



Eclipse for Mobile Developers

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- Rückblick
- Aktueller Stand
- Demo Android
- Demo HTML5
- Ausblick

Das Eclipse Projekt hat sich erfolgreich etabliert.



- Start als Quellcode-Spende von IBM vor 12 Jahren
- Plattformübergreifend durch Verwendung der Sprache Java
- Beliebte Entwicklungsumgebung für diverse Programmiersprachen
- Open Source Plattform als Grundlage für eigene Anwendungen

Die für mobile Entwicklung relevanten Projekte haben eine durchwachsene Historie.



- Mobile Tools for Java (MTJ)
- eRCP
- eSWT
- Pulsar
- Device Debugging
- Device Software Development Platform (DSDP)
- ...

Welche Erwartungen gibt es an eine IDE für mobile Anwendung?









- Cross-Plattform / Native
 - Android
 - iOS
- HTML5 / CSS3
- JavaScript
- JavaME
- PhoneGap
- ...

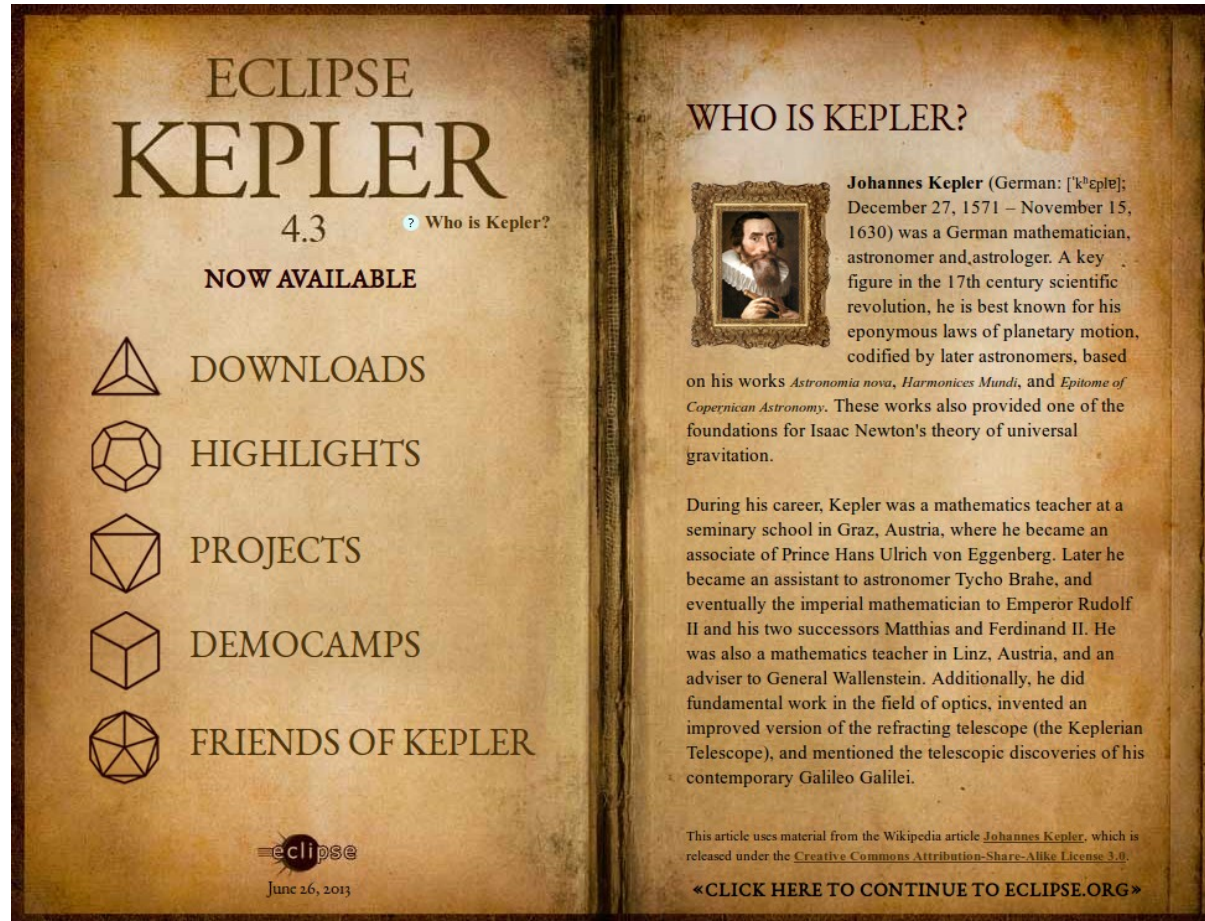
Die Distribution “Eclipse for Mobile Developers” bündelt die wichtigsten Projekte für mobile Entwicklung.



