# ECLIPSE OPEN SOURCE DEVELOPER REPORT

JUNE 2012

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.**
  - 2011 http://www.eclipse.org/org/press-release/20110610_survey.php
  - 2010 http://www.eclipse.org/org/press-release/20100604_survey2010.php
  - 2009 http://www.eclipse.org/org/press-release/20090527_survey09.php
  - 2007 http://www.eclipse.org/org/press-release/20071106_cbsurvey.php

DEMOGRAPHICS

INDUSTRY

**Which of the following most closely describes
your industry? (Choose one.)**

Legend:
- High-tech products
- Researcher
- Professional services
- Student
- Financial services
- Industrial products manufacturing
- Government (federal, state, local)
- Individual - not affiliated with an industry
- Telecom carriers
- Other

Chart values: 38%, 8%, 7%, 7%, 6%, 5%, 4%, 3%, 3%, 19%
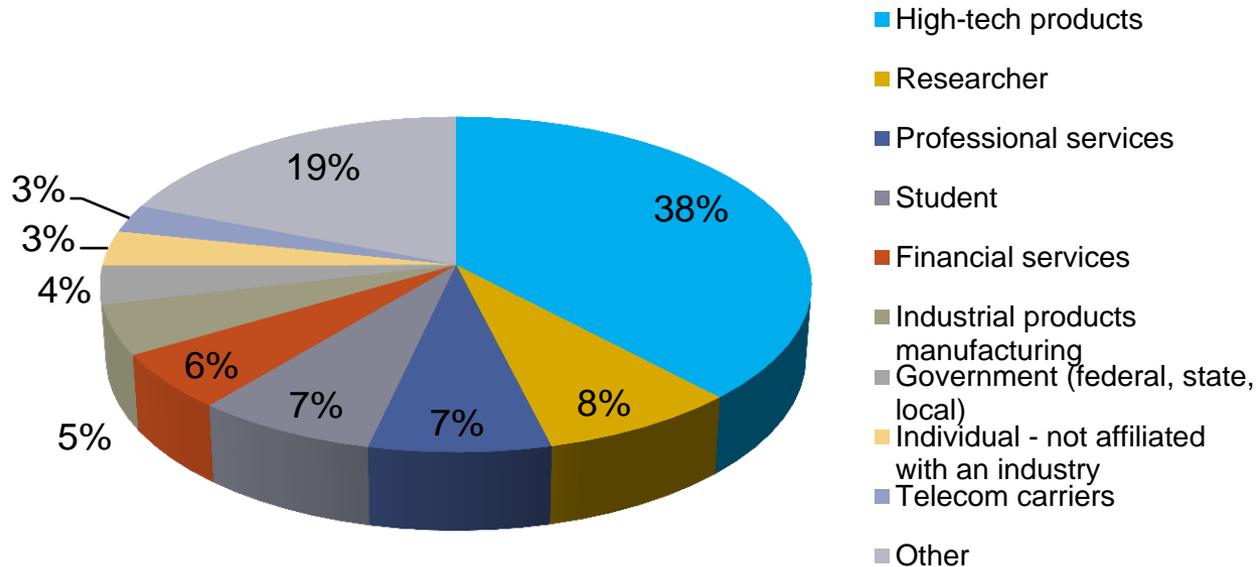
✓ Significant representation from software and hardware vendors creating high-tech products

ORGANIZATION SIZE

What is your best estimate of how many employees work at your organization? (Choose one.)

Legend:
- Fewer than 100
- 100 to 999
- 1,000 to 4,999
- Individual, not affiliated with an organization
- 20,000 or more
- 5,000 to 19,999
- Don't know

Pie values: 33%, 23%, 14%, 11%, 9%, 8%, 2%
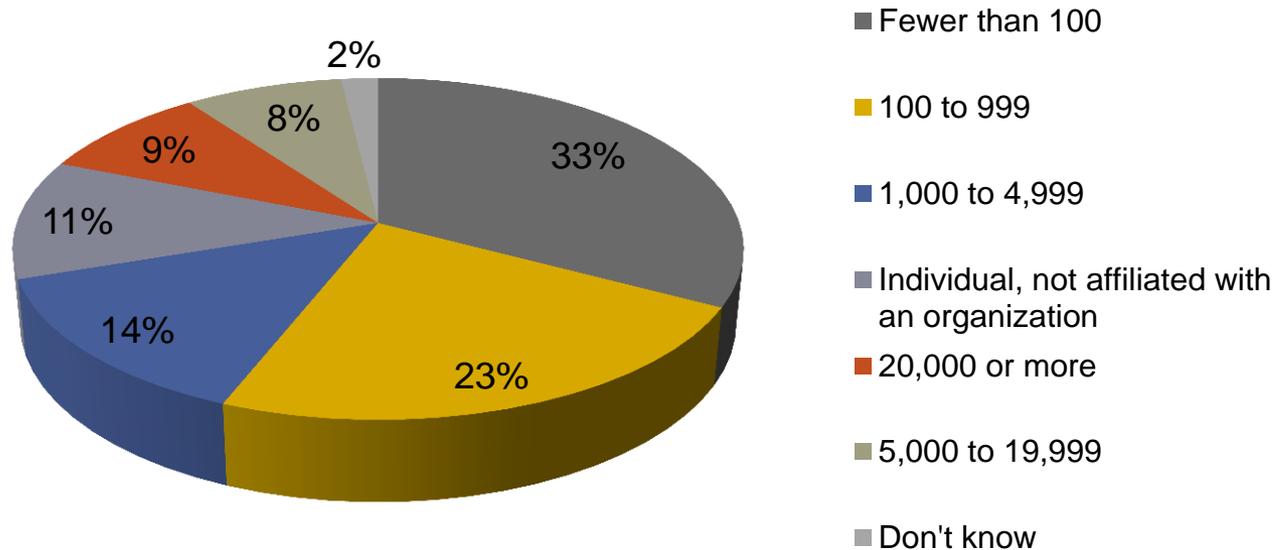
WHAT ARE DEVELOPERS USING?

