



Eclipse Examples Project

- Creation Review



The Eclipse Examples Project (Examples)

- A location for adopters of Eclipse technology to find well-documented examples:
 - applications, platforms, and features/plug-ins/bundles
- Examples of applications and plug-ins that use Eclipse technology
- Examples (generally) utilize technologies from multiple Eclipse projects



Project Name

- Full name: Eclipse Examples Project
- Short name: “Examples”
- <http://www.eclipse.org/examples>
- Motivation:
 - Original short name was “EEP”
 - While sort-of clever, it is potentially confusing
 - “Examples” makes it unambiguous, and as easy as possible to find



Benefit

- Increased visibility for the projects.
- A vehicle for demonstrating and testing interactions between projects that might otherwise be difficult or impossible provide in the context of any one project
- Much-needed documentation for adopters of Eclipse Technology



Values (1/4)

- Examples use Eclipse runtime technology
 - Eclipse Equinox is the delivery platform for all examples
- Only public APIs are used in the examples
- The most recent releases of Eclipse projects are supported
 - Most recent "general availability"(GA) release (n) and (possibly) the previous GA release (n-1)
 - Examples that cannot be maintained, or support Eclipse project releases older than n-1, are archived



Values (2/4)

- All examples are thoroughly documented
 - All classes, interfaces, and non-trivial fields and methods—irrespective of any visibility modifiers—have comments that describe their utility
- Examples are as small (concise) as possible
 - Unnecessary or unused files, types, constructors, fields, methods, etc. are removed.
- Examples are implemented in as simple a manner as possible



Values (3/4)

- Where possible, examples are extensible
 - Eclipse Rich Client Platform (RCP) applications are built as extensible platforms
- Examples are test-infected
- Examples are easily downloaded and buildable
 - Eclipse technology, such as Buckminster, is leveraged where sensible
- Examples are translatable into multiple languages where appropriate and sensible
 - All strings are externalized
 - Leverage the most recent version ICU4J



Values (4/4)

- Examples are IP reviewed
 - All intellectual property (IP) contributions to the project pass IP review within nine months of submission
 - Contributions which cannot be reviewed within that time are removed from the repository

Incubator



- The EEP will retain incubator status for the foreseeable future
- Components will do point releases, but the project itself will not graduate
 - The project will leverage the parallel IP process
 - However, we believe that it is bad practice to leave unreviewed IP contributions in the repository indefinitely
 - Thus, all intellectual property (IP) contributions to the project pass IP review within nine months of submission
- No components of this project are intended to be ever become official Eclipse API



Initial Contributions: Sudoku

- Multiple-user support by Eclipse Communication Framework (ECF)
- Adapted to run on embedded devices using the Embedded RCP (eRCP)
- There is interest in developing a version of it that will run on the Rich Ajax Platform (RAP)
- As an extensible platform that can be enhanced with additional puzzle generators and solvers



Initial Contributions: Organizer

- Task management and e-mail functionality
- Implemented as an extensible platform
- Current implementation is a proof of concept that is changing architecturally
- EclipseLink project for data connectivity
- Higgins project for identity management
- Potential for the use of technology from the ECF, Riena, and Swordfish projects in this example



Initial Contributions: Image Preview View

- Preview of the image associated with the current selection in the workbench window
- Workbench selection service
- Adapter framework
- Extensible



Mentors

- Wayne Beaton (wayne@eclipse.org)
- Thomas Hallgren (thomas@tada.se)



Initial committers (1/3)

- Wayne Beaton (wayne@eclipse.org) : Project Lead
 - Wayne created the base components of the three initial contributions. He is a committer on several projects (Phoenix, Packaging, and SOC), and has visibility/hooks into many more. Wayne's experience will be valuable in constructing examples that span multiple projects.
- Scott Lewis (slewis@composent.com)
 - Scott provided extensions to the Sudoku game contribution which facilitate multiple player play. He has considerable experience with the Eclipse Development Process, and is the project lead for the ECF project, and a committer on the Higgins and SOC projects.



Initial Committers (2/3)

- Remy Suen (remy.suen@gmail.com)
 - Remy adapted the Sudoku game to run on devices using eRCP/eSWT. Remy facilitated the creation of the Sudoku example within the DSDP project. Remy is a tireless committer on the ECF and SOC projects.
- Heiko Seeberger (heiko.seeberger@metafinanz.de)
 - Heiko has experience with technology from multiple Eclipse projects. He has presented numerous times, at various conferences, on Eclipse technology. Heiko has been working with the Organizer initial contribution for more than a year.



Initial Committers (3/3)

- Benjamin Muskalla (bmuskalla@innoopract.com)
 - Benny is a committer on the RAP and Linux Distros projects. His initial focus on the Examples project will be to assist in the evolution of the Sudoku game to RAP. He has experience developing with technology from multiple Eclipse projects.
- Ha Li (halizhangyu@sina.com)
 - Ha is a committer on the SOC project. His summer project through Google Summer of Code in 2007 added mail and contact management capabilities to the Organizer example.



Interested parties

- Tom Schindl (tom.schindl@bestsolution.at)
- Doug Clarke (douglas.clarke@oracle.com)
- Peter Krogh (peter.krogh@oracle.com)
- Channing Walton (channing.walton@casualmiracles.com)
- Chris Aniszczyk (zx@ibm.com)
- Thomas Hallgren (thomas@tada.se)



User community

- Developers who are building applications, products, tools, IDEs, plug-ins and more using Eclipse technology.



Plan (1/2)

- Merge the Sudoku currently present in the DSDP CVS repository into Examples
 - Revising architecture of the Sudoku example with the intent of generalizing it to make a better fit for a RAP-based version
- The architecture of the Eclipse Organizer application will be revised
 - Make use of Equinox/OSGi services
 - Higgins to provide identity management
 - EclipseLink for local persistence of artifacts



Plan (2/2)

- Development of a detailed plan to coincide with the Ganymede 'M5' release
 - completed examples coinciding with the Ganymede 'GA' release
 - Subsequent updates will be coordinated with the release schedules of prerequisite projects
 - Examples does not intend to formally join the Ganymede release train.
- Build process
 - The plan will include an automated build process that itself will serve as an example
 - Building on existing automation provided by Eclipse projects

Questions?

