



Open Source – Value Creation and Consumption

Prepared for WIBAS Day, Darmstadt

Ralph Mueller
Director, Ecosystems Europe
Eclipse Foundation

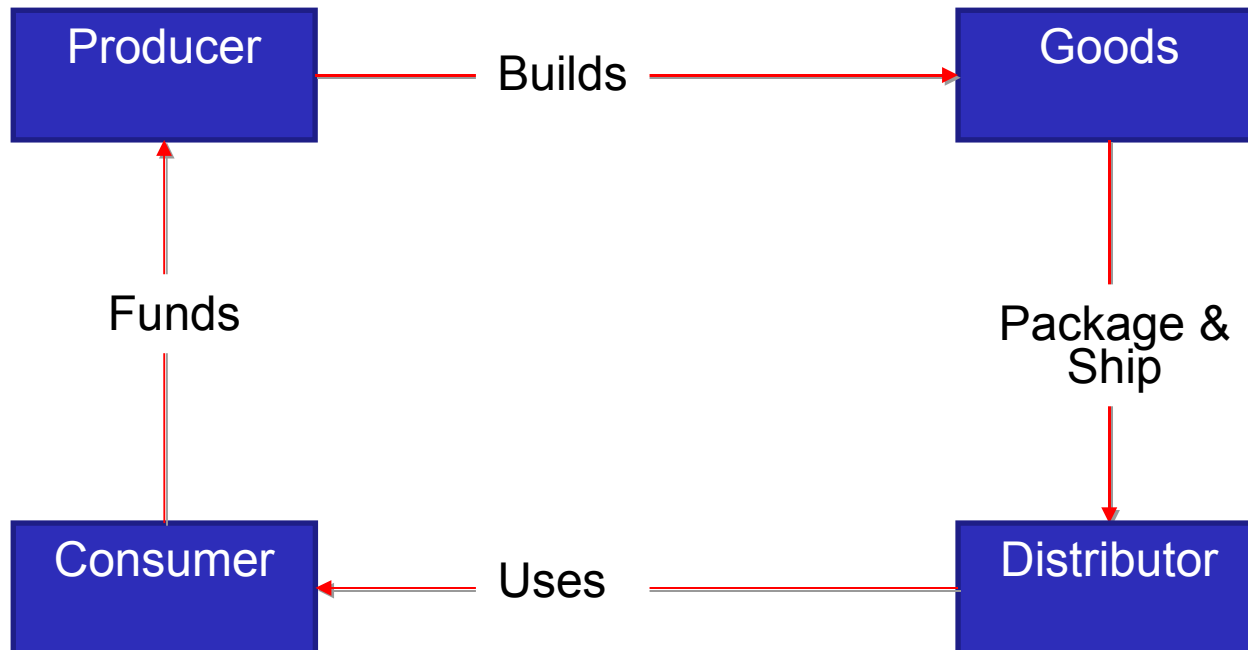
Agenda



- Open Source Models and Eco Systems
- Who Are We?
- Consumer Needs
- Vertical Initiatives
- Eclipse, a Place to Collaborate

Eco System

- Production of Goods (Products and Services)
- Distribution of Goods
- Consumption of Goods



OS Models and Eco Systems - Libre

- Free as in speech
- Use the software for any purpose you want
- Freely copy and redistribute the software
- Investigate the software and adopt it to your needs
- Changes, extensions and improvements must be made available freely (libre)
- Projects are community-driven
- Funding: ISV's, Individuals
- Example: GNU, Linux





OS Models and Eco Systems - Free

- Free as in beer
- Use the software for any purpose you want
- Community driven
- Great variety of technologies
- Evolved from efforts of a few individuals
- Funding: ISVs, Individuals
- Example: Apache



OS Models and Eco Systems – Company Driven

- Free for experimentation
- Use the software as is for free
- Easy adoption, now entry barriers
- Company owns IP / Point of Control
- Company defines eco system roles
- User community
- Funding: ISV (MySQL)
- Projects: MySQL, SugarCRM, etc.





OS Models and Eco Systems – Producer/Distributor/Consumer Community

- Free as in beer
- Community driven
- Freely copy and redistribute the software
- Platform orientation
- Professional eco system support
- Common component architecture
- Funding: ISVs, Service Companies, Individuals, (Consumer)
- Projects: Eclipse





History of the Eclipse Project

- Initiation in 2001
 - Initial release of the Eclipse technology platform (Platform, JDT, PDT)
 - Founding consortium board comprised Borland, IBM, MERANT, QNX Software Systems, Rational Software, Red Hat, SuSE, TogetherSoft and Webgain
 - Eclipse Public License (EPL)

- Eclipse Foundation 2004
 - Independent not-for-profit organization formed in 2004
 - Definition of bylaws, membership model, initial IP process
 - Foundation management staff hiring starts

- Eclipse Foundation today -->

A Member Driven Open Source Project



- 186+ members
 - 22 Strategic Members
- 800+ committers, representing 50+ organizations

Strategic Members



Computer Associates®



WIND RIVER



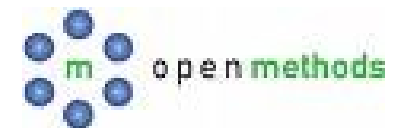
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What Is Eclipse?



