Milestone 1 Update
Eclipse Equinox Security Project

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Agenda

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M1 Schedule, Themes & Goals

- Eclipse Platform Milestone schedule for 3.4 emerged in July

    - http://dev.eclipse.org/mhonarc/lists/equinox-dev/msg02665.html

- Security Milestones will follow Platform by one (1) calendar week

- Platform M1 was August 10th, so Security M1 was August 17th

- Theme was 'Initial Contribution and Community Development'

- Goal was to contribute JCA/JAAS, and update Equinox site

M1 Deliverable: Wiki Category

- Wiki category announced on May 7th:
    - Coincided with IPZilla entering Eclipse IP Process
    - http://dev.eclipse.org/mhonarc/lists/equinox-dev/msg02306.html
- Content now includes:
    - Requirements
    - References
    - Design Documents
    - Setup Instructions

- Link: http://wiki.eclipse.org/Category:Security

M1 Deliverable: Project Website

- Website launched on August 8th:

  - Shortly followed approval of JAAS/JCA IPZilla

  - http://dev.eclipse.org/mhonarc/lists/equinox-dev/msg02685.html

- Content includes:

  - Project Overview

  - Development Plans

  - Code Scans using SWORD4J

  - Weekly Status (coming soon)

  - Links to the Wiki and to Bugzilla searches

- Link: http://www.eclipse.org/equinox/incubator/security/

M1 Deliverable: Development Plan

- 3.4 Development Plan also launched August 8th
- There are four themes guiding the security work:
    - Integrating Security Providers (JCA)
    - Providing User Credential Management (KeyStore, etc)
    - Providing a User Authentication Framework (JAAS)
    - Implementing Code Authorization solutions (Load-time, etc.)
- Several 'plan' bugs are recorded in support of these themes:
    - #199330 - Support Java security provider framework (JCA) in Eclipse
    - #153850 - Support user authentication based on the JAAS login framework
    - #153851 - Implement credential management in support of signed bundles
    - #153847 - Support for signature checking at bundle load-time
    - #153854 - Analyze and scope impact of enabling Java2 permission checking
- Each 'plan' bug will have implementation bugs that it requires
    - The 'plan' bugs are closed when all implementations bugs are complete
    - Plan is a living document, and will be updated with bugs for each Milestone

M1 Deliverable: Code Contribution

- JAAS/JCA code approved on July 16th:

  - http://dev.eclipse.org/mhonarc/lists/equinox-dev/msg02598.html

- Committed and documented on August 8th:

  - http://dev.eclipse.org/mhonarc/lists/equinox-dev/msg02685.html

  - http://wiki.eclipse.org/Security:_JCA/JAAS_framework_contribution

- Initial contribution committed under Bugzilla 198814/196987

  - https://bugs.eclipse.org/bugs/show_bug.cgi?id=198814

  - https://bugs.eclipse.org/bugs/show_bug.cgi?id=196987

- SWORD4J scan performed on M1 RCP plug-ins:

  - https://bugs.eclipse.org/bugs/show_bug.cgi?id=198833

M1 Demo

- JAAS/JCA JUnit tests
- Sample application

- Available on YouTube:

M2 Schedule, Themes & Goals

- Platform M2 is September 21st, so Security M2 is September 28th
- Milestone 2 'Themes':
    - Contribution hardening (JAAS/JCA)

    - Launcher integration (JCA)

    - Provider completeness (JCA)

    - API/Design (load-time)
- List of M2 bugs can be found via search:
    - https://bugs.eclipse.org/bugs/query.cgi?format=advanced
        - Summary contains: [sec]
        - Classification: ECLIPSE
        - Product: EQUINOX
        - Component: INCUBATOR
        - Target: 3.4 M2

Notable Community Interest & Press

- ~1000 hits each on Wiki category and requirements page
- EclipseZone coverage of announcements:
    - http://www.eclipsezone.com/eclipse/forums/t94694.html
    - http://www.eclipsezone.com/forums/thread.jspa?messageID=92164810&#92164810
- Invited to participate in Equinox Summit in Ottawa
    - http://wiki.eclipse.org/Equinox_Summit_2007
- Invited to talk at W-JAX 'Eclipse Experts Day' in Munich
    - http://jax.de/konferenzen/wjax07/days_eng.php?day=5

Questions