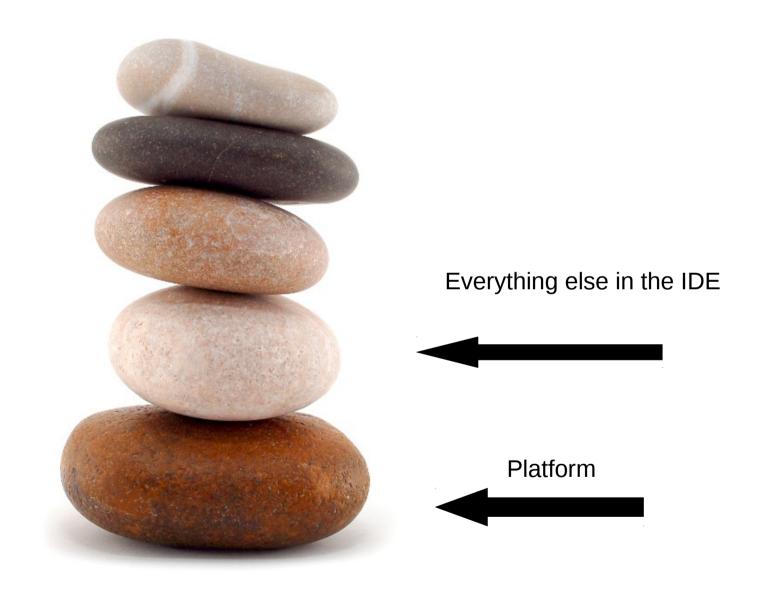


Eclipse Platform Rise and Shine

EclipseCon Europe 2015

What is the Eclipse platform project?