- **universal platform**

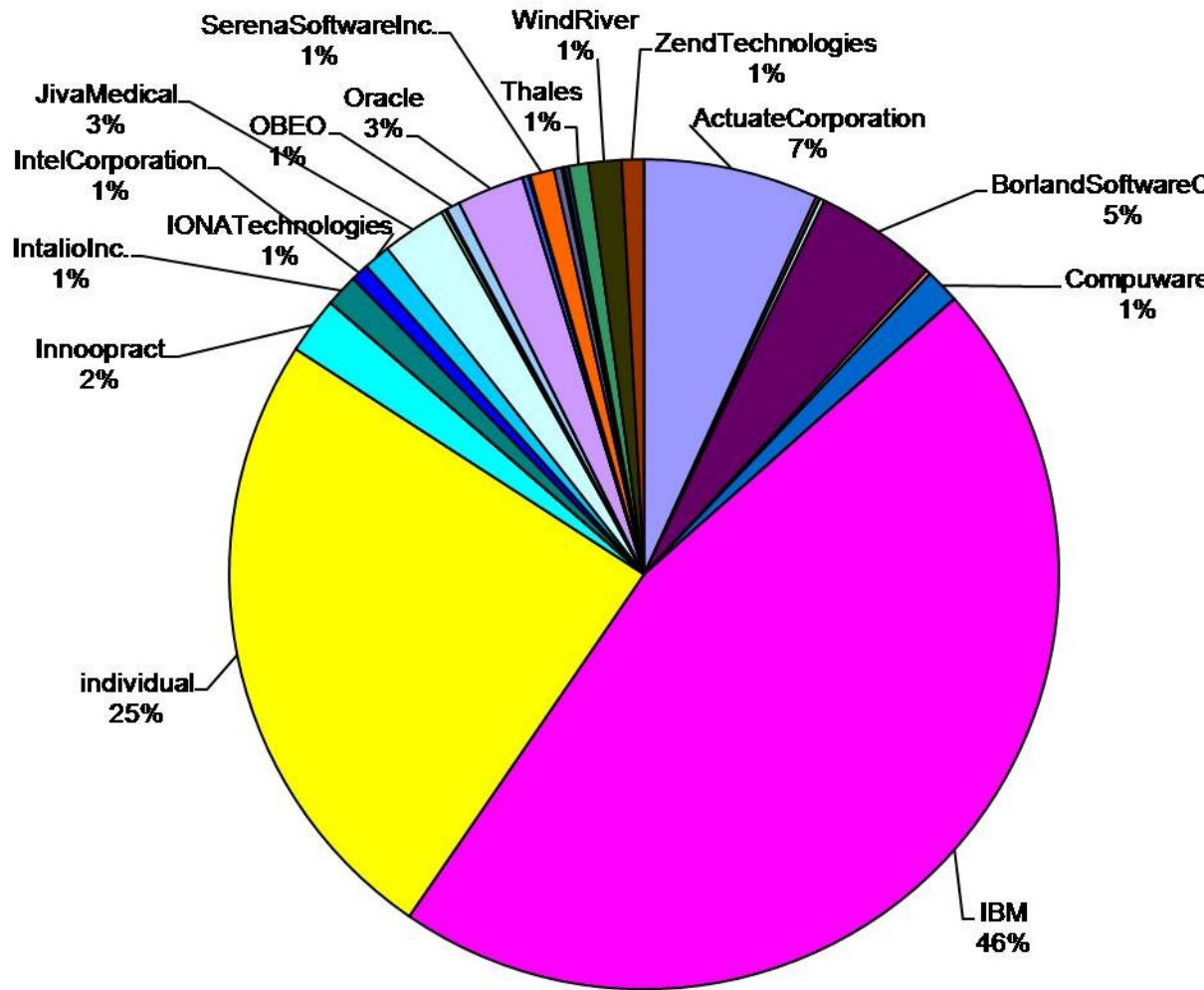
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eco-system



What Is Eclipse?

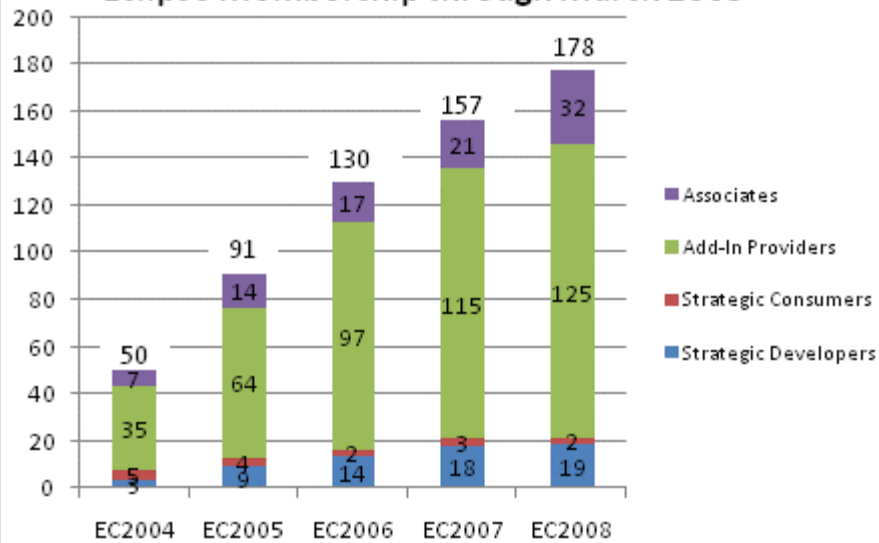
- Eclipse is an open source community focused on developing a **universal platform** of frameworks and exemplary tools that make it easy and cost-effective to build and deploy software in today's connected and unconnected world.
- Eclipse is a consortium of major software vendors, solution providers, corporations, educational and research institutions and individuals working together to create an **eco-system** that enhances, promotes and cultivates the Eclipse open platform with complementary products, services and capabilities.



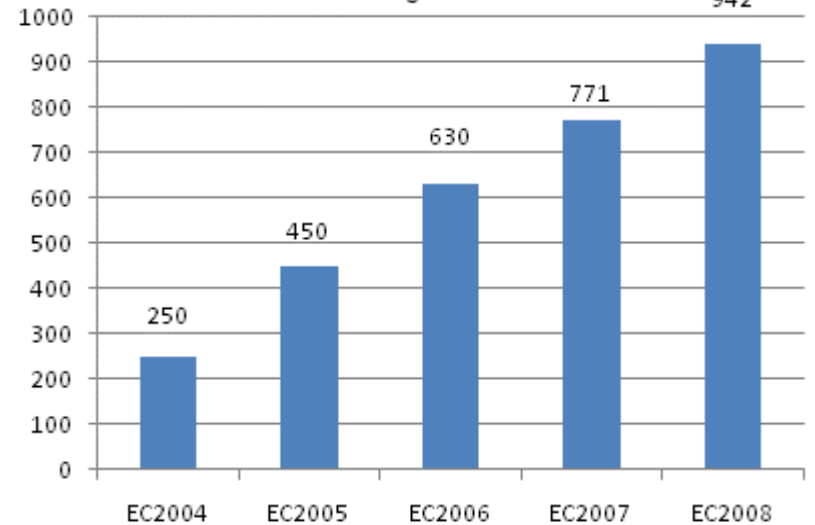
- Actuate Corporation
- Anywhere Technologies
- ARMLimited
- BEA
- Borland Software Corp.
- Cloudsmith Inc.
- Compuware
- Fujitsu Limited
- Hewlett-Packard Company HP
- IBM
- individual
- Innoopract
- Inpriva
- Instantiations Inc.
- Intali Inc.
- Intel Corporation
- IONA Technologies
- Jiva Medical
- Nokia
- Novell
- OBEO
- OpenMethods LLC
- Oracle
- Prosyst Software
- QNX Software Systems Co.
- Red Hat Inc.
- SAPAG
- SAS
- Scapa Technologies Limited
- Serena Software Inc.
- Sybase
- Symbian
- Telelogic AB
- Thales
- unknown
- Wind River
- Zend Technologies

