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Tieto

• 18 000 employees
• Nordic countries in north Europe, Russia, Poland and specific activities in 30 countries

Where I work

• Typical customers are global big network equipment providers
• Open source strategic decision
• 500 tools developers
Experiences

- Gerrit customization
  - Examples
    - Customized the topic feature
    - Staging feature
    - Diff view improvements
    - Proof of concept of automatic UI testing

- Uses Gerrit in several projects internally
- Gerrit is included in our hosting offerings
Definition of Enterprise ready

- Large companies can’t always run latest version
- Technical aspects
  - Stable systems
  - Fault tolerant
  - Configuration and extension
- Project Way of Workings
  - Transparancy
  - Opennes
Desirable improvements

Quality Assurance

- Improved performance and stability
- Test
  - Automatic UI test suite
- Project plan
  - Clear roadmap
  - Known features in new releases
    - Core team input
    - Community input
    - Committed, proposed items
  - Maintenance releases
    - Only bugs correction
    - Issues that affect the performance and stability
- Milestone, Integration and Nightly builds like eclipse foundations projects
Desirable improvements

Quality Assurance

- Traceability of 3rd part tools used in gerrit
Desirable improvements

Project WoW

• Project transparency
  • Easy to find project information
  • Project governance
  • Decisions by the project team

• Openness
  • Receptive to new ideas from the community
  • Welcome new contributors/committer
  • Make it simple to be a contributor
    • How to setup environment
    • Code rules
    • Checklists
Desirable improvements

Customer needs

- Plugins

Example:
Change a component to their own designed component

Example:
- New menus
- Decorators
- New views

Example:
Add new feature
Desirable improvements

Customer needs

- Better support for tags in Gerrit
  - Submit action types
    - Fast-forward
    - Cherry-pick?
  - Create new tags
    - Gerrit, client or both?
  - What to do if the tag already exist?
    - reject the push, or the submit, or perform the submit but do not set the tag or move the tag
Desirable improvements

Customer needs

- Database transaction support

If the database has transaction support then Gerrit should support that to

MySQL

Factory → HJDBC → JDBC
HJDBC → JDBC
HJDBC → JDBC
HJDBC → JDBC
Conclusion

- Challenges for gerrit community (= for all of us)
  - Gerrit is Business critical
  - Justification for a new version
  - Must be better or at least as good as commercial tools
    - Atlassian Stash

- Making the Gerrit project enterprise ready
  - Get influences from Eclipse foundation WoW
  - Small adjustment
Knowledge.
Passion.
Results.

Tomas Daarstad
Software Developer
Tieto, R&D Excellence
tomas.daarstad@tieto.com