DESKTOP OPERATING SYSTEM

What is your primary operating system for software development? (Choose one.)

Legend:
- 2012
- 2011
- 2010
- 2009

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

Linux:
- 32.50% (2012)
- 28% (2011)
- 33% (2010)
- 27% (2009)

Windows:
- 55% (2012)
- 63% (2011)
- 58% (2010)
- 64% (2009)
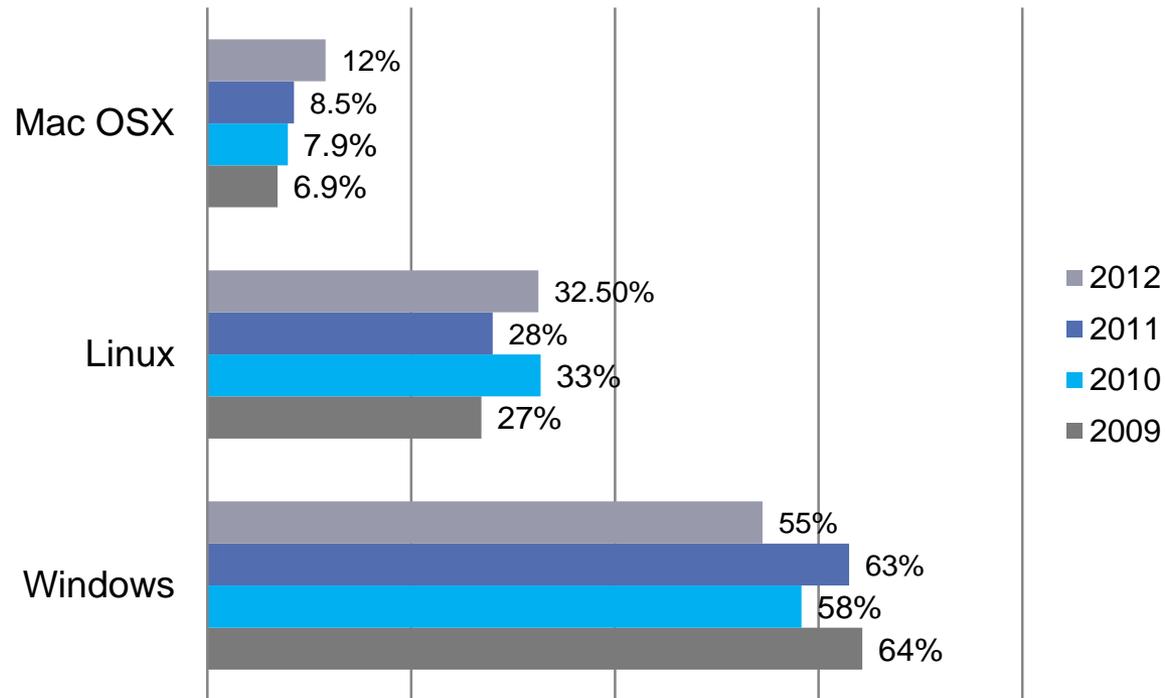
- ✓ 55% continue to use Windows; a decrease of 8% from 2011
- ✓ Linux usage increased 4.5% to 32.5%
- ✓ Mac usage increased 3.5% to 12%

TYPE OF SOFTWARE

What is the primary type of software you are personally involved in developing? (Choose one.)

Categories (top to bottom):
- 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