2007

Eclipse Membership through March 2008



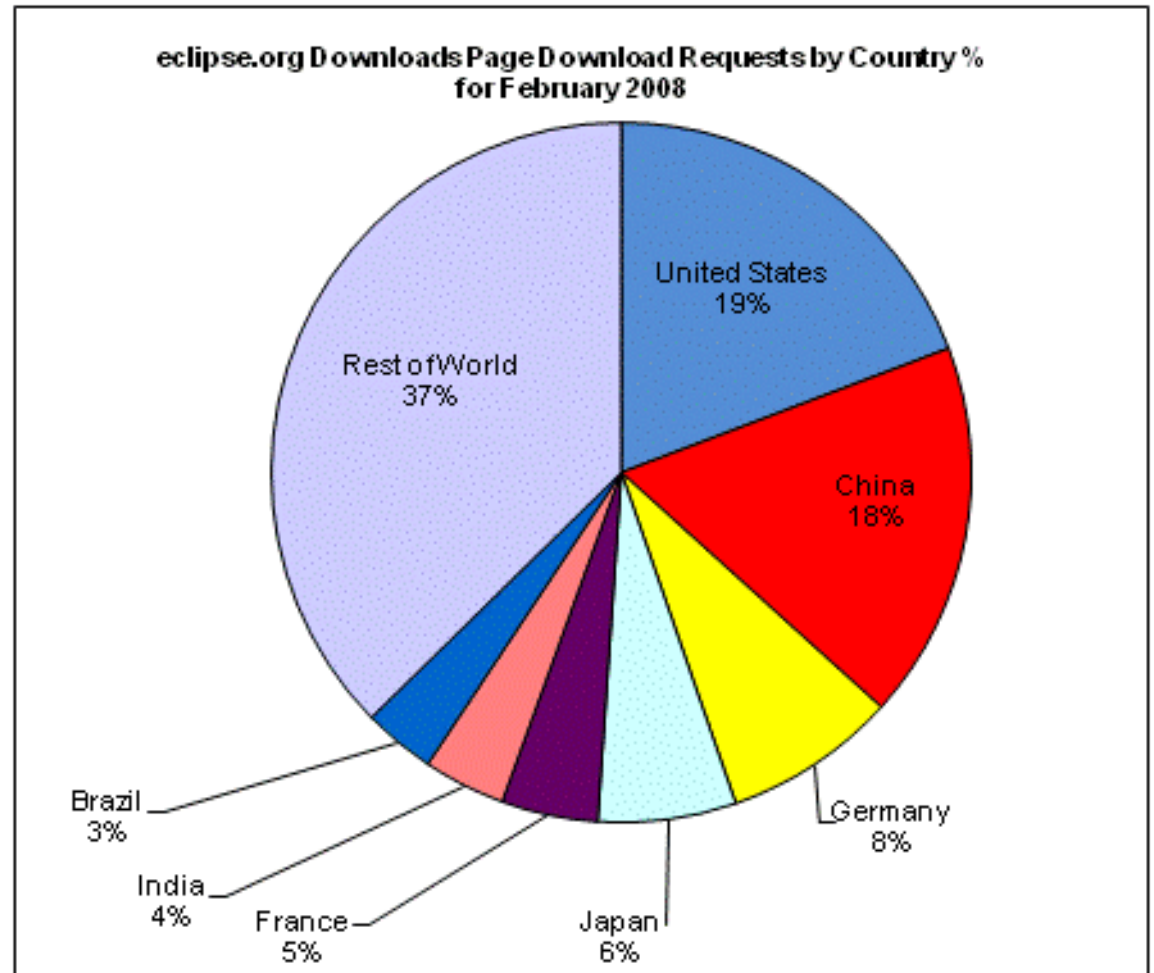
Committers through March 2008



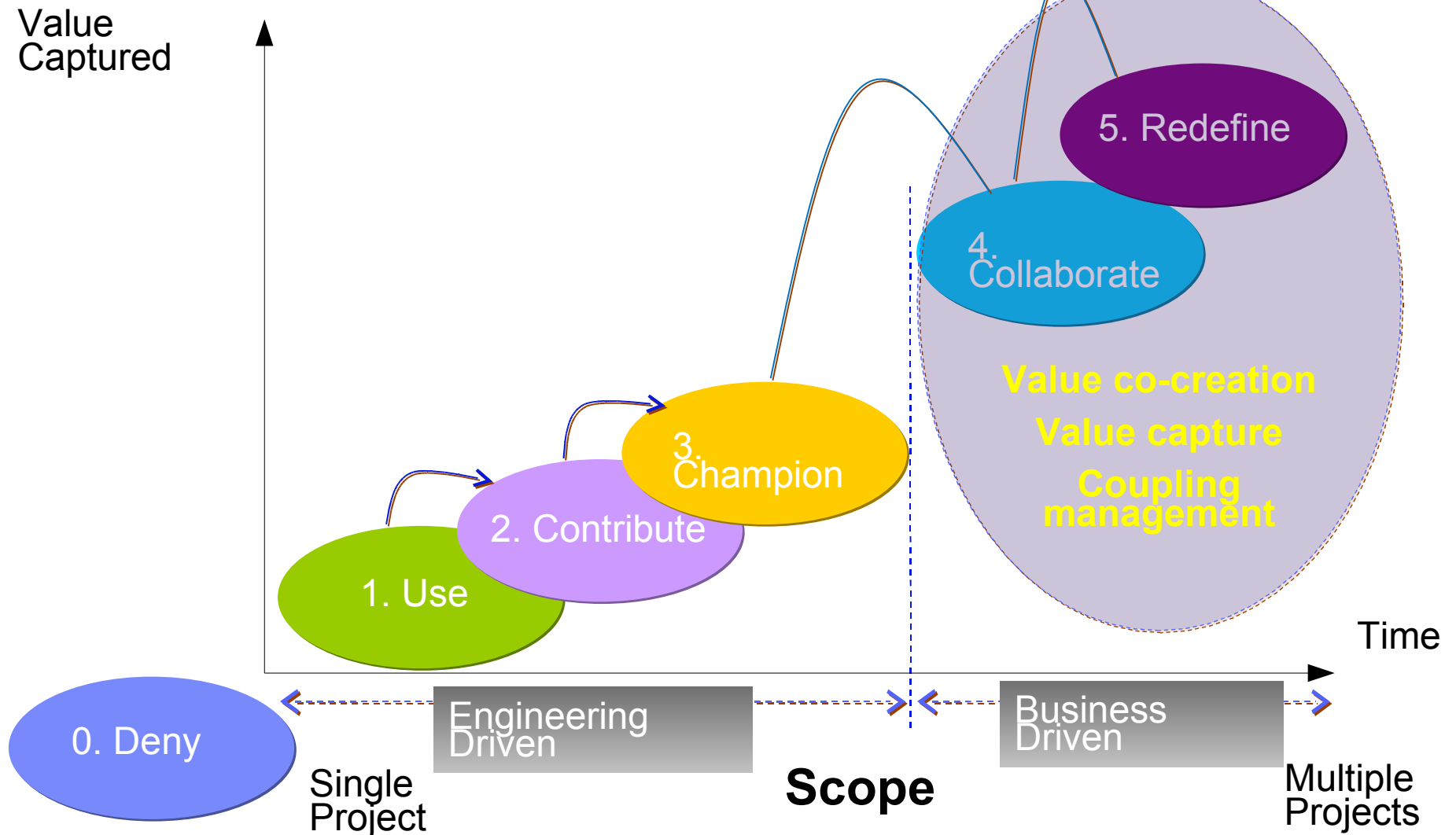
SDK Download Requests – By Country

China growth stabilizes
07Q4(20%) –
08Q1(18%)

Rest of world very stable



Why Participate?





Easy Access Encourages Experimentation

Eclipse.org home | Google Docs - All items

http://www.eclipse.org/

Front Page for ralph... | Google Kalender

eclipse

HOME | COMMUNITY | MEMBERSHIP | COMMITTERS | DOWNLOADS | RESOURCES | PROJECTS | ABOUT US

Google Custom Search

Eclipse - an open development platform

Eclipse is an open source community whose projects are focused on building an open development platform comprised of extensible frameworks, tools and runtimes for building, deploying and managing software across the lifecycle. A large and vibrant ecosystem of major technology vendors, innovative start-ups, universities, research institutions and individuals extend, complement and support the Eclipse platform.

New to Eclipse?

[Download Eclipse](#)

- Enterprise Development
- Embedded + Device Development
- RCP + Equinox Runtimes
- Application Frameworks
- Language IDE (PHP, java)

Announcements

- Submit an Eclipse Summit Europe Talk by September 1 (+1 week ago)
- Winners of the Ganymede Around the World Contest Announced (+3 weeks ago)
- Eclipse Delivers Its Annual Release Train (+10 weeks ago)

Spotlights

- Attend Eclipse Summit Europe**
Register early for a registration discount at ESE in Ludwigsburg, Germany.
- Eclipse RCP Webinars**
Several upcoming Eclipse RCP webinars are open for...

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Establish toolsets and share environment configurations at:

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Contribution has many Facets ...

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First Last Prev Next No search results available

<p>Summary: Data Collection Engine for Mac OS X</p> <p>[TPTP] Bug#: 68111</p> <p>Product: TPTP Agent Controller</p> <p>Component: Platform.Communication</p> <p>Status: NEW</p> <p>Resolution:</p>	<p>Hardware: Macintosh</p> <p>OS: Mac OS X</p> <p>Version: 4.3</p> <p>Priority: P2</p> <p>Severity: enhancement</p> <p>Target Milestone: ---</p>	<p>Repo</p> <p>Assigned</p> <p>QA Con</p>