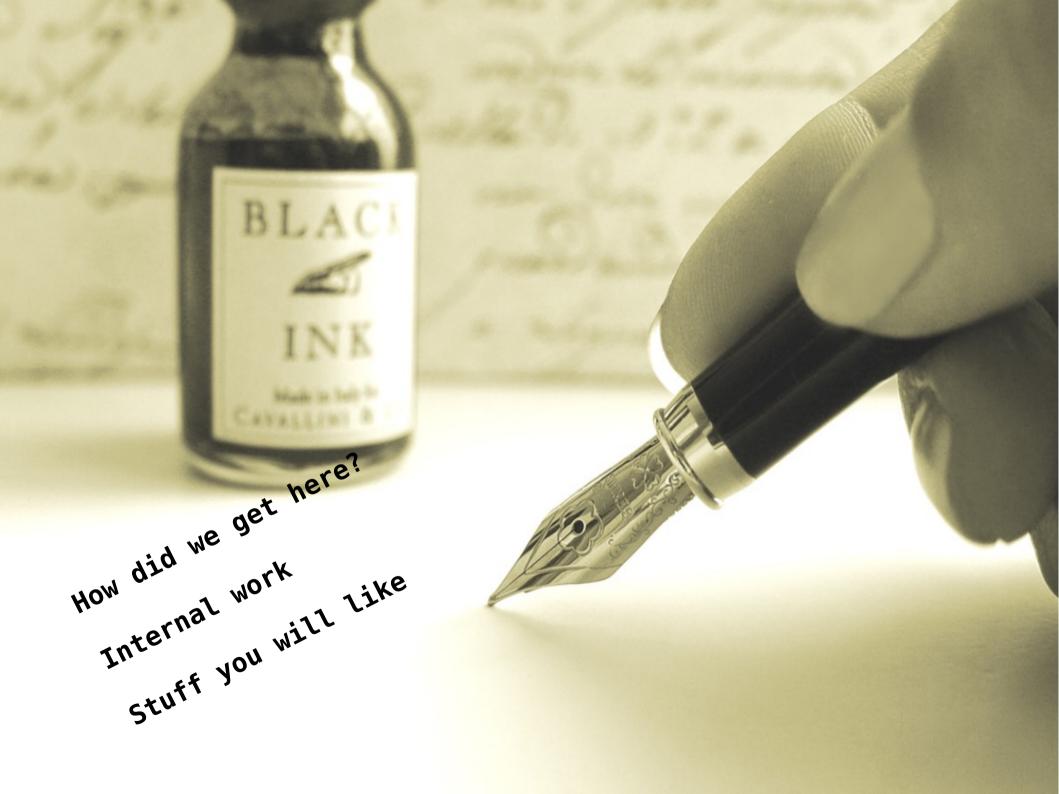


Lars Vogel

Eclipse Platform UI and e4 Project Co-Lead

vogella GmbH CEO, which supports customer Eclipse RCP implementations and trainings

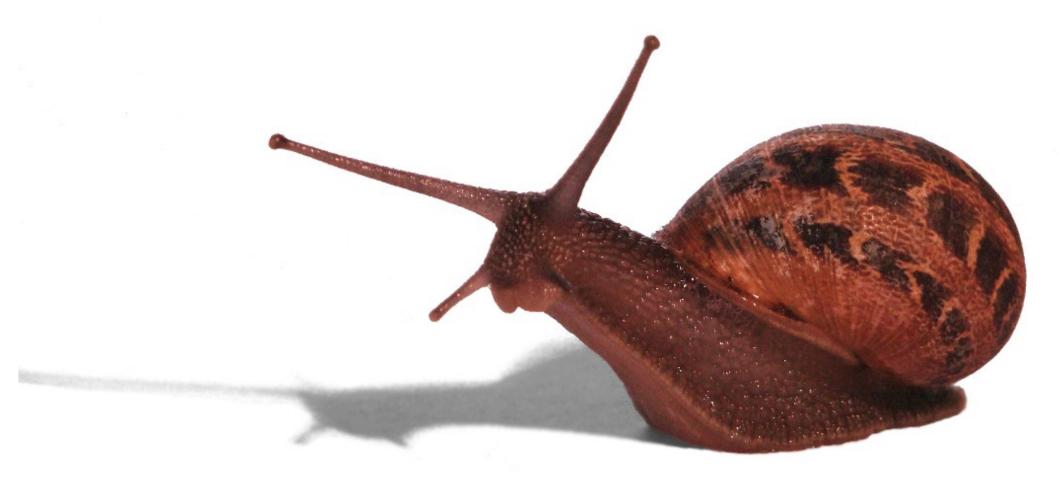




Disclaimer: I do not talk about Java 9 support



Eclipse 4.2 Once upon a time





Java 8 support

Improve default styling (colors)

QuickAccess can be hidden

Less whitespace usage

Major improvements in CSS

New icon set

DnD color

Eclipse 4.4

Dark theme

Removed annoying splash screen message

Line numbers

Toolbar can be hidden

PerspectiveSwitcher can be hidden

New Splashscreen and logo

UI Installation performance much better

Performance

Random developer called Oliver Gierke



Better GTK3 support

Customize perspective dialogs works again

Closing projects removes the "dead" editors

More new icons

Hierarchical project view in Project Explorer

Eclipse 4.5

Closes tabs to the right / left

IDE supports e4 views

Faster code completion in JDT

New Splashscreen and logo

Even better dark theme

Better performance with parallel jobs and interactive UI freeze monitor

Stuff we do in Eclipse 4.6 (Neon)

Non-user facing things

New committers and contributors

Committers

Stefan Xenox – Google

Simon Scholz – vogella GmbH

Tony McCrary – independent

Jonas Helmig – EclipseSource

Dirk Fauth – Bosch

Sergey Prigogin – Google

Andrew Loskutov – independent

Contributors

git shortlog -s --pretty=format:"%an" --since "1 year ago" | wc -l

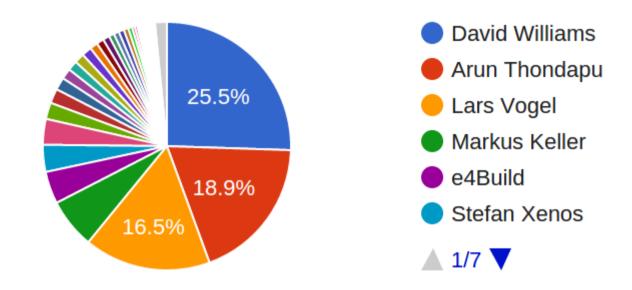
84 contributors in the last year



Total platform work including release enginering

Individual Contribution Activity:

Commits on this project by individuals over the last three months.