- C/C++
- Java
- Git
- XML
- Mylyn
- ...






	Eclipse IDE for Java Developers , 100 MB Downloaded 445,369 Times Details	 Linux 64 Bit
	Eclipse for Mobile Developers , 144 MB Downloaded 295,317 Times Details	 Linux 32 Bit Linux 64 Bit
	Eclipse IDE for Java and DSL Developers , 259 MB Downloaded 240,222 Times Details	 Linux 32 Bit Linux 64 Bit


Seit dem 26. Juni ist das Kepler-Release verfügbar.




ECLIPSE
KEPLER
4.3 [Who is Kepler?](#)

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June 26, 2013

WHO IS KEPLER?



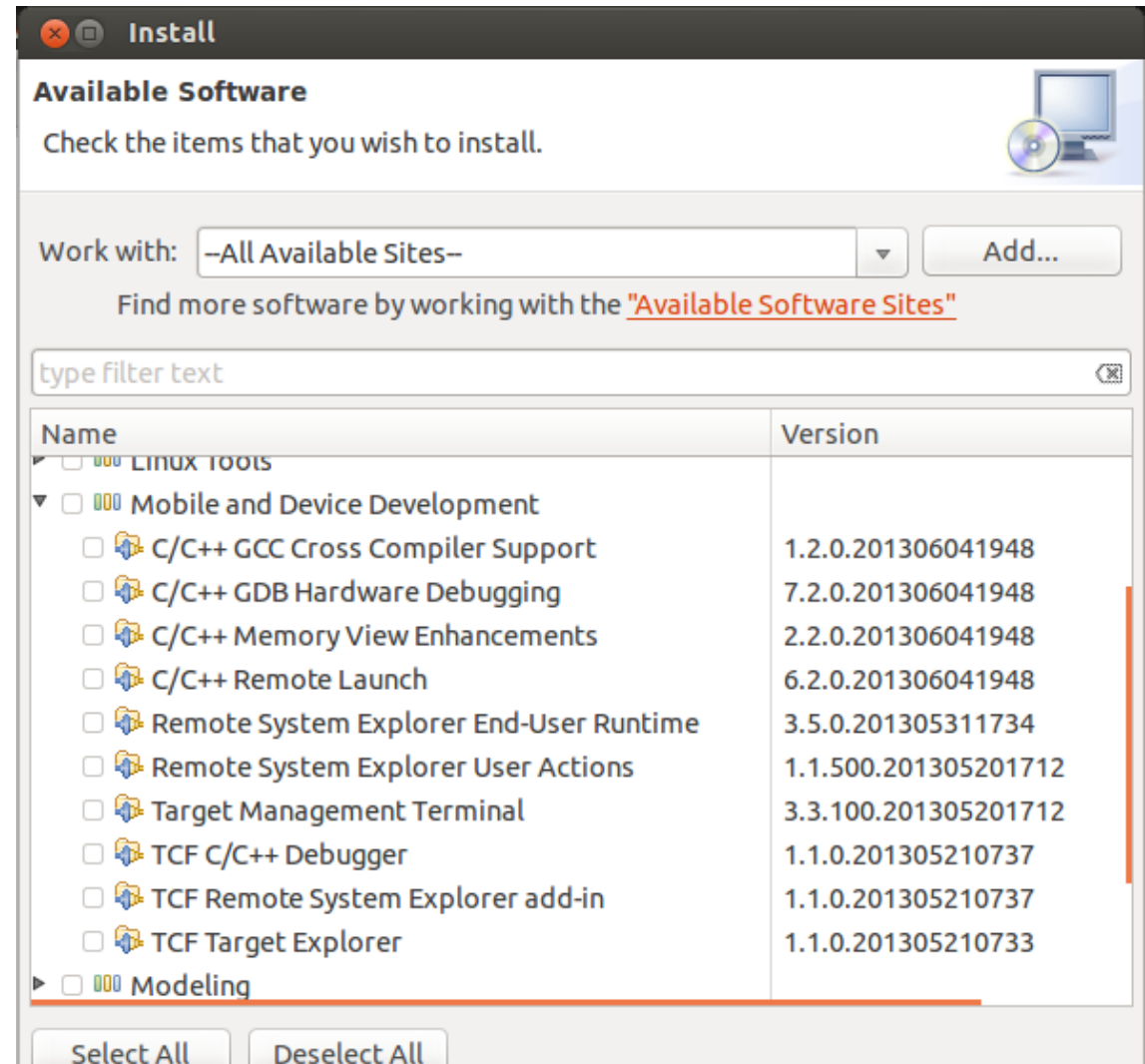
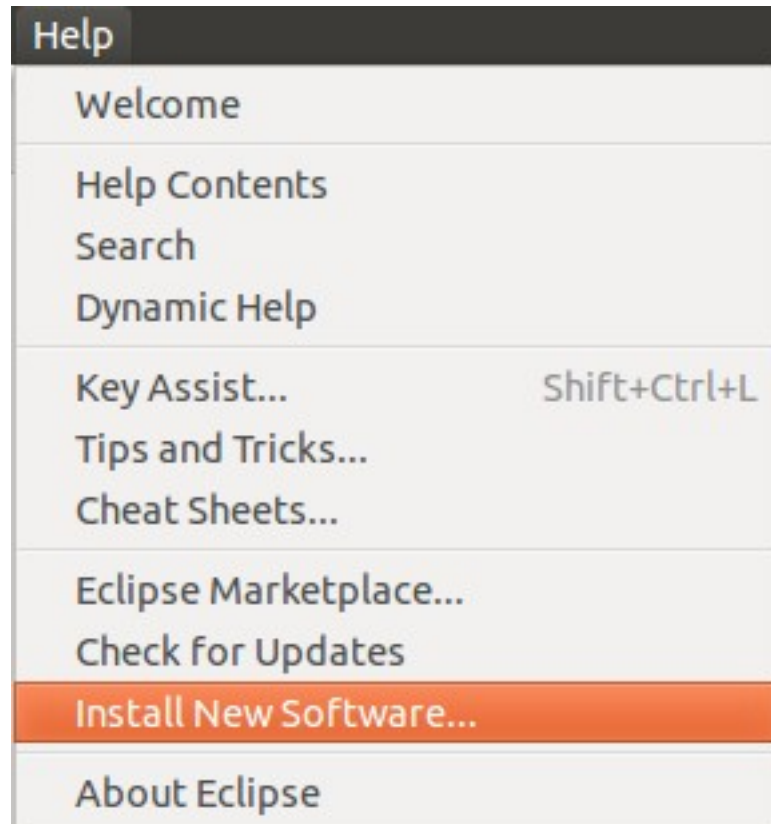
Johannes Kepler (German: [ˈkɛplɐ]; December 27, 1571 – November 15, 1630) was a German mathematician, astronomer and astrologer. A key figure in the 17th century scientific revolution, he is best known for his eponymous laws of planetary motion, codified by later astronomers, based on his works *Astronomia nova*, *Harmonices Mundi*, and *Epitome of Copernican Astronomy*. These works also provided one of the foundations for Isaac Newton's theory of universal gravitation.