<p>URL:</p> <p>Whiteboard:</p> <p>Keywords: helpwanted</p> <p>Depends on:</p> <p>Blocks:</p> <p>Show dependency tree</p>		

Attachments			
CommonBaseEvent patch for Darwin (PPC, untested on x86) (8.52 KB, patch) 2006-12-10 13:45 -0400, Pierre Queinnec	no flags	Details Diff	
AgentController patch for Darwin (PPC, untested on x86) (10.67 KB, patch) 2006-12-26 16:50 -0400, Pierre Queinnec	no flags	Details Diff	
Patch to fix the Safari JRE/OS display problem (7.52 KB, patch) 2008-01-24 23:03 -0400, Ruth Lee	no flags	Details Diff	
updated CBE patch (8.79 KB, patch) 2008-04-27 13:25 -0400, Scott Cytacki	no flags	Details Diff	
Add an attachment (proposed patch, testcase, etc.)			View All

News: 23

Date	Subject
04.09	Update to CDT 5.0.1 causes unrecoverable hang
04.09	Re: Update to CDT 5.0.1 causes unrecoverable hang
04.09	Re: Update to CDT 5.0.1 causes unrecoverable hang
04.09	Re: Update to CDT 5.0.1 causes unrecoverable hang
04.09	Re: Update to CDT 5.0.1 causes unrecoverable hang
05.09	Re: Update to CDT 5.0.1 causes unrecoverable hang
05.09	Where can I find cdt for eclipse 3.2 on solaris 10 x86?
05.09	Re: Where can I find cdt for eclipse 3.2 on solaris 10 x86?
05.09	Re: Where can I find cdt for eclipse 3.2 on solaris 10 x86?
05.09	Re: a double quotation(") mark never can be used in Make Target Fields?
05.09	how to add a library to the project in CDT 5.0
03.09	Another JNI UnsatisfiedLinkError
04.09	Re: Another JNI UnsatisfiedLinkError
04.09	Re: Another JNI UnsatisfiedLinkError
04.09	Re: Another JNI UnsatisfiedLinkError
04.09	Plugin for Eclipse Platform
04.09	Archived site for CDT 5.0.1
04.09	Re: Archived site for CDT 5.0.1
04.09	Re: Archived site for CDT 5.0.1
04.09	Re: Archived site for CDT 5.0.1



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Summit 2006

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Symposia

As part of Eclipse Summit Europe 2008, a symposia conference will be held in 2008, before the main conference. The symposia will provide an opportunity for open exchange on specific topics with fellow members of the Eclipse community. If you have a special area of interest on Eclipse, the symposia will allow you to discuss it with the same interest and provide a lively discussion of ideas, recommendations and share solutions.

