Integrated Version Control and Bug Tracking with Subversion and FogBugz

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Taming Instrument Development With Version Control Software

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Subversion 101

- Version control software
- Open source
- Client / Server
- Files to edit are pulled down from server, modified locally, then submitted back to the server repository
- Server merges local version changes and manages revision history
FogBugz 101

- Web-based bug tracking system
- Can run local or hosted at Fog Creek Software
- Closed source [1]

[1] Can hack PHP if run locally
Subversion and FogBugz Integration

• New versions of code can refer to specific bug IDs from the bug database

• FogBugz interface links to the code database
Bug Lifetime

Interviewer / Debugger

Programmer

FogBugz

Subversion

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Demo
System Requirements

- Subversion
  - Server
    - Free software
    - UNIX or Linux preferred (LAMP)
    - Windows possible
  - Client
    - Free clients for all major OSs
    - Tortoise SVN for Windows
    - Support in most IDEs

- FogBugz
  - Server
    - Windows, Linux, Unix
    - IIS or Apache
    - PHP
  - Cost
    - $25 per user per month hosted or $200 per user if run locally (plus discount for academic and non-profit users)
Conclusion

• Version control software is very, very useful
• Fogbugz has been great
• Thus ends my odyssey
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