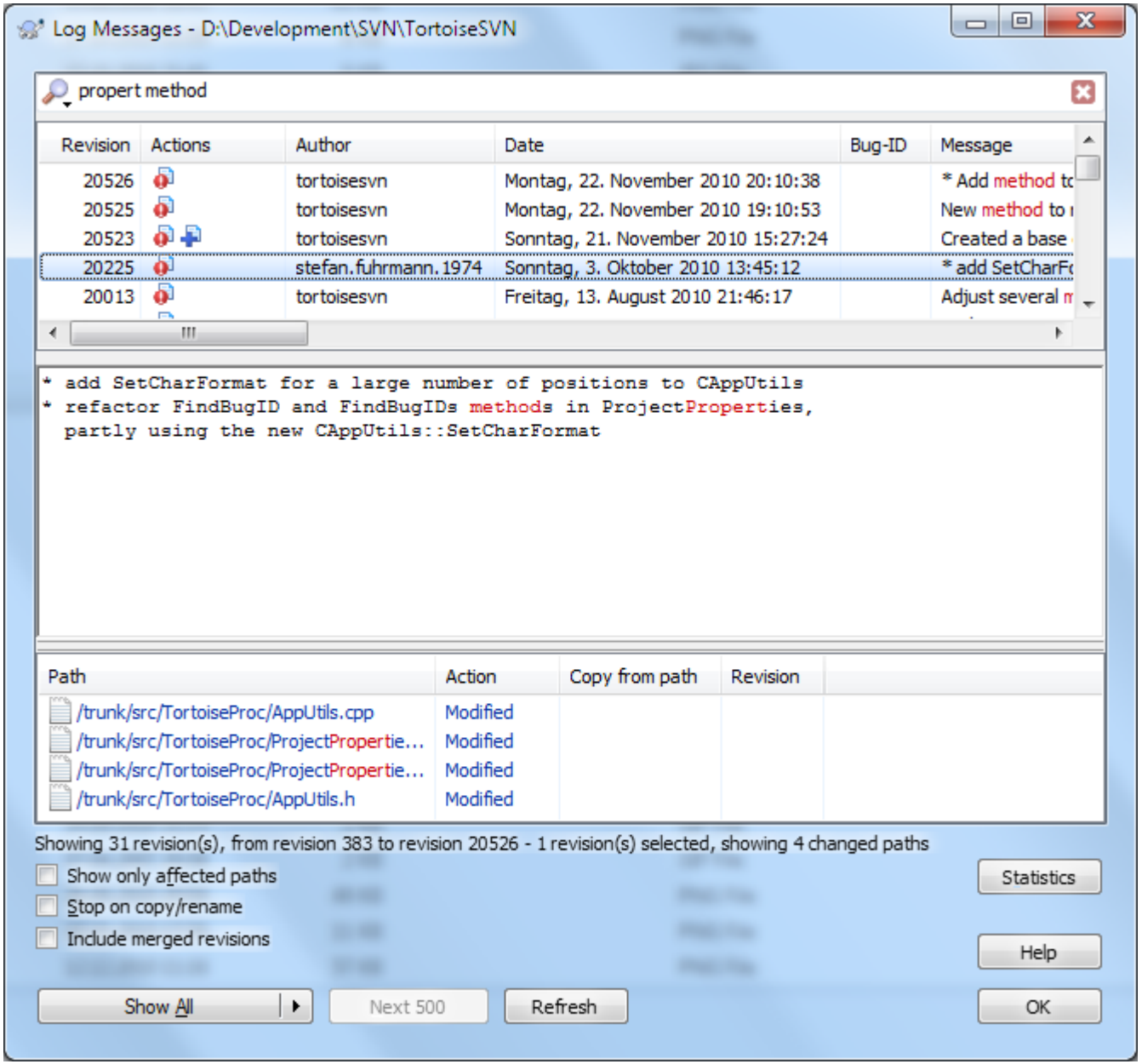
- 116 bug fixes and 16 other changes released in 1.6.x

(statistics as of 2010-01-05, revision 20666)

New in 1.7.0

- Full SVN 1.7 feature support
- Log dialog
  - fast even for > 1 million revs
  - search-engine-like complex filter
  - highlight matching strings
  - multi-select displays shortened summary of messages
  - revisions mentioned in messages are turned into links
  - export of changed items