Legend:
- 2012
- 2011
- 2010

X-axis: 0% 10% 20% 30% 40%
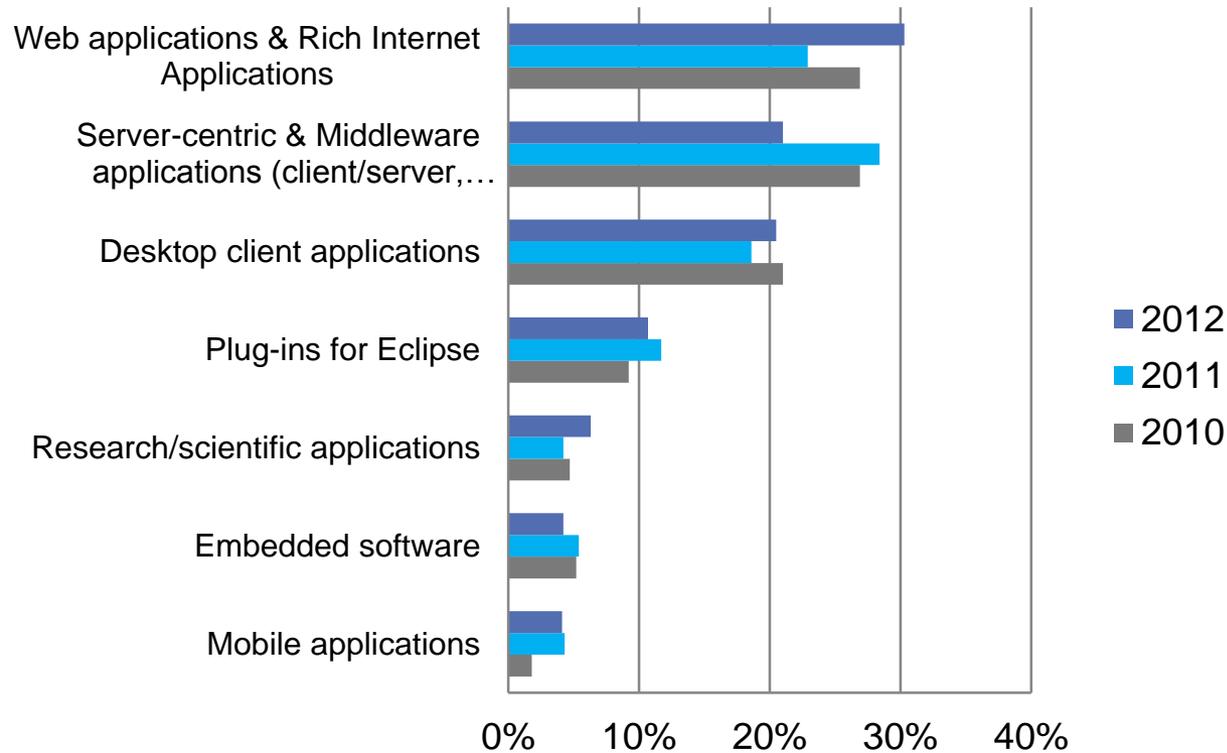
PRIMARY APPLICATION SERVER

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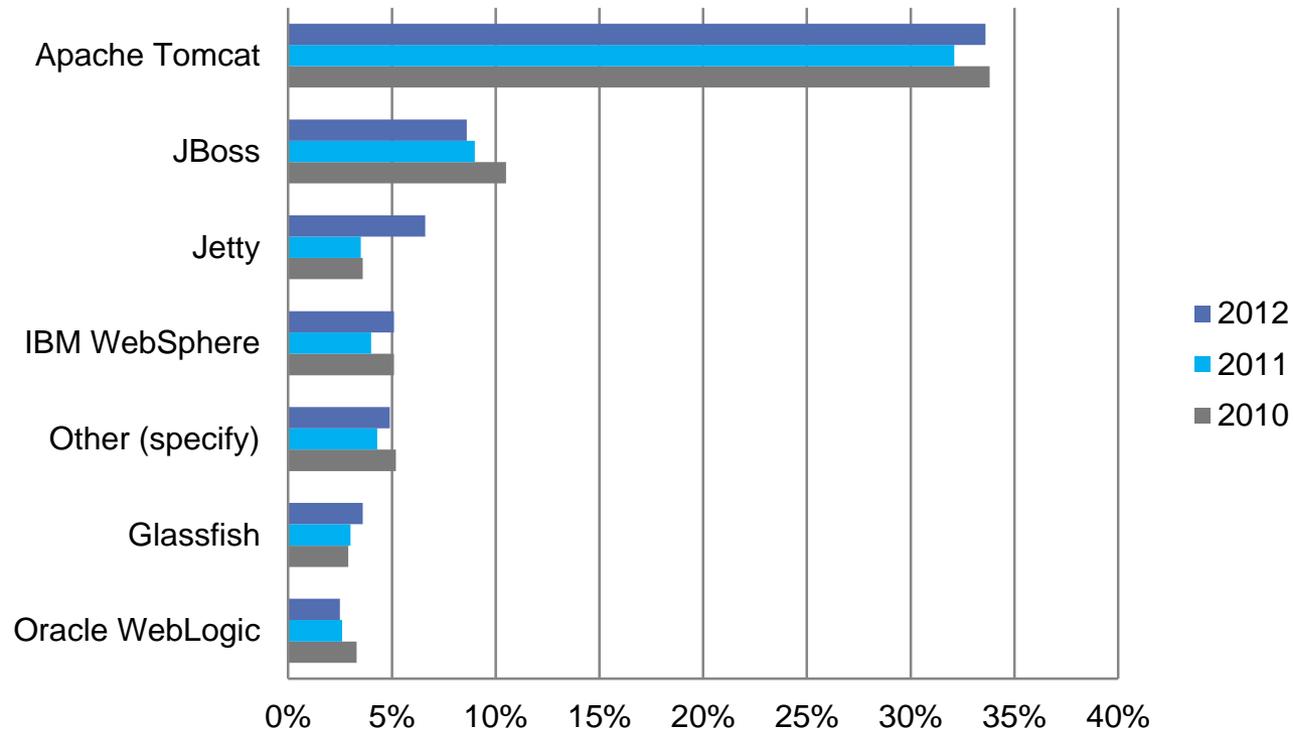
✓ Apache Tomcat continues to be the most popular application server
✓ Jetty usage almost doubled in 2012