During his career, Kepler was a mathematics teacher at a seminary school in Graz, Austria, where he became an associate of Prince Hans Ulrich von Eggenberg. Later he became an assistant to astronomer Tycho Brahe, and eventually the imperial mathematician to Emperor Rudolf II and his two successors Matthias and Ferdinand II. He was also a mathematics teacher in Linz, Austria, and an adviser to General Wallenstein. Additionally, he did fundamental work in the field of optics, invented an improved version of the refracting telescope (the Keplerian Telescope), and mentioned the telescopic discoveries of his contemporary Galileo Galilei.

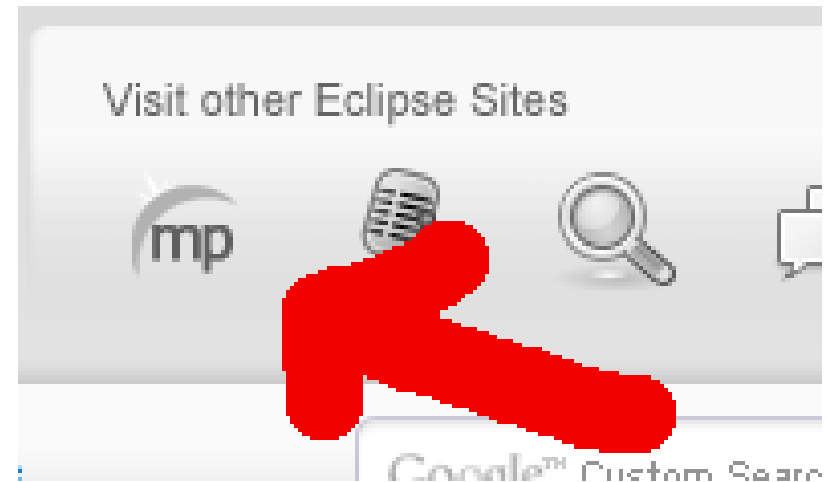
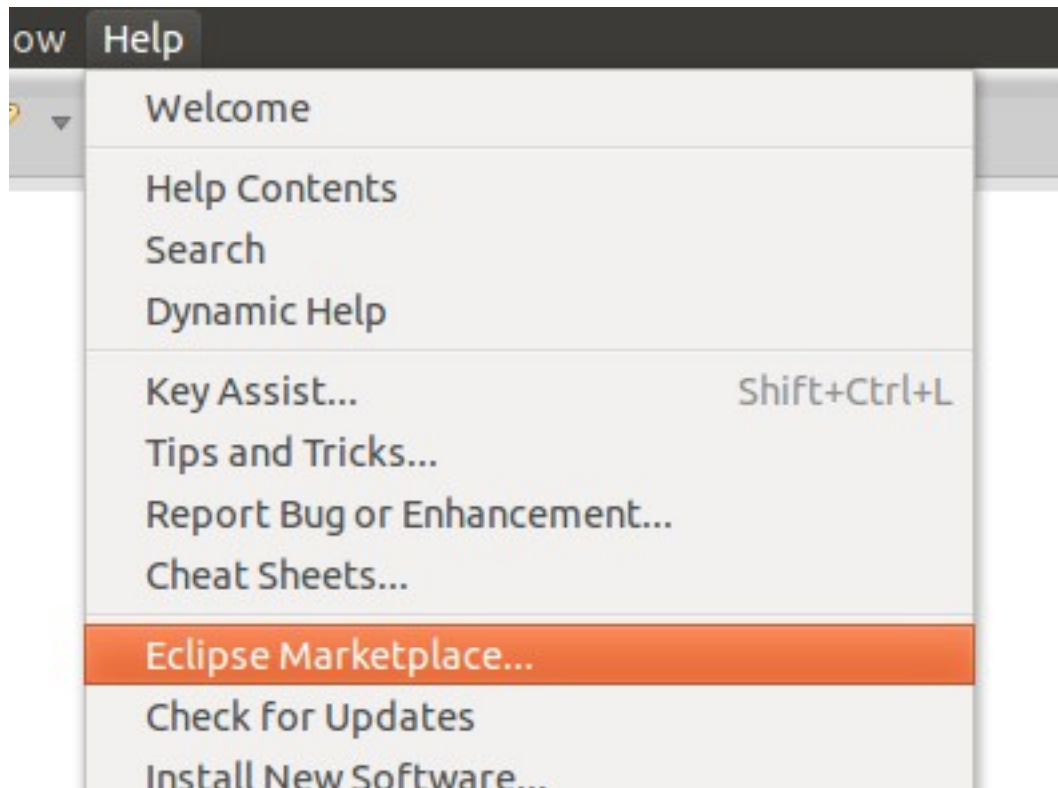
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Update Sites bieten zahlreiche Erweiterungen.



