ECLIPSE
OPEN SOURCE DEVELOPER REPORT

JUNE 2012

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ABOUT THE SURVEY

• Survey was open to the Eclipse community from April 23 to May 15, 2012. The primary method for promoting the survey was news posting on eclipse.org home page, twitter, Facebook and forums postings.

• 840 individuals responded to the survey and 732 completed the survey. The results are based on the 732 completed survey responses.

• This report is a summary of the overall results. Some results of some questions only include the more popular options. In addition, not all the questions are reported. The details data is available at http://eclipse.org/org/community_survey/Survey_Final_Results_2012.xls or http://eclipse.org/org/community_survey/Survey_Final_Results_2012.ods

• Eclipse Foundation has run a similar surveys in previous years. Comparison in this report are from the results of these surveys.
DEMOGRAPHICS
Which of the following most closely describes your industry? (Choose one.)

- High-tech products: 38%
- Researcher: 19%
- Professional services: 8%
- Student: 7%
- Financial services: 7%
- Industrial products manufacturing: 7%
- Government (federal, state, local): 6%
- Individual - not affiliated with an industry: 5%
- Telecom carriers: 4%
- Other: 3%

- Significant representation from software and hardware vendors creating high-tech products
What is your best estimate of how many employees work at your organization? (Choose one.)

- Fewer than 100: 2%
- 100 to 999: 8%
- 1,000 to 4,999: 14%
- Individual, not affiliated with an organization: 11%
- 20,000 or more: 23%
- 5,000 to 19,999: 33%
- Don't know: 9%
WHAT ARE DEVELOPERS USING?
What is your primary operating system for software development? (Choose one.)

- **Windows**:
  - 2012: 55%
  - 2011: 63%
  - 2010: 58%
  - 2009: 64%

- **Linux**: 32.5%
  - 2012: 32.5%
  - 2011: 28%
  - 2010: 33%
  - 2009: 27%

- **Mac OSX**: 12%
  - 2012: 12%
  - 2011: 8.5%
  - 2010: 7.9%
  - 2009: 6.9%

- **Observations**:
  - 55% continue to use Windows; a decrease of 8% from 2011
  - Linux usage increased 4.5% to 32.5%
  - Mac usage increased 3.5% to 12%
What is the primary type of software you are personally involved in developing? (Choose one.)

- Web applications & Rich Internet Applications
- Server-centric & Middleware applications (client/server,…)
- Desktop client applications
- Plug-ins for Eclipse
- Research/scientific applications
- Embedded software
- Mobile applications

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What is the primary application server you typically use for deployed applications? (Choose one.)

- Apache Tomcat
- JBoss
- Jetty
- IBM WebSphere
- Other (specify)
- Glassfish
- Oracle WebLogic

Apache Tomcat continues to be the most popular application server.
Jetty usage almost doubled in 2012.
What is the primary server framework you use for deployed applications? (Choose one.)

- Spring
- EJBs
- Equinox (or other OSGi runtime)
- Servlets
- Other (specify)
- Java Server Faces (JSF)
- None - I'm not using a server framework

- Spring and EJBs continue to be the most popular server frameworks
- Equinox and OSGi usage increased by close to 2x in 2012
What is the primary source code management system you typically use? (Choose one.)

- **Subversion**
- **Git**
- **CVS**
- **GitHub**
- **Mercurial**
- **IBM Rational ClearCase**
- **IBM Rational Team Concert**

- Git and Github increased to 27% from 13% clearly showing momentum.
- Subversion decreased in 2012 but still #1 SCM.
What build and release management products do you typically use? (Select all that apply.)

- Ant
- Maven
- Jenkins
- Hudson
- Make
- PDE Build
- Sonatype Nexus
- Custom/in-house
- Other (specify)
- CMCreate
- Artifactory

- Maven usage saw a significant increase going from 31% to 42%
MOBILE
Are you or your organization planning to create applications for mobile devices (smartphones, tablets, etc.)