SERVER FRAMEWORKS

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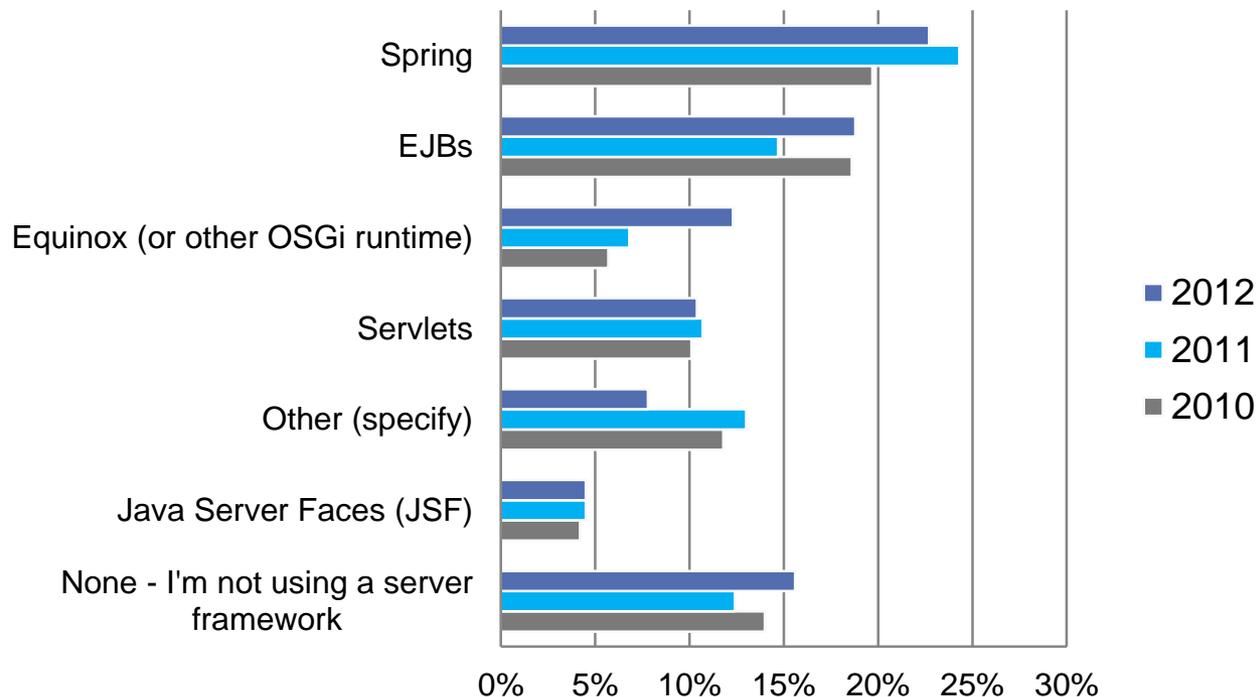

- ✓ Spring and EJBs continue to be the most popular server frameworks
- ✓ Equinox and OSGi usage increased by close to 2x in 2012

PRIMARY CODE MANAGEMENT

What is the primary source code management system you typically use? (Choose one.)
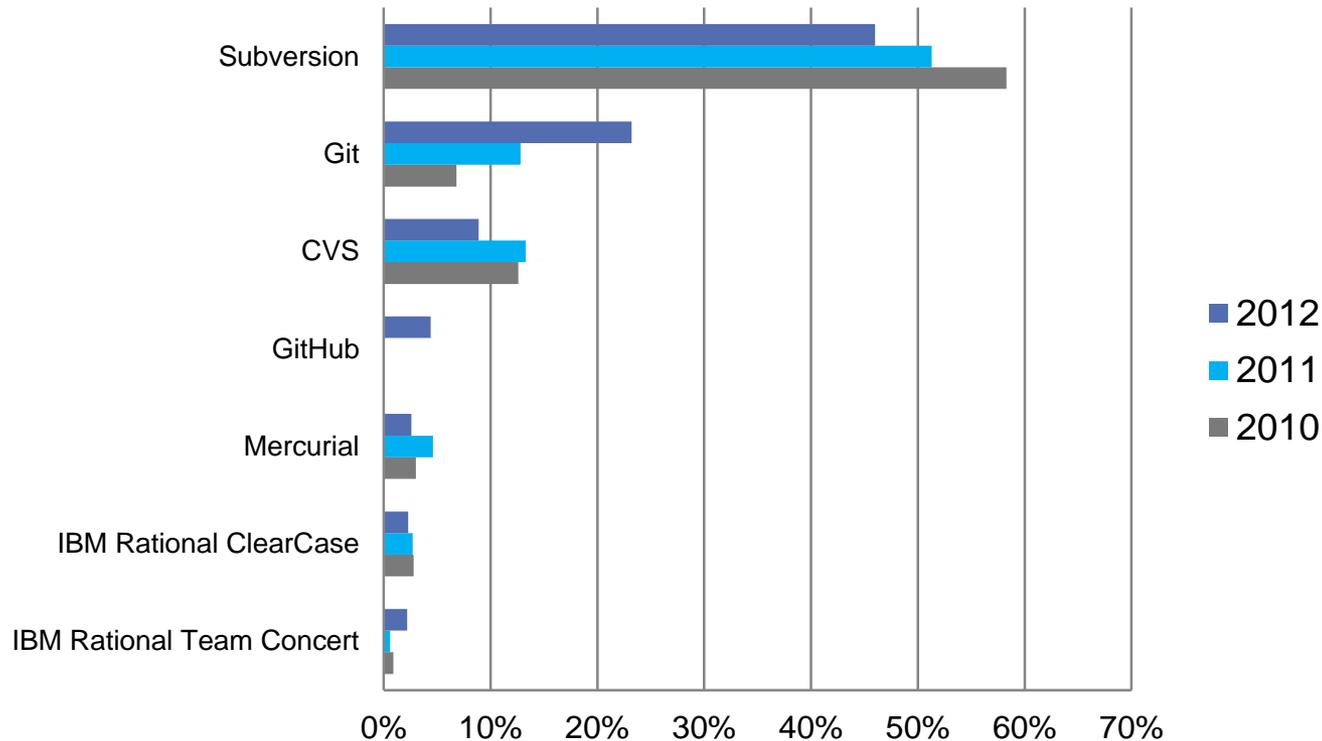
- ✓ Git and Github increased to 27% from 13% clearly showing momentum
- ✓ Subversion decreased in 2012 but still #1 SCM

