



Eclipse 4.2 Migration

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(from the September 2011 Members Meeting)

Background on Platform 4.x



- Incubator started in 2008 to explore fundamental platform changes that would not fit into traditional single year release cycle
- e4 is an incubator for exploring major changes
- Some efforts from e4 graduated into 3.6 and 3.7
- Bigger changes deserved a new major platform version, graduated in Eclipse Platform 4.0
- e4 incubator continues on

Platform 4.x Integration Plan



- Developing multiple platform versions simultaneously for three years to smooth transition (3.6/4.0, 3.7/4.1, 3.8/4.2)
- 4.0 – Early adopter release
- 4.1 – Platform maturity
- 4.2 – Enterprise ready

Eclipse release train and packages for Juno/2011 are built on Platform 4.2

What is in Eclipse Platform 4?

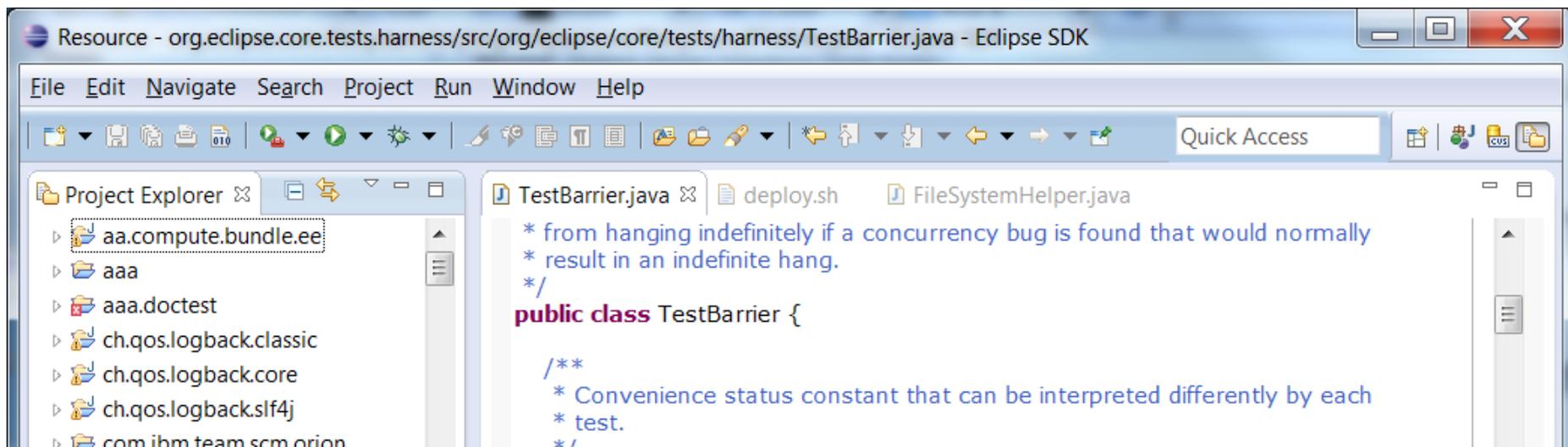


- Complete rewrite of platform user interface (“Workbench”)
- User interface driven by EMF model
- Pluggable rendering and styling engines
- CSS skinning of user interface
- Declarative service model using injection, annotations
- API is 100% binary compatible with 3.x Platform

What does this mean for end users?