- **Automotive Symposium** - Eliane Fourgeau & Jean-Philippe
- **Eclipse Modeling Symposium** - Jean Bezivin & Jean-Marc
- **Engineering Embedded Runtimes** - John Curr

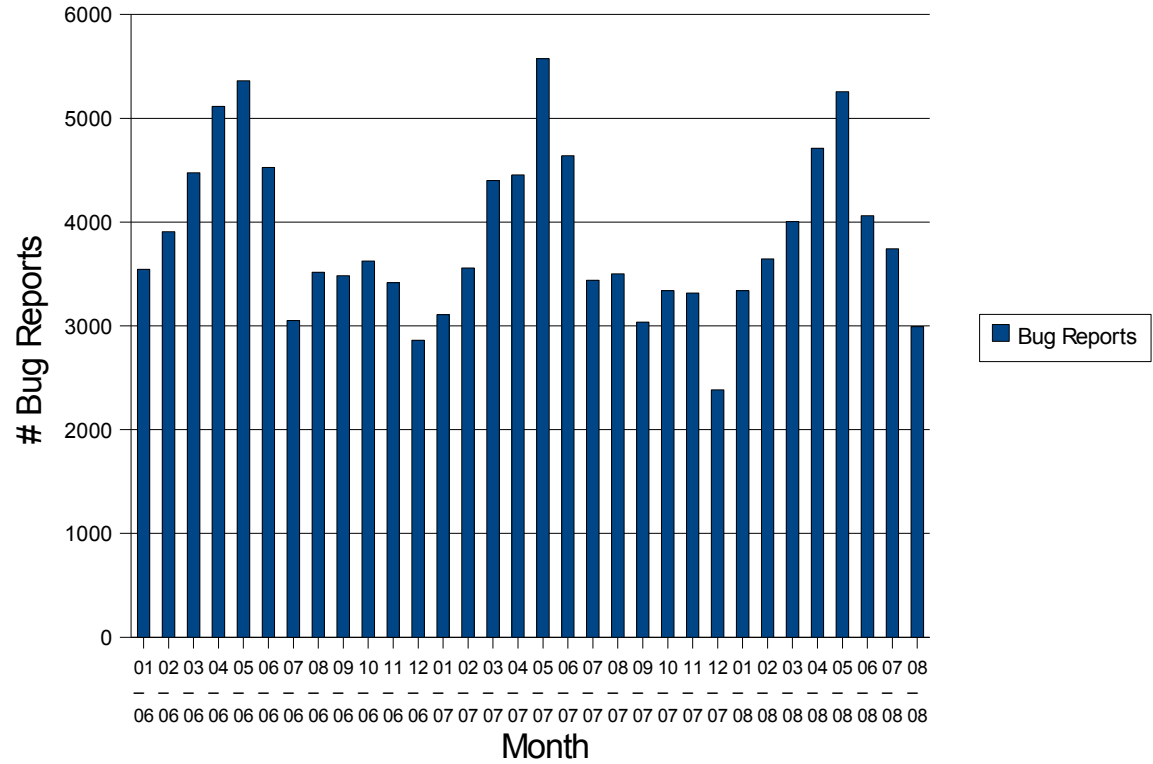
Participation

Registration for the ESE symposia day will open soon. The symposia day is included with a conference pass, so attendance will be limited to each symposia.

Contribution Improves Quality



Eclipse Bugzilla: Bug Report

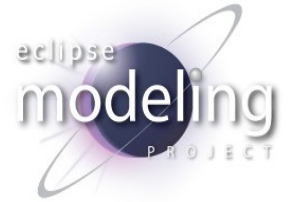


Champions Define Direction



http://www.eclipse.org/projects/listofprojects.php

mobile tools for java	🟡	🔗	📄	🔍	🔗	🔍
Native Application Builder	🟡	🔗	📄	🔍	🔗	🔍
Real-Time Software Components	🔴	🔗	📄	🔍	🔗	🔍
Target Management	🟢	🔗	📄	🔍	🔗	🔍
Tools for mobile Linux	🟡	🔗	📄	🔍	🔗	🔍
Eclipse Project	🟢	🔗	📄	🔍	🔗	🔍
JDT - Java development tools	🟢	🔗	📄	🔍	🔗	🔍
PDE - Plugin Development Environment	🟢	🔗	📄	🔍	🔗	🔍
Eclipse Platform	🟢	🔗	📄	🔍	🔗	🔍
Eclipse Project Incubator	🟡	🔗	📄	🔍	🔗	🔍
Eclipse Modeling Project	🟢	🔗	📄	🔍	🔗	🔍
Modeling Amalgamation Project	🔴	🔗	📄	🔍	🔗	🔍
Generative Modeling Technologies (GMT)	🟢	🔗	📄	🔍	🔗	🔍
Graphical Modeling Framework	🟢	🔗	📄	🔍	🔗	🔍
Model Development Tools (MDT)	🟡	🔗	📄	🔍	🔗	🔍
Eclipse Model Framework Technology (EMFT)	🟡	🔗	📄	🔍	🔗	🔍
Model-to-Model Transformation (M2M)	🟡	🔗	📄	🔍	🔗	🔍
Model To Text (M2T)	🟡	🔗	📄	🔍	🔗	🔍
Eclipse Modeling Framework (EMF)	🟢	🔗	📄	🔍	🔗	🔍
Textual Modeling Framework	🔴	🔗	📄	🔍	🔗	🔍
Eclipse RT	🟢	🔗	📄	🔍	🔗	🔍
Equinox	🟢	🔗	📄	🔍	🔗	🔍
Eclipse Persistence Services Project	🟢	🔗	📄	🔍	🔗	🔍
Riena Platform Project	🟡	🔗	📄	🔍	🔗	🔍
SMILA	🟡	🔗	📄	🔍	🔗	🔍
Swordfish	🟡	🔗	📄	🔍	🔗	🔍
SOA Tools	🟢	🔗	📄	🔍	🔗	🔍
Eclipse Technology Project	🟢	🔗	📄	🔍	🔗	🔍
Accessibility Tools Framework	🟡	🔗	📄	🔍	🔗	🔍
Albireo	🟡	🔗	📄	🔍	🔗	🔍
Aperi Storage Management Project	🟡	🔗	📄	🔍	🔗	🔍
Application Lifecycle Framework Project	🟡	🔗	📄	🔍	🔗	🔍
Babel	🟡	🔗	📄	🔍	🔗	🔍
BPPEL Designer Project	🟡	🔗	📄	🔍	🔗	🔍
Eclipse Communication Framework Project	🟢	🔗	📄	🔍	🔗	🔍