Der Eclipse Marketplace bietet zahlreiche Erweiterungen.



Zusätzlich gibt es noch einige kommerzielle Plug-Ins und Produkte.



- JBoss Developer Studio, JBoss Tools
- JRebel
- Tabris
- IBM WebSphere Application Server, Liberty Profile Developer
- IBM Worklight
- ...

Das Android Development Tools (ADT) Plug-In ist der Einstieg zur App-Entwicklung für Android.



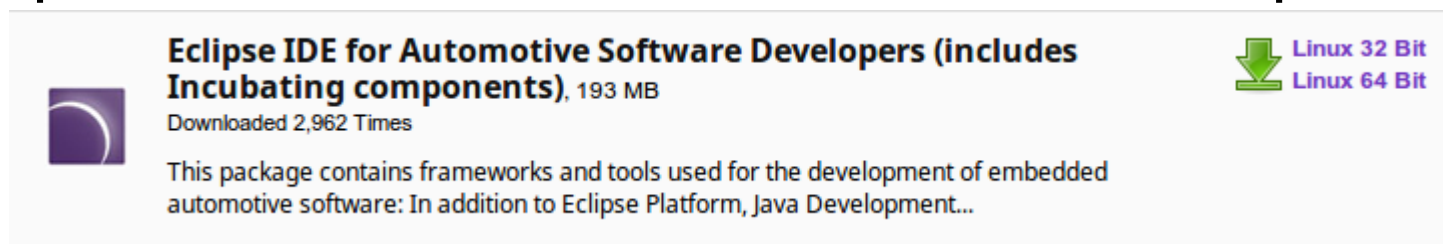
- Installation über den Eclipse Marketplace


Die Werkzeuge zu HTML5 sind im JavaEE Paket.




- HTML5 Unterstützung seit dem 2. Helios Release u.a. mit einem HTML5 Page Template
- HTML Code Completion
- Eigene HTML5 Templates
- Die Preview-Ansicht des Web Page Editors unterstützt jetzt auch HTML5
- Bis heute keine HTML5 Palette

- Machine-to-Machine Kommunikation (m2m) und Internet der Dinge / Internet of Things (IoT)
 - koneki → m2m.eclipse.org
 - Paho → Open Source Messaging Protocol for m2m
 - Ponte - M2M Bridge Framework for REST developers
- Concierge
- Eclipse IDE for Automotive Software Developers



 **Eclipse IDE for Automotive Software Developers (includes Incubating components)**, 193 MB
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This package contains frameworks and tools used for the development of embedded automotive software: In addition to Eclipse Platform, Java Development...

- QNX Momentics Tool Suite
- openSCADA / EclipseSCADA

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