BUILD AND RELEASE MGMT PRODUCT

What build and release management products do you typically use? (Select all that apply.)
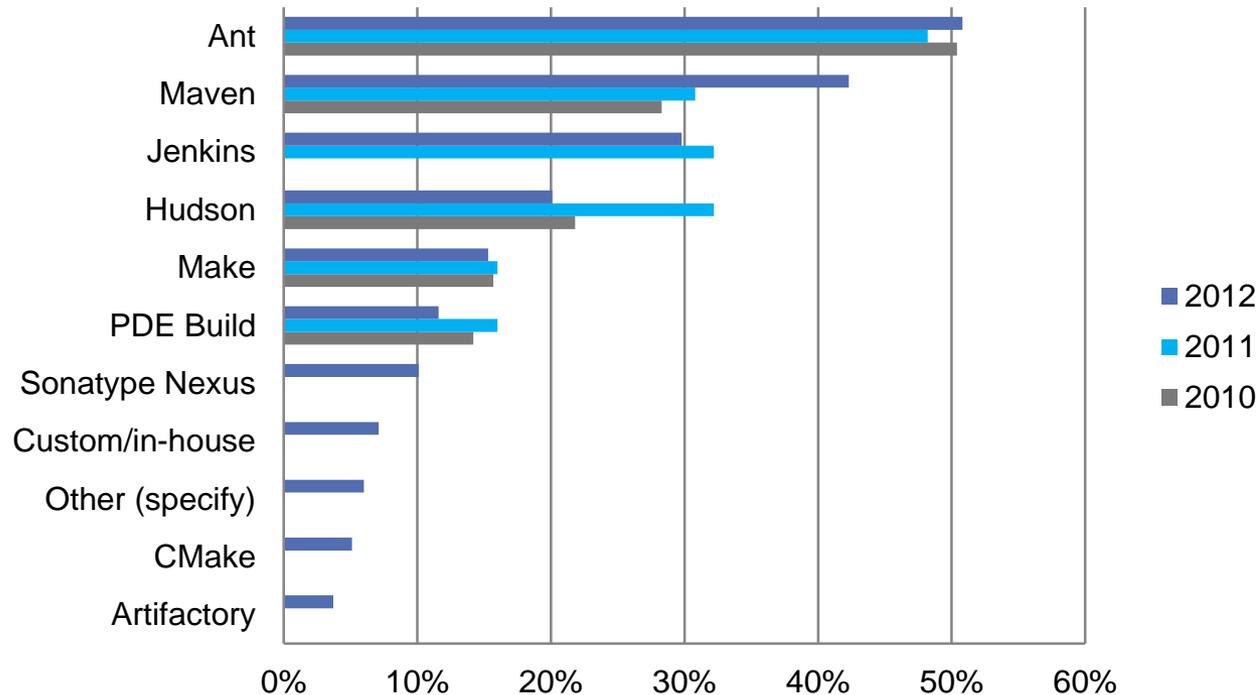
✓ Maven usage saw a significant increase going from 31% to 42%

MOBILE

PLANS FOR MOBILE

Are you or your organization planning to create applications for mobile devices (smartphones, tablets, etc.)
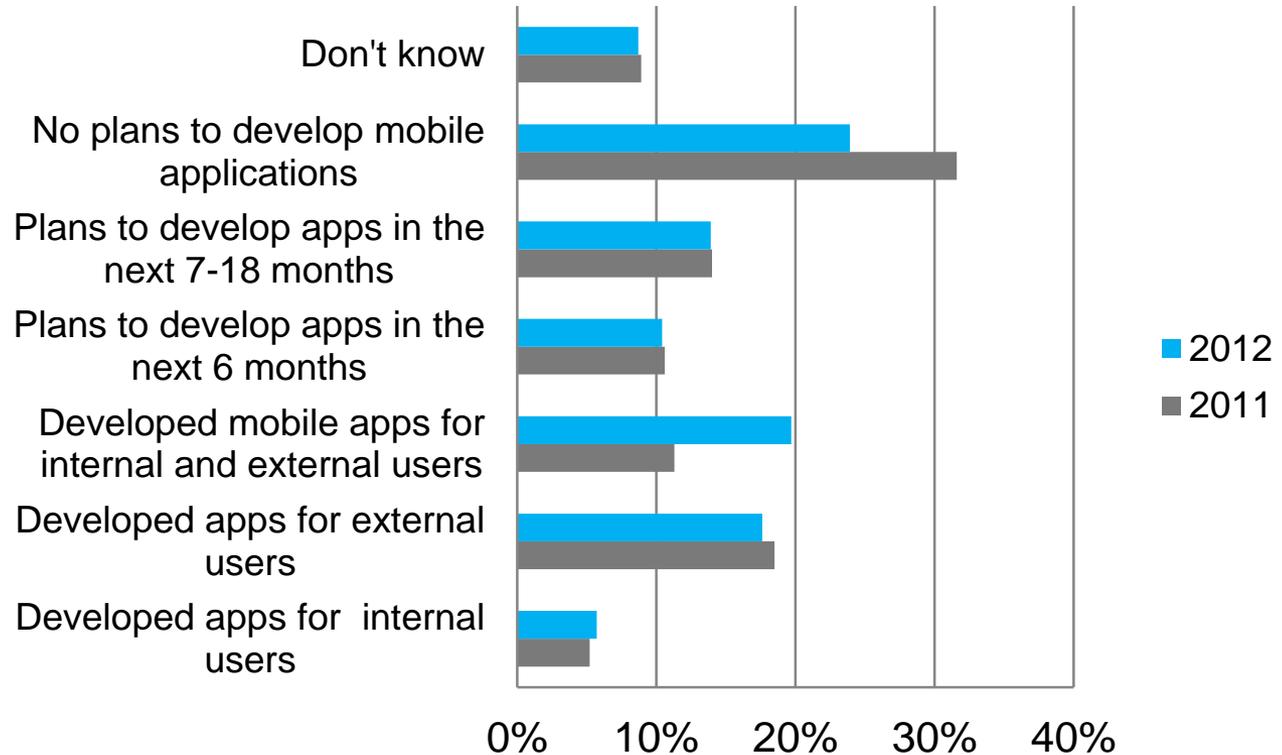

