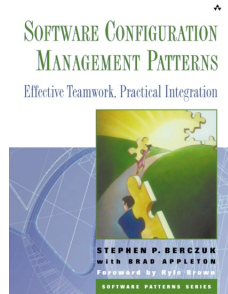


SCM and Agile Software Development



Steve Berczuk



Steve Berczuk



Steve Berczuk is the co-author of the book *Software Configuration Management Patterns*.

He is an expert on Agile development techniques and works in the Boston area.

Good Software Configuration Management Tools are Essential to Agile Software Development

The Agile Manifesto

- ***Individuals and Interactions over Processes and Tools***
- *Working Software* over Comprehensive Documentation
- *Customer Collaboration* over Contract Negotiation
- *Responding to Change* over Following a Plan

Agility and SCM

- Agile Methods emphasize:
 - Feedback
 - Communication
 - Process that adds value
- Agile SCM
 - Simple and effective SCM
 - Enables development
 - Not only for agile teams
- Balance Feedback and Stability

XP Values

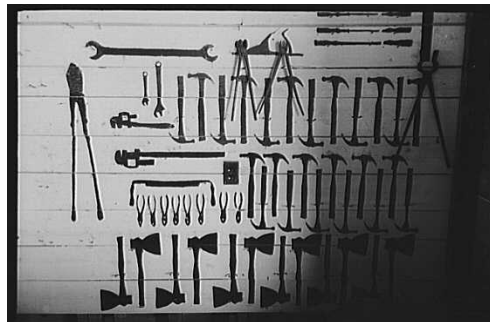
- Simplicity
- Communication
- Feedback
- Courage

SCM Activities & Agile Teams

- Coordination
- Version Management
- Build Management
- The right amount of Configuration “Management”

Tools

- Tools Enable
- Process First
- Transparency
- Efficiency/Speed

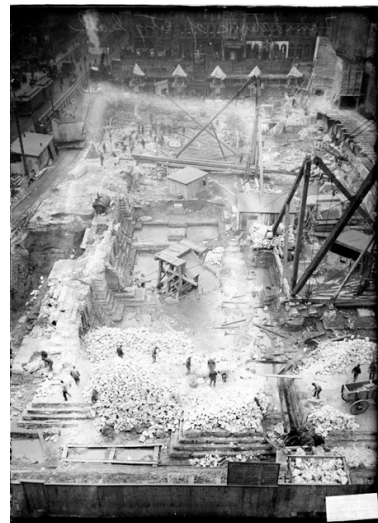


Criteria for a Good Agile Tool

- IDE Integration
- Integration with a variety of CI and Build Tools
- Integration with your work flow

Key Development Practices

- Codeline Structure
- Private Workspace
- Build
- Test
- Deploy
- (Automate)



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