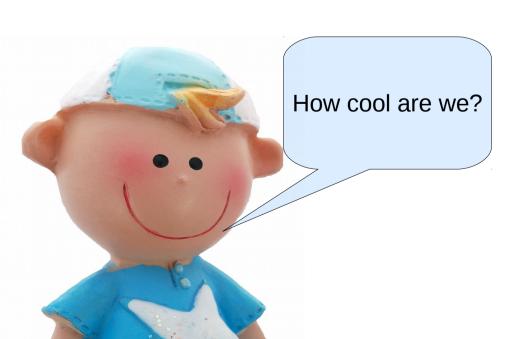


eclipse.platform.text will be integrated into eclipse.platform.ui

Platform Text



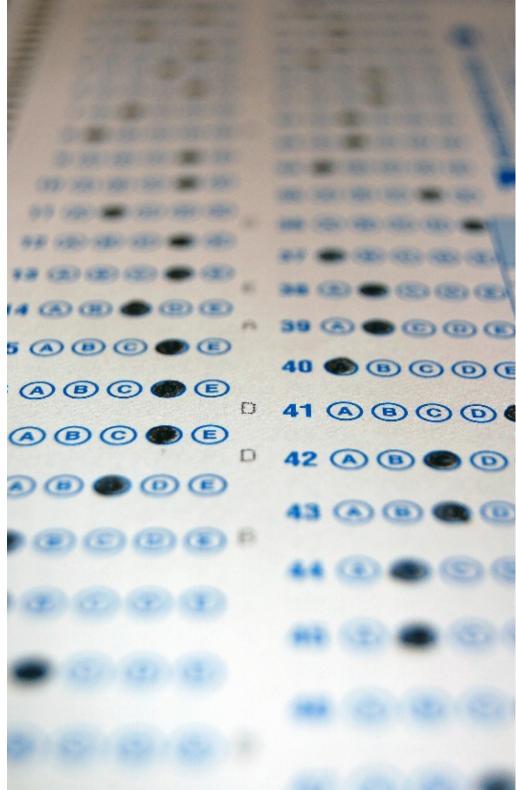
In Eclipse Neon platform moves to Java 8



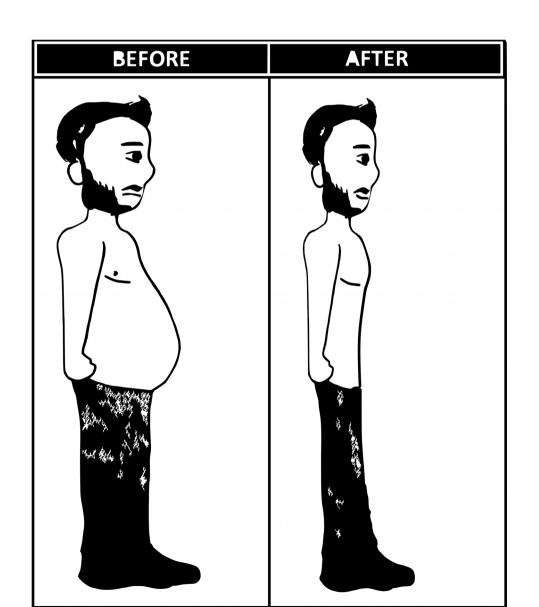
A big code clean

Simplified API
Remove dead internal code
Remove Eclipse 2.0 compatibility layer
Use annotations
Update of all plug-in to relevant Java
versions (Java 7 or Java 8)
Usage of Java 8 lambdas
Update of the tests (partial to Junit 4)





How does a code cleanup help?



