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OpenJDK Infrastructure Status

Mohan Pakkurti – August 16th, 2011

Infrastructure Scope

Areas that are currently working to provide
Infrastructure for OpenJDK

- Bug system
- Code review system

Bug system - Current status

Decision to use JIRA (Issue tracking) and Crucible (code review) to be communicated to the OpenJDK community.

Design and planning for a pilot project with JIRA and Crucible

- Pilot instance to be used by Project Jigsaw and Project Lambda
- Pilot instance to implement workflows and state model for development work in OpenJDK
- Pilot instance will demonstrate different use cases to be supported on the bug system
- Pilot instance will be a platform to make design decisions for the bug system and code review system for OpenJDK
- Pilot system to be used for 2 months after launch to serve as a template and design bed for the production system

Bug system - Current status

Resources committed this project (from Oracle)

- Accelerating staffing of the project.
 - We now have a program manager, architect, HW/SW staff and added JIRA and Confluence expertise to the group.
 - Oracle internal hosting group, MySQL, Other JIRA users in Oracle are involved in helping us plan the pilot implementation, especially with data migration from the legacy bug system.
- Procurement of HW/SW in progress
- Security review with Oracle IT in progress

- Use case and design workshop to be held in a week in Santa Clara
 - Results of this workshop will be shared with the community soon after for input and feedback
- We are hiring a consulting firm (CustomWare) to help us implement and deploy the JIRA instance and other related services (Crowd, Crucible, FishEye).

Bug system - Ongoing work

Ongoing

- Working on deployment and finalizing the initial configuration of the pilot instance
 - Defining the high-level workflow and bug states
 - Defining the mapping of JIRA fields with the existing bug database fields
 - Defining the required custom field and screen layout to support our development process
 - Evaluating naming policies for projects and bug categories
 - Defining process to handle customer and security issues
 - Deploying initial instance with Crowd for SSO
- Evaluating process to integrate JIRA instance with Oracle internal bug database and internal policies
 - Reviewing bug flow between public JIRA instance and internal bug system
 - Synchronization requirements between the JIRA instance and the internal bug system
 - Role and authentication requirements to access some issue fields.

Bug system - Ongoing work

Next Steps

- Communicate the JIRA decision to the community
- Write JEPs/ and provide scoping of the project to the community
- Communicate the design and workflow suggestion to the community and take input and feedback
 - Discussion on bug workflow and processes to the “discuss” mailing list
- Create and communicate the project plan for the pilot system
- Communicate a sketch of the project plan for the production system
- Engage the consultant for implementation of the pilot
- Complete the initial pilot deployment configuration

Bug system – Time plan

Task	Estimated completion
Communicate the JIRA choice to OpenJDK community (includes roll out plan and FAQ on usage policies)	
Define pilot project scope and goals	Mid August 2011
Start discussion of the OpenJDK processes and workflows on the public discussion lists	End August 2011
Project design phase – Use case discussions	End August 2011
Project design phase – Publish preliminary design proposal	Early Sept 2011
Engage CustomWare for customization of JIRA Pilot system	Mid August 2011
Procure HW/SW and hosting services from Oracle IT	End September 2011
Procure Software licenses from Atlassian	End September 2011

Bug system – Time plan

Task	Estimated completion
Implementation starts for pilot system	Mid September 2011
Complete the initial pilot deployment configuration	End October 2011
Procure HW and Hosting services from Oracle IT	End September 2011
Procure Software licenses from Atlassian	End September 2011
Pilot system Generally available	Early November 2011
Production system planning start	Early December 2011
Pilot evaluation and study completed	End of December 2011
Production system plan published	Early December 2011