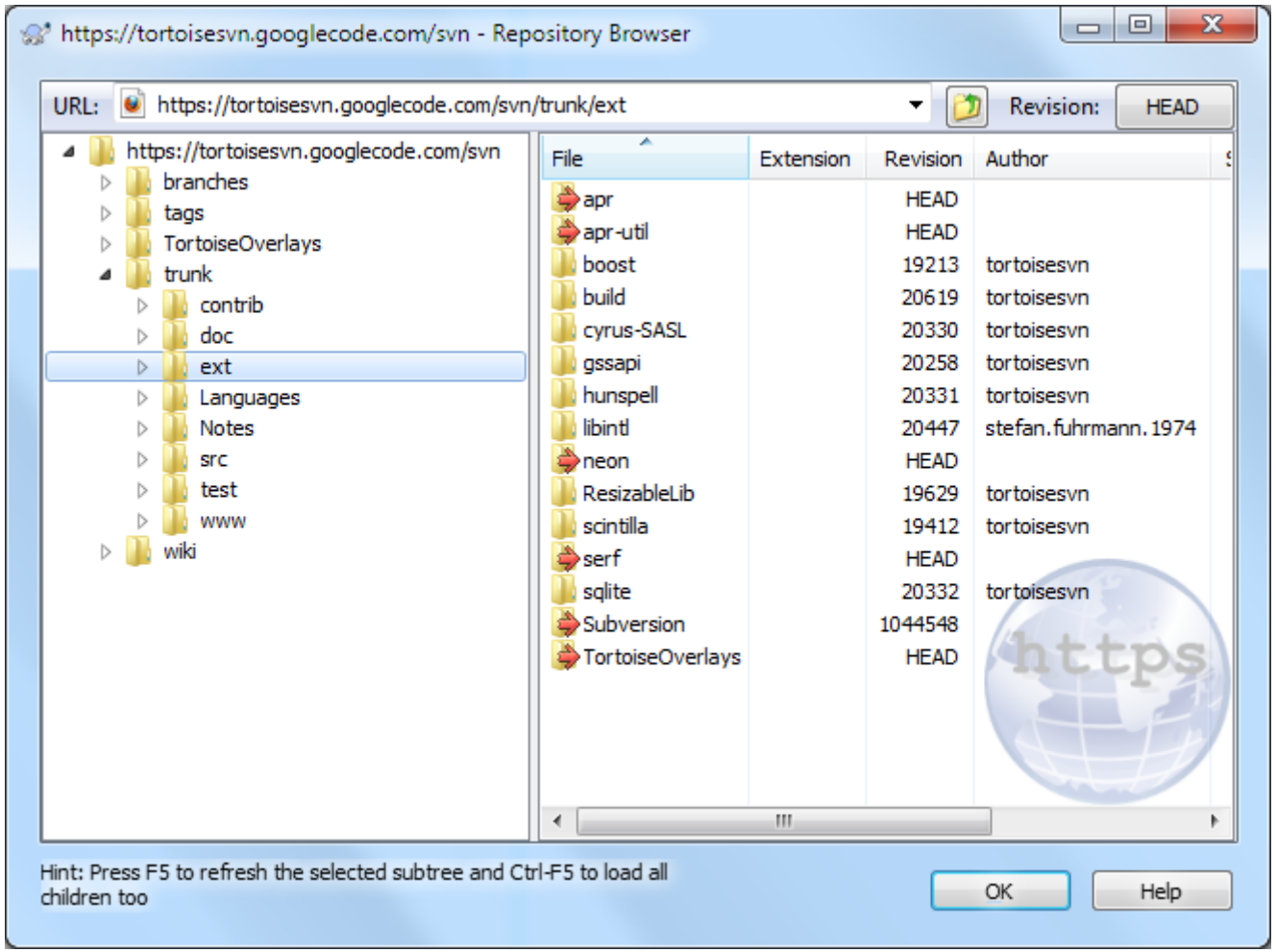
Log Dialog Demo



New in 1.7.0

- OS support
  - Windows 7 Aero look and libraries
  - 64 bit installer also includes support for 32 bit applications
- Repository browser
  - shows svn:externals as sub-trees
  - edit files directly
  - drag to explorer to create an URL link
  - pre-fetch sub-folder content using parallel queries

Repository Browser Demo



Workflow Enhancements

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- Adjusting externals to a fixed revision when branching or tagging
- Check-out dialog supports single files and multi-select
- New dialog for sparse checkouts
- Offer automatic update and retry if a commit failed due to an outdated working copy
- More command line options
- TortoiseUDiff can operate from stdin ("pipe")

Other Improvements

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- Custom dialogs to edit specific properties
- New, particularly small, overlay icon set
- Option only to add the TSVN menu items for SVN w/cs
- URL handler for TSVN commands

- Various small improvements all over the place, e.g. TMerge
- More general feature availability

1.8 and Beyond

Fast and Efficient

- Further SVN speedup allows for pre-fetching logs and w/c data
- Off-line commits open a whole new world of possibilities

- New client-side features, e.g. partial file commits

- Streamline workflows
  - Reduce clicks and UI complexity
  - Re-use information like last URLs everywhere
  - Display repository content inside the Explorer

Chatty Cathy – A Wild Idea

- Aim-like application fed from TSVN and user-defined agents
- Inform user on various events and suggest SVN actions
  - Check-in by other user
  - Detect [potential] conflicts and required updates
  - User-defined checks on properties
  - Suggest commits
- Accept / reject / postpone suggested actions with a single click

(T)SVN in 2020

- SVN can be the fastest and most powerful SCM system
  - Servers can afford for expensive HW and optimizations
  - Cascading repository setups (i.e. DVCS) feasible
  - C/S architectures tend to handle multi-core clients better
- Maybe, learn the difference between content and containers
  - Users modify code and documents (content)
  - Most SCM systems manage files (containers)
  - Mismatch makes changes like refactoring hard