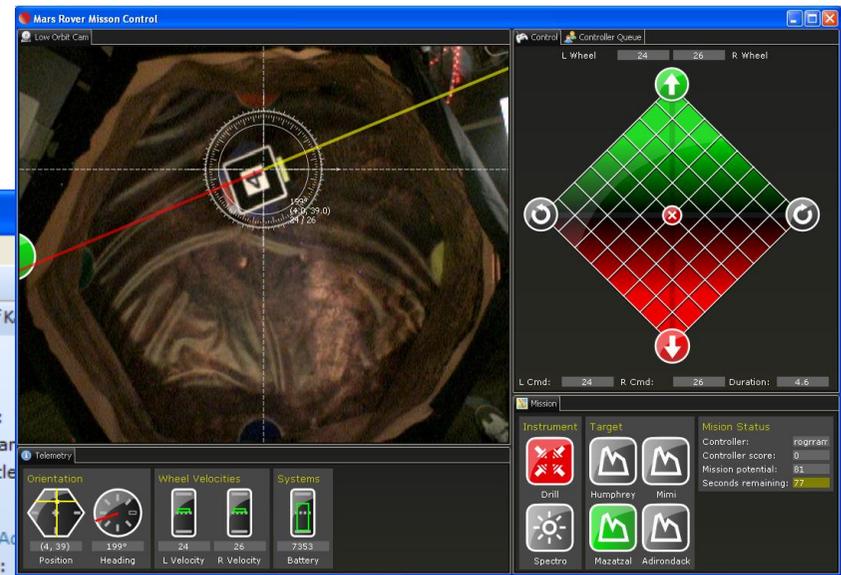
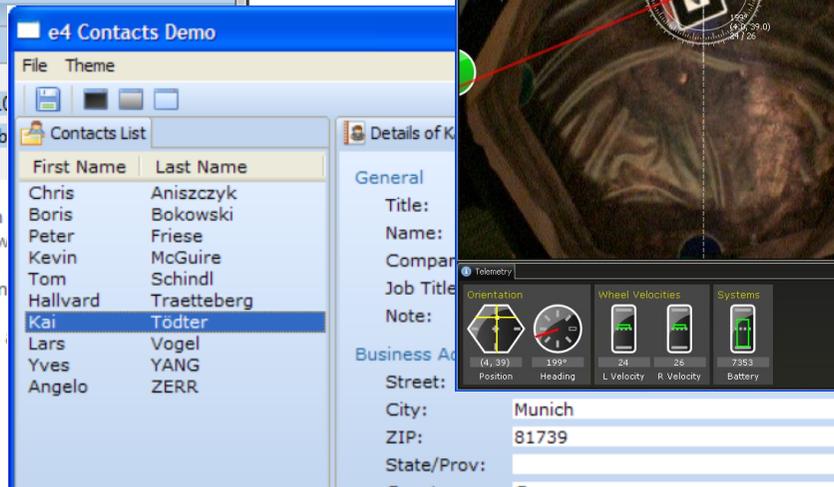
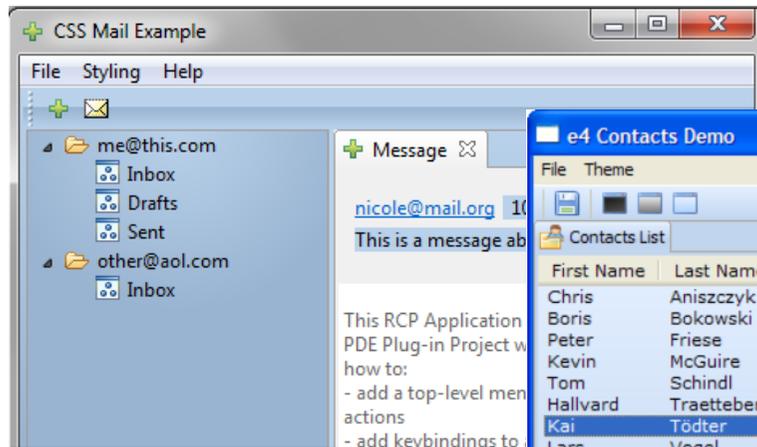
- All the end user functionality of Platform 3.x
- More flexible: views stacked with editors, views in dialogs, detached editors
- Refreshed user interface design: more use of space, less lines and clutter, global search bar



What does this mean for adopters?



- Greater flexibility to customize structure and layout of workbench through model and renderer changes
- Greater flexibility to style user interface without any code change



What does this mean for plugin authors?



- Very little: All the same API is fully supported
- If you rely on platform internals you may need to make changes
- Can start using service injection in views/editors
- Test your plugins and report problems to Platform team

Going forward



- 3.8 Platform release will be shipped concurrently with Juno for those not ready to move
- All major feature work and testing effort is focused on 4.2 Platform version appearing in Juno
- Currently no 3.x releases beyond 3.8 planned