Generics in JFace Databinding Convert platform tests to Junit 4 Deprecated outdated API Remove deprected API usage

Fix warning messages

Delete outdated examples

Simplified API for getting an adapter

Making our tests run in the Gerrit build validation

Remove unused internal methods

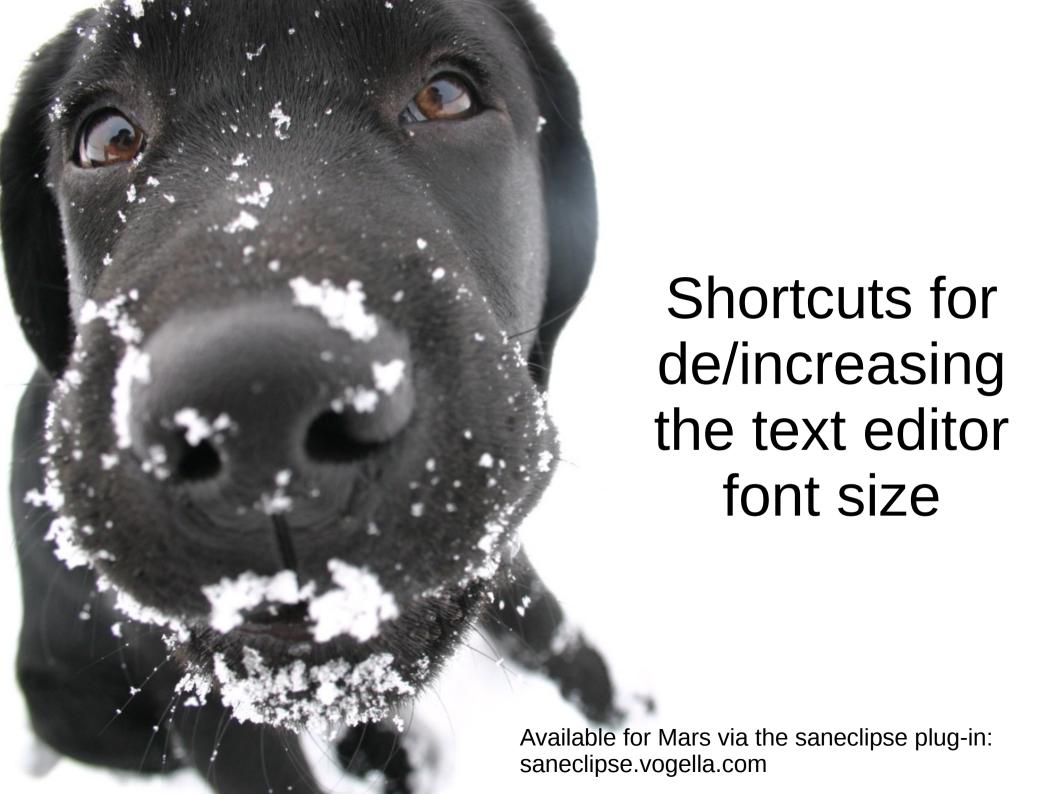
Delete unnecessary whitespace

Stuff we do for our users in Eclipse 4.6 (Neon)