- ✓ 43% have developed a mobile app for internal and external users
- ✓ Only 24% have no plans for mobile apps; a decrease from 31.6% in 2011

MOBILE PLATFORMS

What platforms are your targeting for your mobile applications? (Choose all that apply)
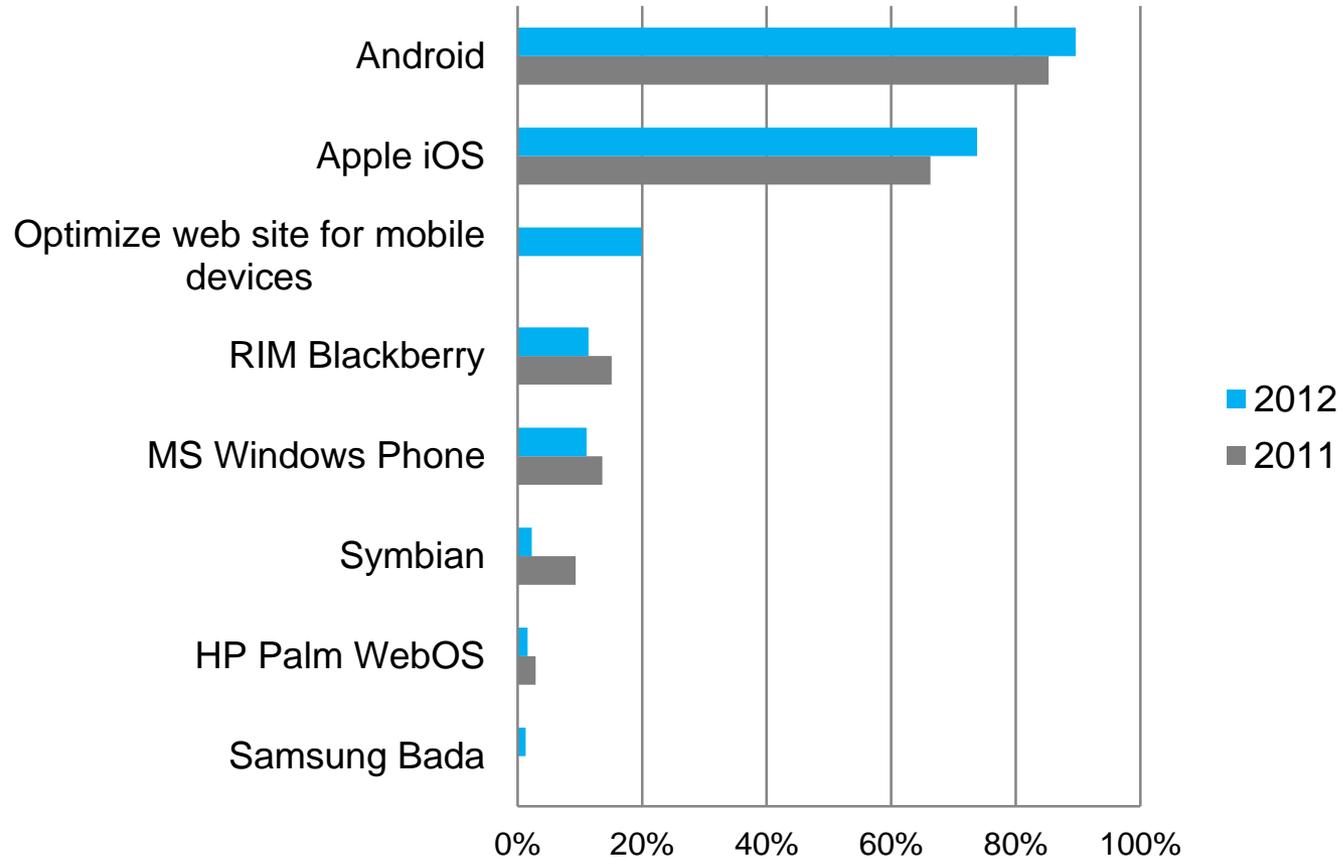
- ✓ Android and Apple iOS continue to be the dominate mobile operating systems

MOBILE FRAMEWORKS

What mobile frameworks and platforms do you use? (Choose all that apply)