Collaboration sets Standards



Redefine the Marketplace



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13.10.2004 18:17

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IBM vereint Entwicklungswerkzeuge unter Eclipse vorlesen

Auf der Software Development Technical Conference ([SDTC](#)) in Strasburg löste [IBM](#) einen Widerspruch im eigenen Softwareportfolio auf: Die Entwicklungswerkzeuge der Websphere-Studio-Linie gehören nun zur Marke [Rational](#). Aus dem Websphere Studio Site Developer wird der Rational Web Developer for Websphere Software, unter anderem mit zusätzlicher Code-Generierung für Java Server Faces ausgestattet. Aus dem Websphere Studio Application Developer wird der Rational Application Developer for Websphere Software, der nun auch UML-2.0-Modellierungs- und Refactoring-Funktionen beherrscht.



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Sun open sources Java under GPL

Sun may add another open-source license if there is not a rapid uptake of Java under GPL

By China Martens, IDG News Service
November 13, 2006

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Nokia makes Symbian open source

Author: Gareth Halfacree
Published: 26th June 2008

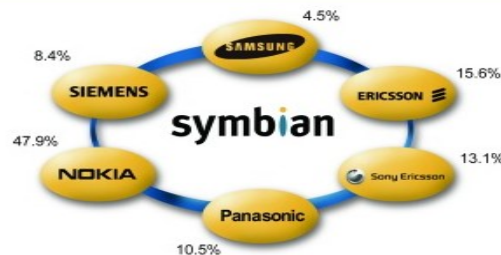
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Yet another company has decided to put its hard-earned into the open source movement according to plans published this week.

Possibly responding to the threat of Google's Android mobile 'phone development platform, Finnish giant Nokia has announced that it is to buy the rights to the Symbian operating system for €264 million; and then give it away.

According to an article published on [Ars Technica](#) this week, Nokia is in the process of purchasing the rights to all Symbian technologies from their respective holders to add to its current half-share. While the components in question – which include the Series 60 operating system, the UIQ GUI, and the Mobile Oriented Applications Platform from NTT DoCoMo – will initially only be available to members of the Symbian Foundation, the plan is to make the whole lot open source within two years.

The technologies are to be released under the [Eclipse Public Licence](#), designed to be a less bitter pill for businesses to follow than the hard-line copyleft licences like the GPL. A major difference between the GPL and the EPL is in the latter granting distributors the ability to segregate improvements they have made from



Nokia will splash €264 million on buying the remaining rights to Symbian, before giving it all away.

Sources:
- Infoworld
- Heise
- bit-tech.net



Business Value of Interaction

- Applies to producers and distributors
- Does not necessarily apply to consumers!

1. Use	2. Contribute	3. Champion	4. Collaborate	5. Redefine
Explore Reduce build costs Decrease time to market	Fill gaps in feature set of company's product Improve software quality	Champion OS project Steer new functionality and its evolution	Gain positional advantage for company's product in a market segment	Change value proposition of offer delivered to customers



Success is driven by

- Values
 - Open
 - Transparent
 - Meritocracy
 - Free

- Technology Portfolio
 - Generic assets
 - Industry relevant assets
 - Extensible architecture for participation

- Implementation
 - Development Processes
 - IP Processes
 - Collaboration Infrastructure
 - Brand recognition



So Far

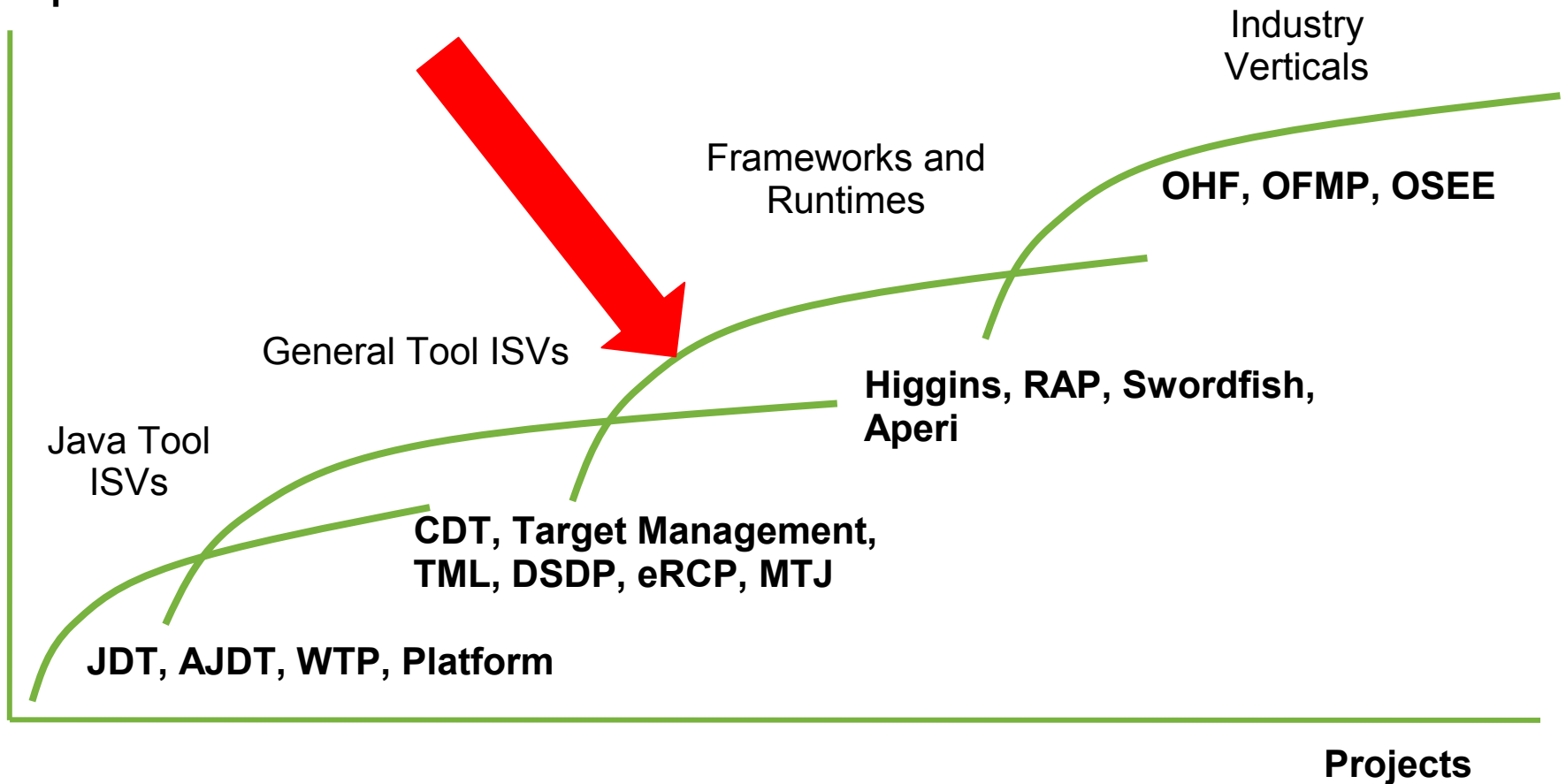
- Open Source projects have producers, distributors and consumers
- The value creation is mainly in the hands of the producers and distributors
- The value capture (business benefit) is mainly in the hands of the producers and distributors

