<http://www.eclipse.org/projects/project-plan.php?projectid=eclipse>

<http://de.wikipedia.org/wiki/Eclipse_(IDE)>

<http://wiki.eclipse.org/Kepler>

<http://wiki.eclipse.org/SimRel/Simultaneous_Release_Requirements>

<http://www.eclipse.org/eclipse/development/porting/eclipse_4_2_porting_guide.html>

The current status of each plan item is noted:

* **Committed** plan item - A committed plan item is one that we have decided to address for the release. In bugzilla, this is reflected by having a concrete target milestone assigned.
* **Proposed** plan item - A proposed plan item is one that we are considering addressing for the release. Although we are actively investigating it, we are not yet in a position to commit to it, or to say that we won't be able to address it. After due consideration, a proposal will either be committed or deferred. In bugzilla, such items are reflected by having a target milestone "4.3" or "---" assigned.
* **Deferred** plan item - A reasonable proposal that will not make it in to this release for some reason is marked as deferred with a brief note as to why it was deferred. Deferred plan items may resurface as committed plan items at a later point. In bugzilla, such items are reflected by having a target milestone "---" assigned.

### Platforms

This work is focused on ensuring that Eclipse takes full advantage of all capabilities of the underlying technologies that it is based on, be they operating system, window system, Java or other. This includes support for native accessibility, internationalization and localization capabilities.

* **Committed**
  + (new)(committed) **Start work on Java SE 8 features.** The next Java SE release is version 8, which is currently scheduled for the summer of 2013. This release is expected to contain extensions to the Java language, including support for lambda expressions, default methods, annotations on types, and minor language changes. Eclipse Java development tooling will make progress towards compiling, editing and launching applications for Java 8 for those parts which have publicly available specifications. Work in progress will be made available as feature patches for early adopters while we work towards the official Java SE 8 release. [JDT Core, JDT UI] ([380190](https://bugs.eclipse.org/bugs/show_bug.cgi?id=380190))
  + (new)(committed) **Support the win32 version of Eclipse on Windows 8.** Fully support the 32-bit and 64-bit win32 version of SWT and the Eclipse SDK on Windows 8. We will ensure that applications built on the win32 version of SWT work as well as any other win32 API based application on Windows 8. This will increase our testing and support effort and potentially require new development to work around platform specific differences. Note that Windows RT on ARM processors will **not** be supported. [SWT, Platform UI, JDT UI] ([393426](https://bugs.eclipse.org/bugs/show_bug.cgi?id=393426))
  + (new)(committed) **Migrate to GTK+ 3.** We will undertake porting SWT and the Eclipse SDK to run on GTK+ version 3. Support for GTK+ 3 will be built into our current GTK+ packages, rather than introducing a separate port. We expect this effort to reach "early access" quality in the Kepler release, and GTK+ 2 will still be recommended for most users. [SWT] ([340067](https://bugs.eclipse.org/bugs/show_bug.cgi?id=340067))
* **Proposed**
  + (new)(new) **SWT browser currency.** Significant work is required in the SWT browser widget to support the latest browser runtimes. As part of this effort we will add browser support for XULRunner 17. We will also investigate supporting WebKit on Windows based on the Chromium CEF3 project. [SWT] ([405029](https://bugs.eclipse.org/bugs/show_bug.cgi?id=405029), [405031](https://bugs.eclipse.org/bugs/show_bug.cgi?id=405031))
* **Deferred**
  + (new)(deferred) **Add support for Microsoft UI automation.** Windows Vista and above support a new accessibility API called UI Automation (UIA). We will add support for UIA in the SWT accessibility API. This will enable SWT to support screen readers that use either UIA, or the existing IAccessible2 API. [SWT] ([393428](https://bugs.eclipse.org/bugs/show_bug.cgi?id=393428))

### Robustness

As the basis for the entire Eclipse eco-system, the Eclipse SDK must be robust, flexible and secure. This work will address those issues by providing API for missing or currently internal functionality, and focusing on the issues that affect the stability of the platform.

* **Committed**
  + **Performance and stability of Platform user interface.** Version 4.2 of the Eclipse Platform still has some performance and functional shortcomings compared to the old 3.x generation of the platform. We will work to root out and eliminate these remaining bugs to increase the overall quality and performance of the 4.x generation platform. [Platform UI, SWT] ([393429](https://bugs.eclipse.org/bugs/show_bug.cgi?id=393429))
  + (new)(new) **Finalize initial Eclipse Platform 4 APIs.** We will formalise an initial set of API for the new Eclipse Platform 4 architecture. Some more advanced aspects of Eclipse Platform 4 will still be provisional, but a useable subset of API will be finalized to enable adopters to move forward with adopting new Eclipse 4 platform with confidence that compatibility will be retained. [Platform UI, Platform Runtime] ([403190](https://bugs.eclipse.org/bugs/show_bug.cgi?id=403190))
  + (new)(committed) **Common build infrastructure.** The Eclipse Foundation has established a common build infrastructure to be used by Eclipse projects. The aim is to simplify the build process, and establish a common set of build technology and hardware across Eclipse projects. We will transition the Eclipse Platform build and automated tests to operate on this common infrastructure. This will make it easier for anyone to fetch and build the Eclipse Platform on any machine, and lower the long term maintenance cost of building older versions of Eclipse projects. [Releng] ([372792](https://bugs.eclipse.org/bugs/show_bug.cgi?id=372792))
* **Proposed**
  + (new)**Recruit and train new contributors.** While adoption and use of the Eclipse Platform increases every year, there has been a steadily declining rate of contribution back to the platform's development. We will work to reduce any real or perceived barriers to contribution, and increase efforts on reviewing patches and onboarding new contributors. [All components] ([393430](https://bugs.eclipse.org/bugs/show_bug.cgi?id=393430))
* **Deferred**

*None at this time.*