Framework	Percentage
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%
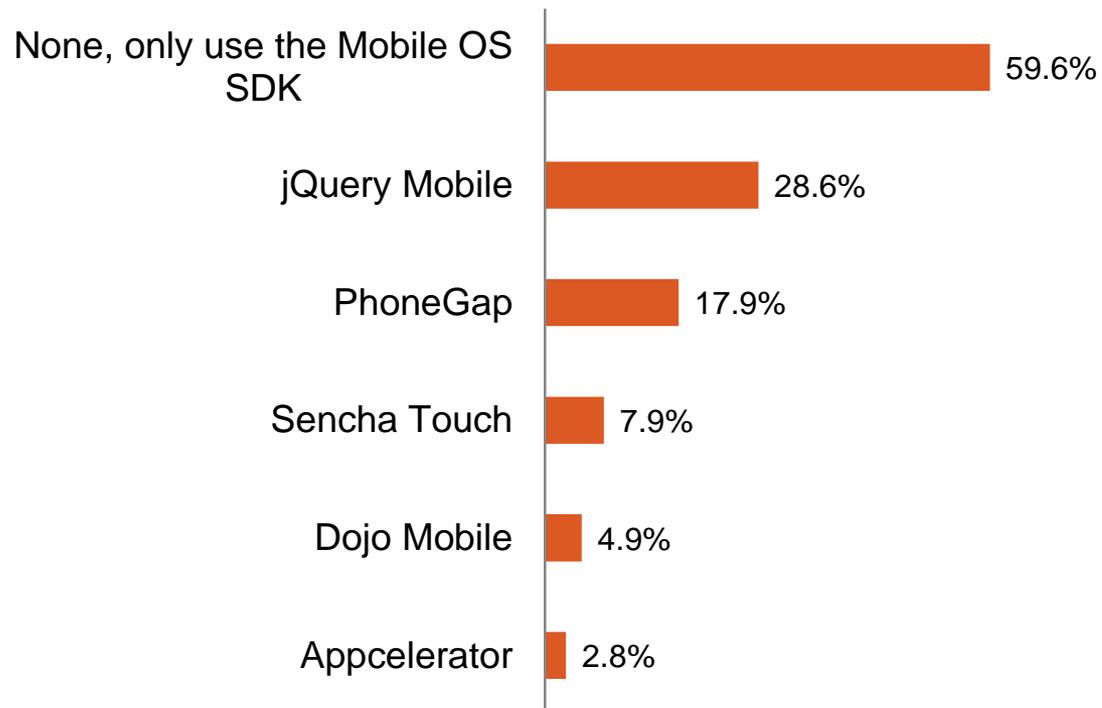
✓ Most developers are just using the SDK from the operating system vendor
✓ jQuery Mobile and PhoneGap are the more popular frameworks

ECLIPSE AND COMMUNITY PARTICIPATION

OSS CORPORATE POLICY

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

Legend:
- 2012
- 2011
- 2010

Categories (top to bottom):
- 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

X-axis: 0%, 10%, 20%, 30%, 40%, 50%

✓ Corporate policies gradually become more positive towards open source participation

Eclipse Open Source Developer Report 2012   6/7/2012

WHY CONTRIBUTE TO OPEN SOURCE

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

Reason	Percentage
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

PERSONAL TIME PROGRAMMING

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?

Legend:
- Do not program on my own time
- Less than 20 hrs/month
- Between 20-40 hrs/month
- Between 40-80 hrs/month
- More than 80 hrs/month

Pie chart values: 16%, 51%, 23%, 6%, 4%
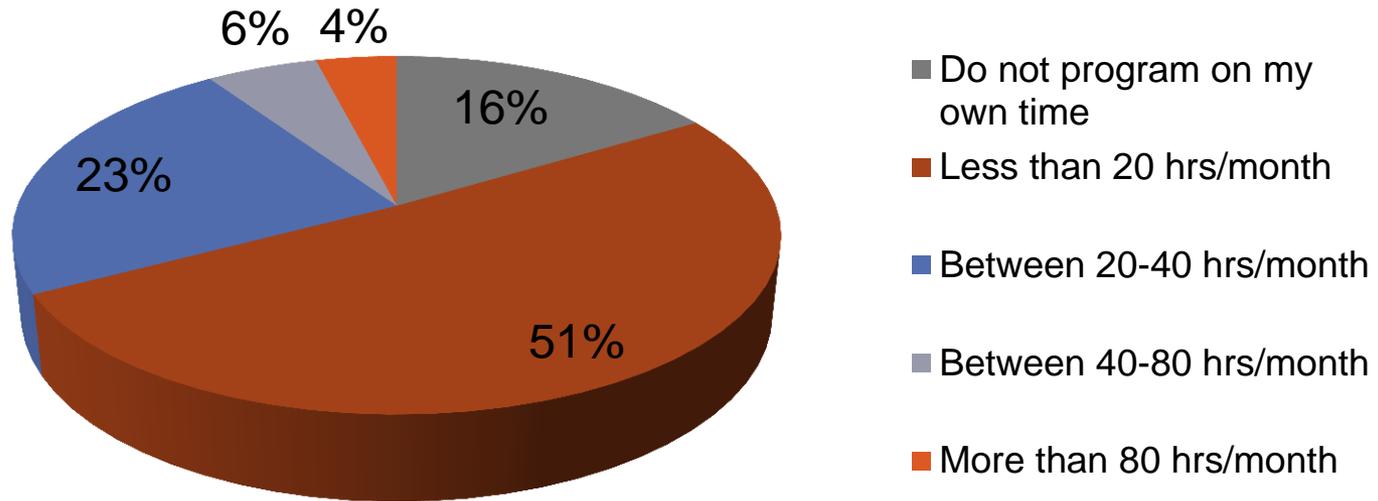
✓ Most developers (84%) spend personal time developing software

REASONS FOR PROGRAMMING ON PERSONAL TIME

Why do you spend your own time developing software/applications?