Eco System: Today and Tomorrow



Participating
Groups

WE ARE HERE



Mutation...

- **The software edition does not bring an added value corresponding to the required cost**
 - Licenses costs are expensive (not linked to the real value of the tool)
 - Maintenance costs are expensive, although there is finally no real guarantee
 - Evolution costs are prohibiting
 - Lack of continuity in front of very long lifecycle product
 - No mastering of the tools, their evolutions and the editor strategy by the users
- **The question is : Is there a new model for software tools that could respond to our constraints ?**
 - **Open source is a possible response**

From an Airbus / EADS Presentation

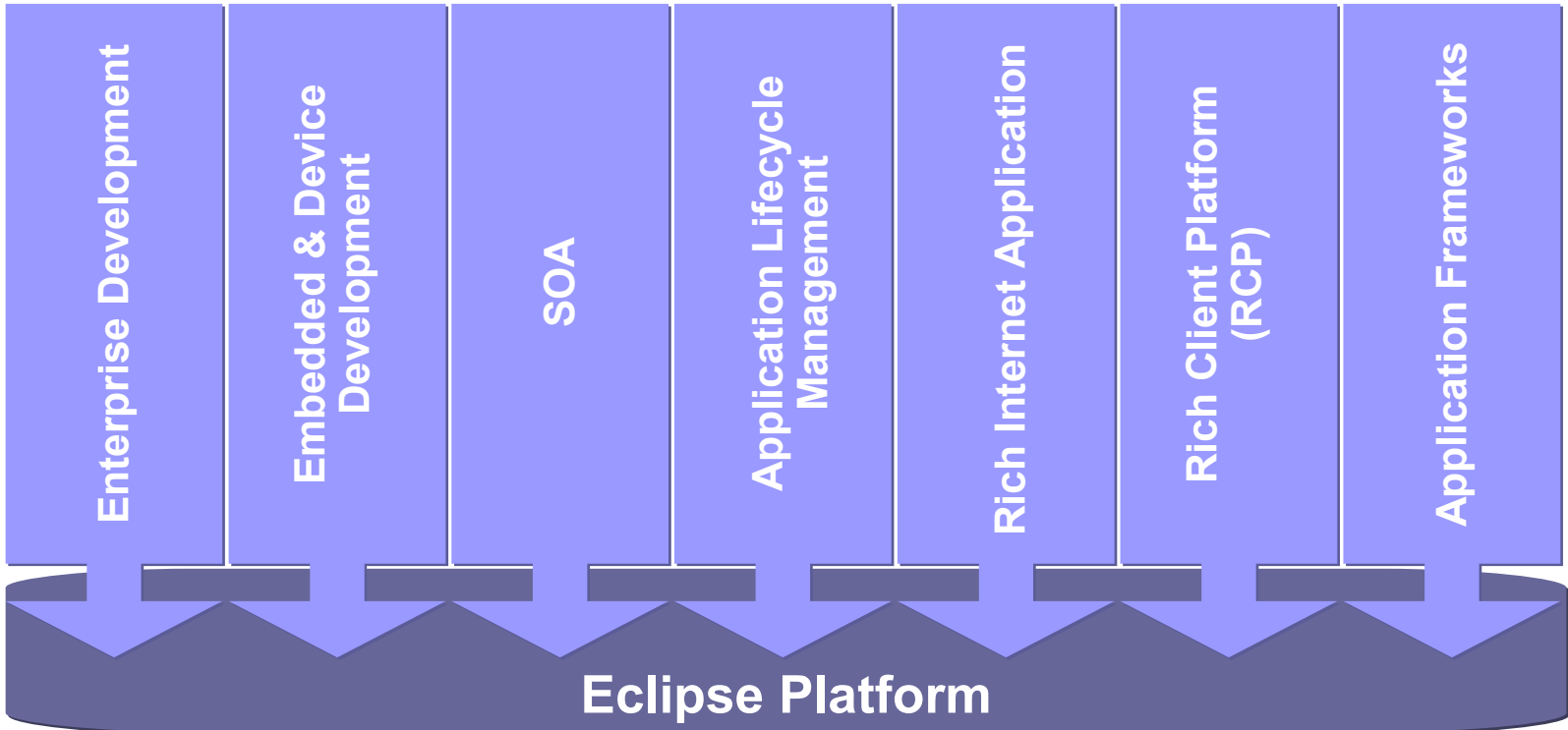


Reasons for Industry Participation

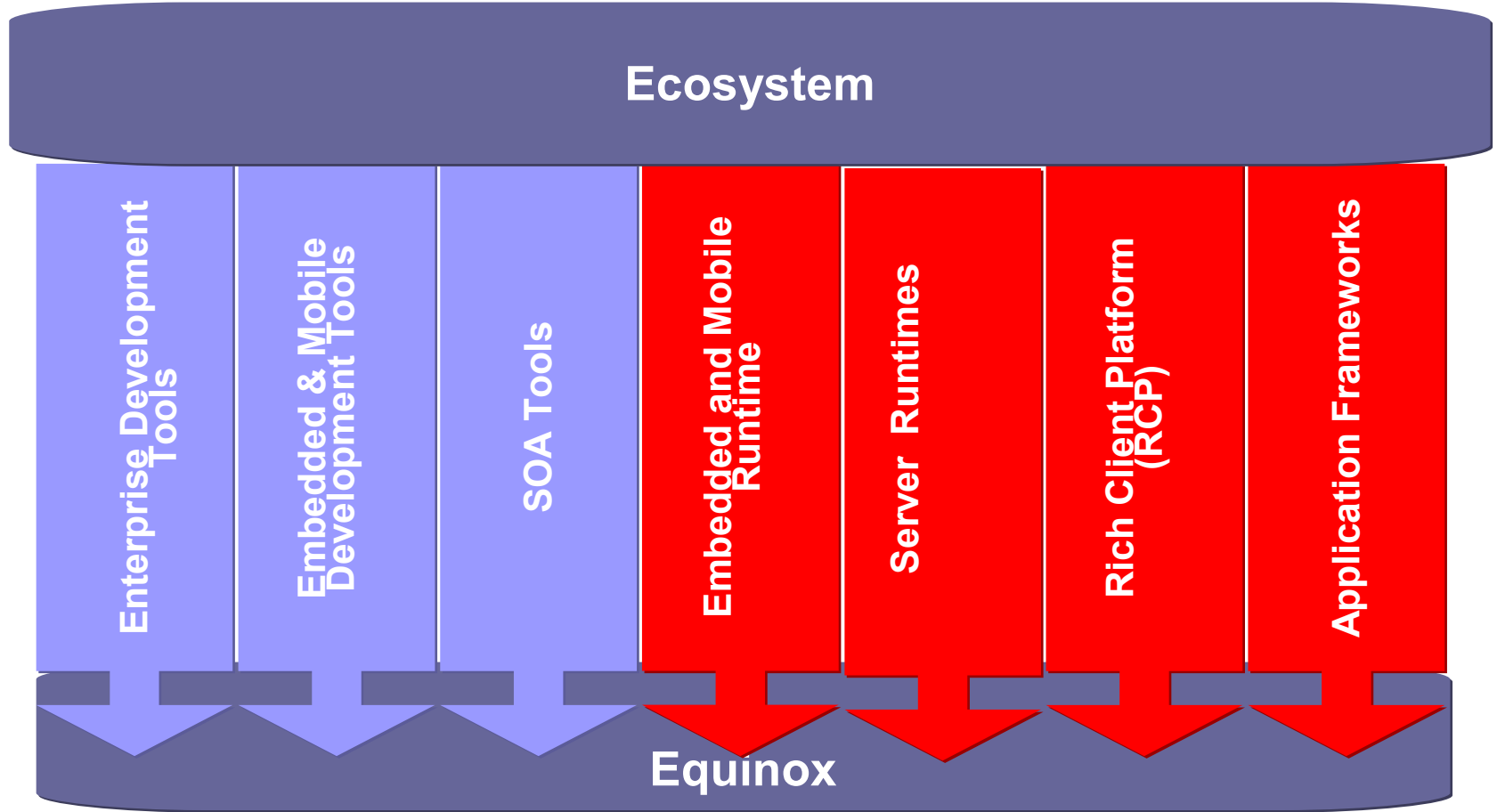
- The consumers will participate in the value creation process
- They use the Open Source system to solve their issues

1. Use	2. Contribute	3. Champion	4. Collaborate	5. Redefine
Explore Reduce build costs Decrease time to market	Fill gaps in feature set of company's product Improve software quality	Champion OS project Steer new functionality and its evolution	Create an industry platform for shared infrastructure Keep control over crucial assets	Redefine the relationship with your software supply chain

Technology Portfolio: Pillars of Eclipse



Pillars of Eclipse – Tools and Runtimes



Getting Ready

Types of Membership

There are five main types of membership, four for organizations, one for individuals:

1. **Associate Members** are organizations that participate in, and want to show support for, the Eclipse ecosystem.
2. **Solutions Members** are organizations that view Eclipse as an important part of their corporate and product strategy and offer products and services based on, or with, Eclipse. These organizations want to participate in the development of the Eclipse ecosystem. Solutions Members were previously known as "Add-In Providers".
