What’s new in Plug-in Development?

“In PDE we do tooling, but our business is people”

Chris Aniszczyk <zx@eclipsesource.com>  
EclipseSource  
PDE Co-Lead and Technology PMC Member
Agenda

- The Past (Ganymede)
- The Future (Galileo)
- Q&A
Agenda

▪ The Past (Ganymede)

▪ The Future (Galileo)

▪ Q&A
Internal Extension Points

- Extension points can be marked as internal now, similar to how you mark packages internal.
Error Log Enhancements

- More than meets the eye… browse launch configuration logs...

- Group log entries by
  - Session
  - Plug-in
Schema Identifiers

- A new type was introduced in extension points: identifier
- Identifiers allow you to reference other extensions
- e.g., perspective extensions refer to a perspective id that is defined in another extension point
New User Assistance Editors

- Table of Contents Editor
- Context Help Editor

![Table of Contents Editor](image)

![Context Help Editor](image)
Plug-in Registry View Enhancements

- The **Plug-in Registry** view is your eye into the runtime

- Show Advanced Operations
  - start/stop bundles

- Show Extension Content Only
  - quickly browse extensions
Plug-in Spy (3.4M3)

- ALT+SHIFT+F1
- Allows you to introspect what you’re looking at…
- Hyperlinking
- Shows contributing plug-ins
Open Plug-in Artifact (3.4M4)

- Ctrl+Shift+A

- Quickly browse plug-ins, extensions and extension points, features (3.5)
API Tooling (3.4M6)

- API tooling will assist developers in API maintenance by reporting...
  - API defects such as binary incompatibilities
  - incorrect plug-in version numbers
  - missing or incorrect @since tags
  - usage of non-API code between plug-ins
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*EE Library Validation Access (3.5M5)

- Validate references to system library based on EE (J2SE-1.4, etc).

- A 1.4 project should not reference 1.5/1.6 methods/classes

- Targetting 1.4... or lower...
  - and use Boolean.parseBoolean(String)... @#%^!
  - and use StringBuilder... new String(StringBuilder)... W#$%
*API Tooling for Extension Registry (3.5M5)*

- What do you consider API in extensions?
- View ids? Perspective ids?
- Goal is to provide same functionality as we have for Java but for extensions
Declarative Services Tooling (3.5M2)

- DS Tooling
  - Editor
  - Validation
  - Code Completion
  - Sample Templates
Binary Cycles (3.5M3)

- PDE UI and Build supports binary cycles in the target platform
  - Note: PDE Build supports this in 3.4
Versioning Checks (3.5M3)

- PDE can now help you validate information around versions
Parallel Compilation (3.5M3)

- PDE Build now supports parallel compilation
  - parallelCompilation=true in your top-level build.properties file
Export to Running Instance (3.5M3)

- PDE now supports exporting to the current running platform
*Graph Plug-in Dependencies View (3.5M5)*

- PDE Incubator Project
- Visualize your dependencies
- Pictures are worth a thousand words
- Looking to graduate in 3.5

* http://www.eclipse.org/pde/incubator/dependency-visualization/
*Target Management Improvements (3.4M5)
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- Target definitions to be used by default
- *Target itself will be managed by p2
- *Target can be self-provisioned using p2
Custom Schema Types (3.5M5)

- Currently, there are five types of attribute types:
  - Resource
  - Java
  - Identifier
  - String
  - Boolean

- This will allow people to plug-in their own types in... what does that mean?
What’s new in Plug-in Development?  |  Chris Aniszczyk  |  © 2008 EclipseSource

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Conclusion

- [http://www.eclipse.org/pde](http://www.eclipse.org/pde)

- PDE is only as good as you want it to be... so please file bugs for influence!

- Want to contribute?
  - PDE Bug Day

- Thank you!
Questions?
Suggestions?
Requests?
Suggestion Box

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