How Tagging Supports Informal Processes in Software Development

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Motivation technical aspects formal processes informal processes

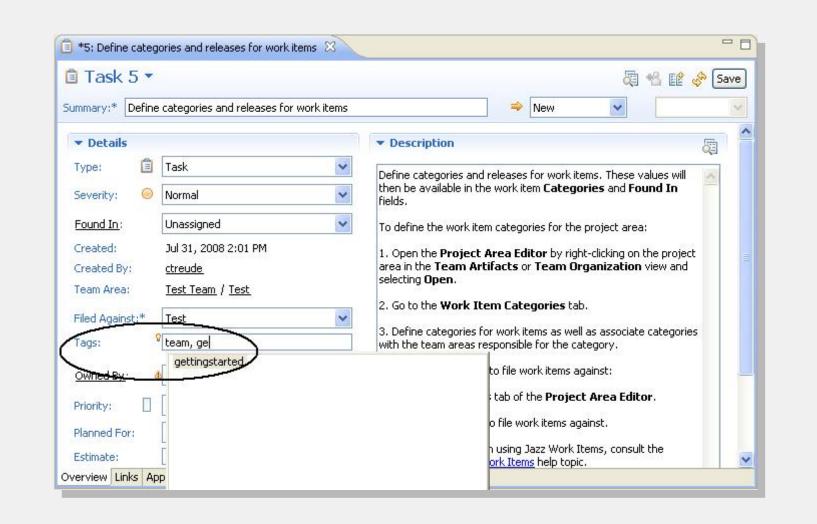
Jazz work items

tool

support

communication

mechanisms

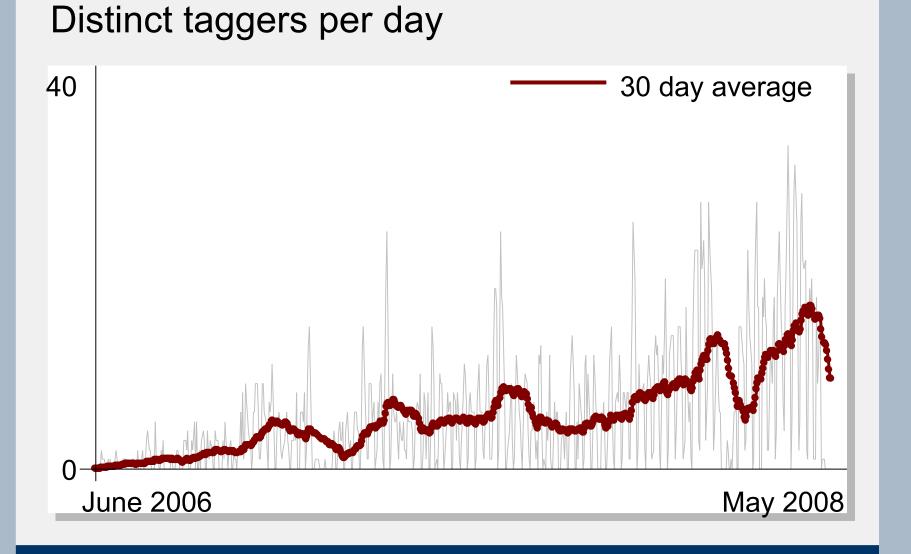


Most frequently used tags

beta2candidate editor errorhandling m6candidate performance polish

svt testing usability UX

Adoption of tagging



Reasons for tag use

Categorization

"Tags are useful for identifying cross-cutting concerns."

Organization

"I use tags because I feel like work items should be organized."

Finding

"I use tags so I can have queries and find things."

Tags and collaboration

"I would expect other people in the team to assign tags like *workspaceeditor* or *aspects* if they find issues in that area."

"You just sort of see it happening in the work item's feeds."

"If I've never seen a tag before, I won't even bother to go look it up."

Development-specific tags

Lifecycle related tags

beta2candidate rc2candidate

- related to a milestone
- transient

Cross-cutting tags

polish consumability

- Orthogonal to categories
- Odescribe non-functional requirements

Component-specific tags

editor

api

- refine existing categories
- ad-hoc categorization

Idiosyncratic tags

buildstatus

adoption

- Support individual processes
- used only by very few developers

Tag use over time



Potential tool enhancements

- allow tagging of other software artifacts
- O display tag authors along with tags
- allow optional description of keywords
- add lifecycle management for tags
- add reporting mechanism for tags
- suggest tags for incoming work items

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