3. **Enterprise Members** are organizations that rely heavily on Eclipse technology as a platform for their internal development projects and/or act strategically building products and services built on, or with, Eclipse. These organizations want to influence and participate in the development of the Eclipse ecosystem.
4. **Strategic Members** are organizations that view Eclipse as a strategic platform and are investing developer and other resources to further develop the Eclipse technology.



The screenshot shows the website for the Open Source Business Foundation (OSBF). The header features the OSBF logo (OSBF) and the text "Open Source Business Foundation". Below the header is a navigation menu with links: "Startseite", "Kontakt", "Impressum", "Was ist neu", "Suchen", and "Mein Konto". The main content area is titled "Über uns" and includes a sub-menu with "View", "Outline", "Revisions", "Track", and "Translation". The text below describes the OSBF as a network of companies, institutions, and individuals interested in open-source software, established in May 2006 in Nuremberg. The left sidebar shows a "Languages" section with "English" and "German" options, and a "Ralph Müller" section with a list of links: "Die Foundation", "Über uns", and "Der Vorstand".

Industrial-strength Software for Vertical Industries

- Rich technology portfolio
- Consortia- and commerce-friendly licensing model
- Well-defined and implemented 'forge' services (IP Process, development process, project mentoring, simultaneous release)
- World-wide brand recognition
- Well-defined governance model
- Large international technical community and commercial eco system
- Durable open source project
- Platform orientation

Hacker Culture Meets Industry



Hacker Culture Meets Industry





Thank you -

Ralph Mueller
Director, Eclipse Eco Systems Europe
ralph.mueller@eclipse.org

Picture Credits: <http://wikipedia.org>