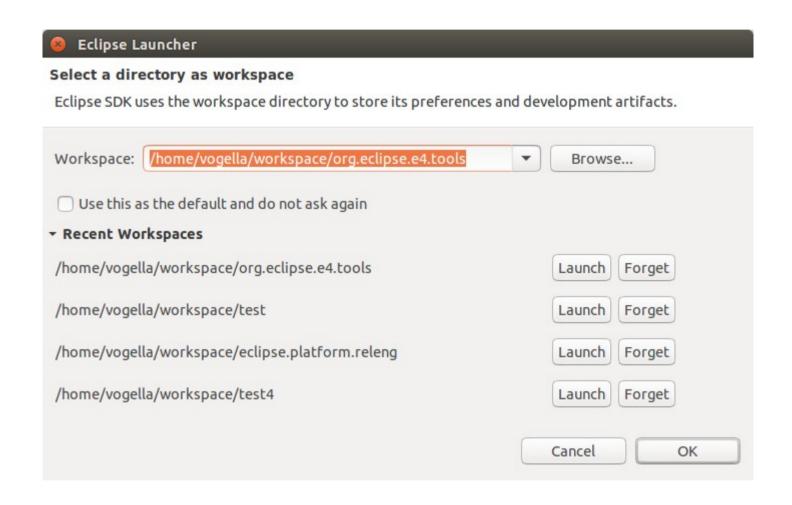
SWT

Finally make GTK3 as good as GTK2

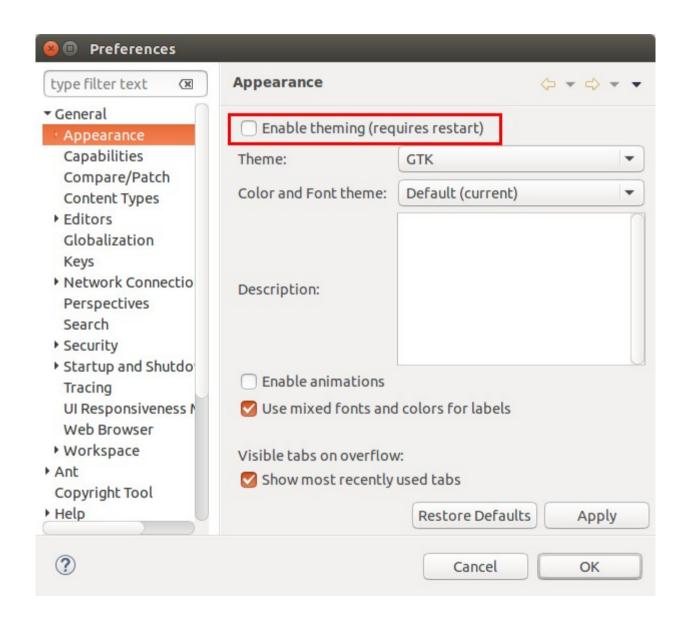
Word-Wrap in text editors should see the light