(Choose all that apply)

Reason	Percentage
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 programing on personal time is to learn new technologies

ECLIPSE VERSION ADOPTION

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%
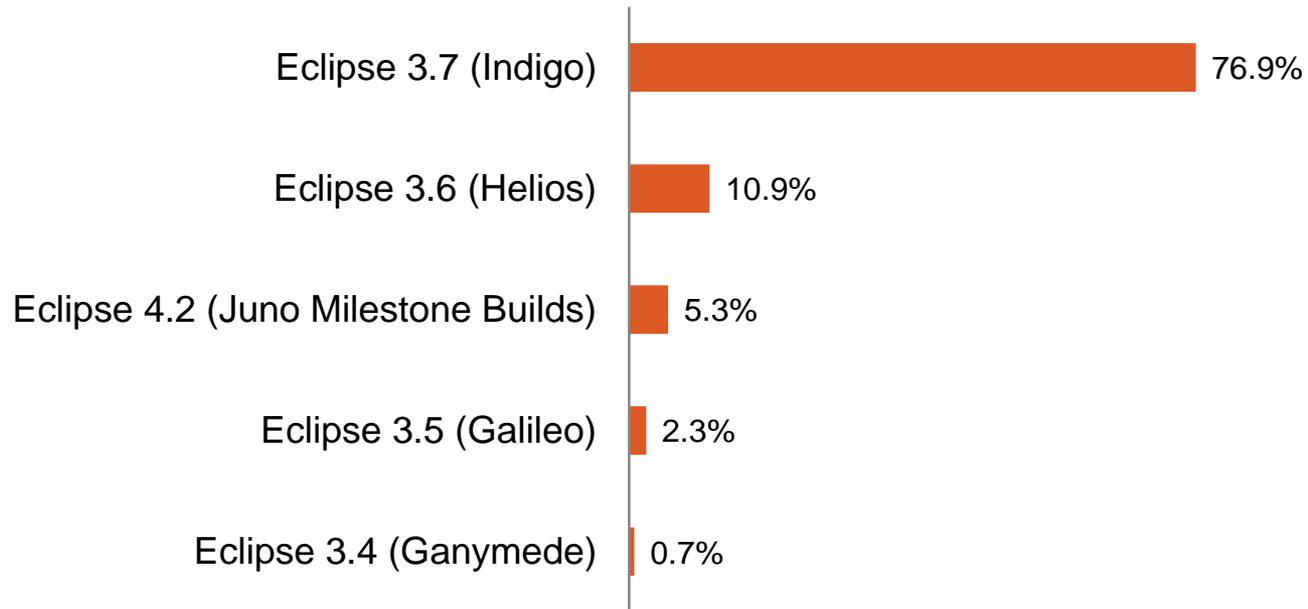
✓ Eclipse community continues to migrate to new releases of Eclipse very quickly

ECLIPSE COMMUNITY PARTICIPATION

In the last year, how have you participated in the Eclipse community? (Select all that apply.)

Response	Percentage
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,…	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…	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%

Eclipse Open Source Developer Report 2012   6/7/2012

SATISFACTION

Overall, how satisfied are you with Eclipse? (Choose one.)

8%   2%   0%

39%

51%

- ■ Very satisfied
- ■ Satisified
- ■ Neutral
- ■ Unsatisfied
- ■ Very Unsatisified
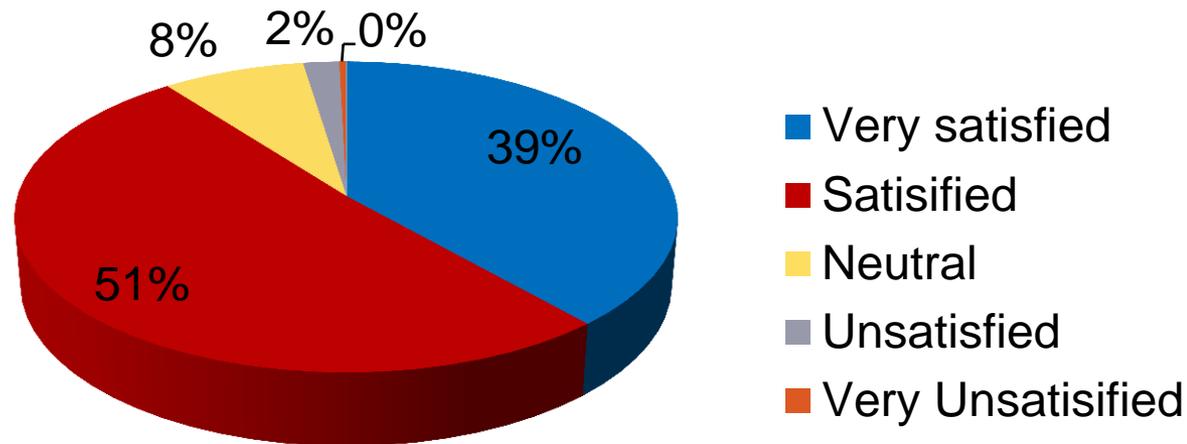
✓ Overall satisfaction remains high in the Eclipse community. 90% are very satisfied or satisfied.