- Developed apps for internal users
- Developed apps for external users
- Developed mobile apps for internal and external users
- Plans to develop apps in the next 6 months
- Plans to develop apps in the next 7-18 months
- No plans to develop mobile applications
- Don't know

- 43% have developed a mobile app for internal and external users
- Only 24% have no plans for mobile apps; a decrease from 31.6% in 2011
MOBILE PLATFORMS

What platforms are your targeting for your mobile applications? (Choose all that apply)

- Android
- Apple iOS
- Optimize web site for mobile devices
- RIM Blackberry
- MS Windows Phone
- Symbian
- HP Palm WebOS
- Samsung Bada

- 2012
- 2011

✓ Android and Apple iOS continue to be the dominate mobile operating systems
What mobile frameworks and platforms do you use? (Choose all that apply)

- None, only use the Mobile OS SDK: 59.6%
- jQuery Mobile: 28.6%
- PhoneGap: 17.9%
- Sencha Touch: 7.9%
- Dojo Mobile: 4.9%
- Appcelerator: 2.8%

Most developers are just using the SDK from the operating system vendor.
jQuery Mobile and PhoneGap are the more popular frameworks.
ECLIPSE AND COMMUNITY PARTICIPATION
OSS CORPORATE POLICY

What best describes your organization's policy towards the use of open source software? (Choose one.)

- Has a business model that relies on open source software for its success
- Contributes significant development resources (contributors, committers and/or maintainers, project leaders) to at least one open source...
- Uses open source software and contributes back (through bug reports, code, resources) to at least one open source project community...
- Uses open source software, but does not interact with open source project communities in any way
- Does not allow the use of any open source software

![Bar chart showing policy trends from 2010 to 2012](chart)

- Blue: 2012
- Red: 2011
- Gray: 2010

- Corporate policies gradually become more positive towards open source participation

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WHY CONTRIBUTE TO OPEN SOURCE

Why do you contribute or participate in an open source project? (Choose all that apply)

- Like to give back and support open source... 54.0%
- It is a great way to learn about new technologies 36.3%
- I believe in the FOSS ethos/philosophy 35.9%
- I needed a feature or bug fix in an open... 33.4%
- I don't contribute to any open source projects 28.5%
- Enjoy the interaction with my peers working on... 24.8%
- Important for career development and resume 22.0%
- Paid to contribute 11.2%
- A good way to promote my consulting services 6.2%

✓ 71% of developers contribute or participate in open source projects
Do you spend time developing software/applications on your own personal time? If so, how many hours a month do you spend involved in personal programming or side projects not related to your day job?

- Do not program on my own time: 6%
- Less than 20 hrs/month: 4%
- Between 20-40 hrs/month: 16%
- Between 40-80 hrs/month: 23%
- More than 80 hrs/month: 51%

Most developers (84%) spend personal time developing software.
REASONS FOR PROGRAMMING ON PERSONAL TIME

Why do you spend your own time developing software/applications? (Choose all that apply)

- Enjoy programming and learning about new... 74.2%
- Keep my skills sharp by learning new... 71.1%
- As part of a personal hobby or pastime (e.g.... 64.6%
- To improve my own productivity at work. 49.2%
- I contribute to open source projects. 29.1%
- I’m developing an idea that could result in... 25.2%
- I like the idea of creating an application,... 17.1%
- To improve the productivity of others I work... 16.9%
- I want to get a job as a professional... 11.3%
- I contribute my time and talent to a civic... 8.9%

✓ Top 2 reasons for programming on personal time is to learn new technologies
What is the version of Eclipse you use most often? (Choose one.)

- Eclipse 3.7 (Indigo) 76.9%
- Eclipse 3.6 (Helios) 10.9%
- Eclipse 4.2 (Juno Milestone Builds) 5.3%
- Eclipse 3.5 (Galileo) 2.3%
- Eclipse 3.4 (Ganymede) 0.7%

Eclipse community continues to migrate to new releases of Eclipse very quickly.
In the last year, how have you participated in the Eclipse community? (Select all that apply.)

- I entered at least one bug into Bugzilla: 25.4%
- Developed a plug-in for Eclipse: 17.8%
- Responded to forum posts: 14.3%
- Helped other Eclipse users via Facebook, Twitter, etc.: 11.5%
- Wrote an article or blog post about Eclipse: 10.9%
- Entered at least one patch into Bugzilla: 9.7%
- Made an Eclipse-oriented presentation at a conference, etc.: 8.9%
- Active committer on a project and…: 6.7%
- Helped with testing/QA of an Eclipse project: 6.4%
- I wrote some documentation for an…: 5.6%
- I didn't use Eclipse: 2.3%
- Other (specify): 1.8%
- I used Eclipse but didn't actively…: 64.8%
Overall, how satisfied are you with Eclipse? (Choose one.)

- Very satisfied: 39%
- Satisfied: 51%
- Neutral: 8%
- Unsatisfied: 2%
- Very Unsatisfied: 0%

✓ Overall satisfaction remains high in the Eclipse community. 90% are very satisfied or satisfied.