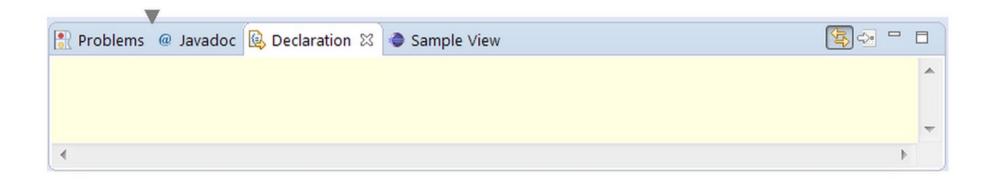
Eclipse launcher



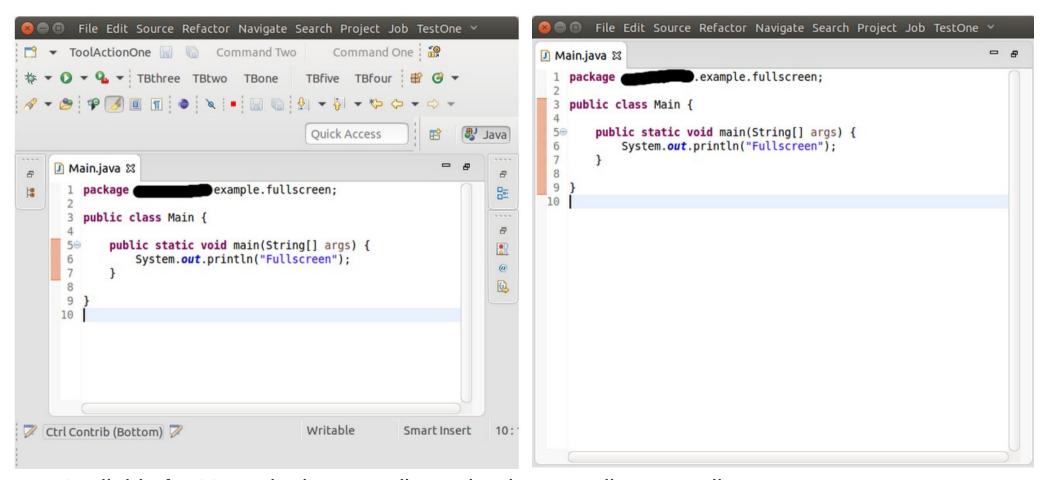
Faster Eclipse without Styling



Better DnD feedback for views and editors



Ability to hide the toolbars of the main window



Available for Mars via the saneclipse plug-in: saneclipse.vogella.com

Faster Eclipse

Background jobs with SubMonitor

Using the existing APIs:

SubProgressTest#testTypicalUsage elapsed time: **3.576s** SubProgressTest#testCreateTree elapsed time: **2.422s**

With the new APIs:

NewSubProgressTest#testTypicalUsage elapsed time: 1.988s NewSubProgressTest#testCreateTree elapsed time: 0.839s

Jobs can be x-times faster

Faster, faster Eclipse

Remove unnecessary activators

Avoid hitting the the file system for ImageDescriptors

Solving memory leaks

Avoiding object creation

Provide a smart import wizard

User does not have to know which project type he has to implement, Eclipse will figure that out

Open unknown text files with text editor not system editor

Moving the IDE more to e4 API

Plans to migrate existing (internal) handler Implementations to e4

Allows smooth migration of the IDE internals

PDE plans to support OSGi declarative services spec version 2 (based on annotations)

Sub-string completion in JDT

(first version merged yesterday into Neon)

Postfix completion in JDT (Planned)

https://github.com/trylimits/Eclipse-Postfix-Code-Completion



Potential cool things?

Maybe Bugzilla feels super old?

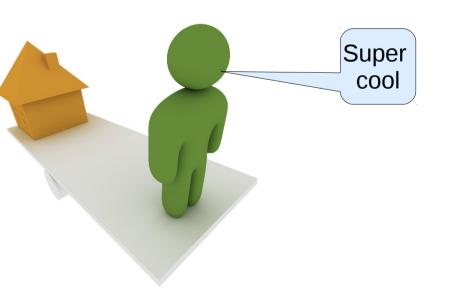
Allow editing of your comments in bug reports

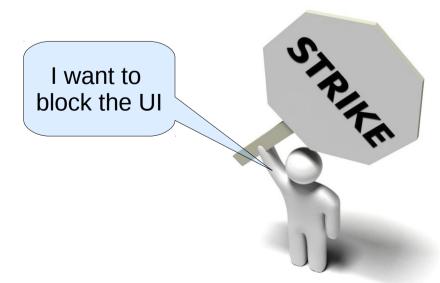


All depends on this Guy: Denis Roy Webmaster at Eclipse

Outline in JDT shows the annotations in your code

Non blocking asynchronous content assists





Eclipse roadmap and the Boss



Well-dressed headless chicken

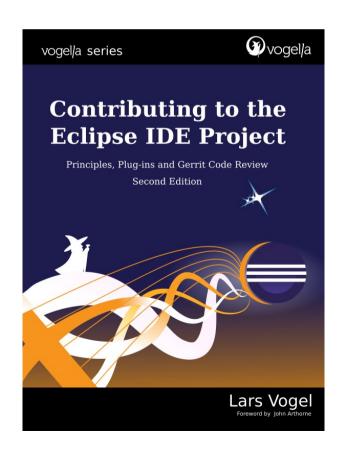
Hey, that is cool code. I would like to contribute to it.





Contributing to the Eclipse IDE, Second Edition

http://www.vogella.com/books/eclipsecontribution.html



As of today, available as **free download** and paper book



Thank you

For further questions:

lars.vogel@vogella.com
http://www.vogella.com



Need commercial support: sales@vogella.com





Ludwigsburg, Germany, 3 - 5 November 2015

Evaluate the sessions at www.eclipsecon.org

