



# *Liberating Java, Liberating the World*

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[sun.com/opensource/](http://sun.com/opensource/)

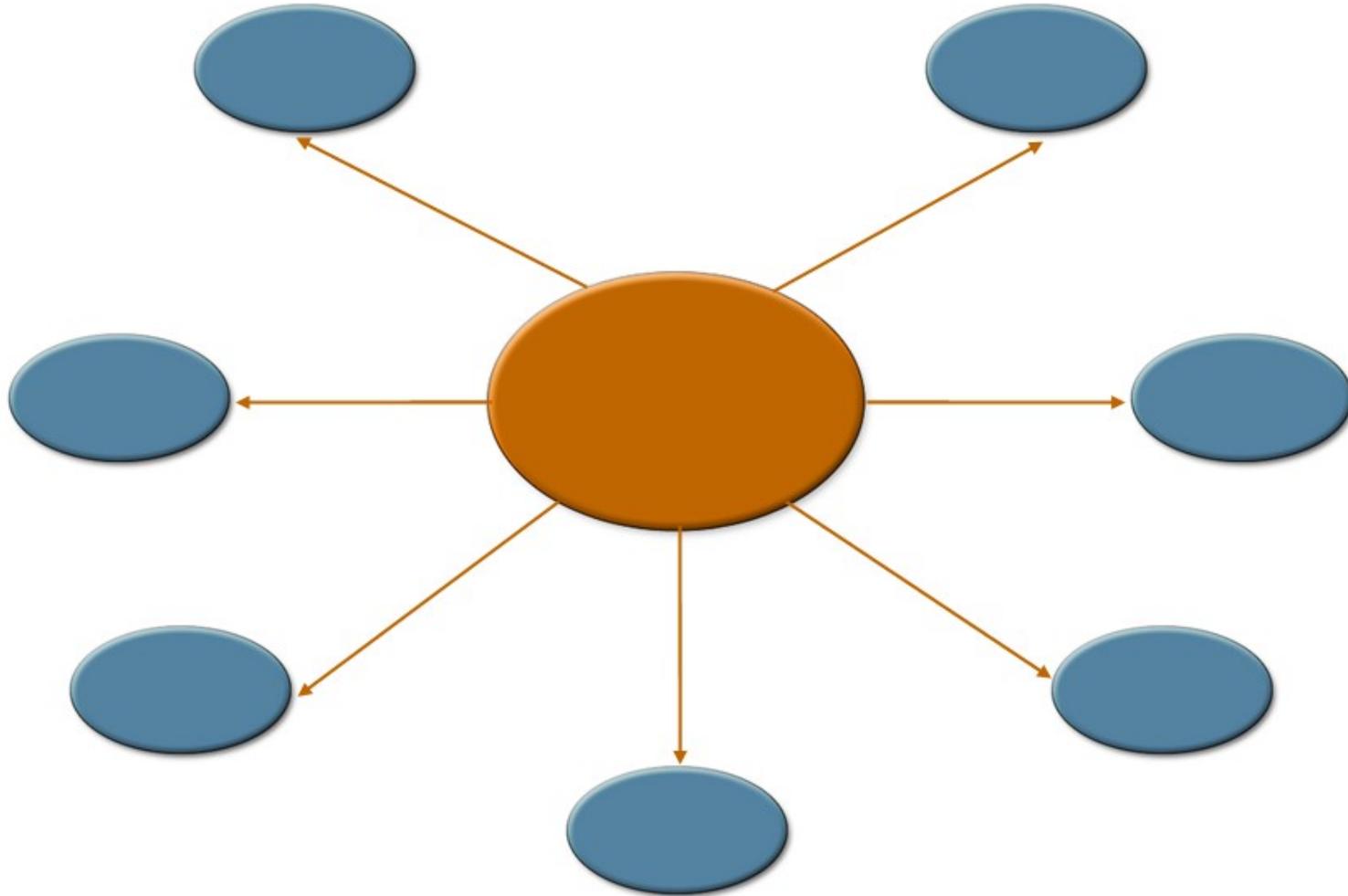
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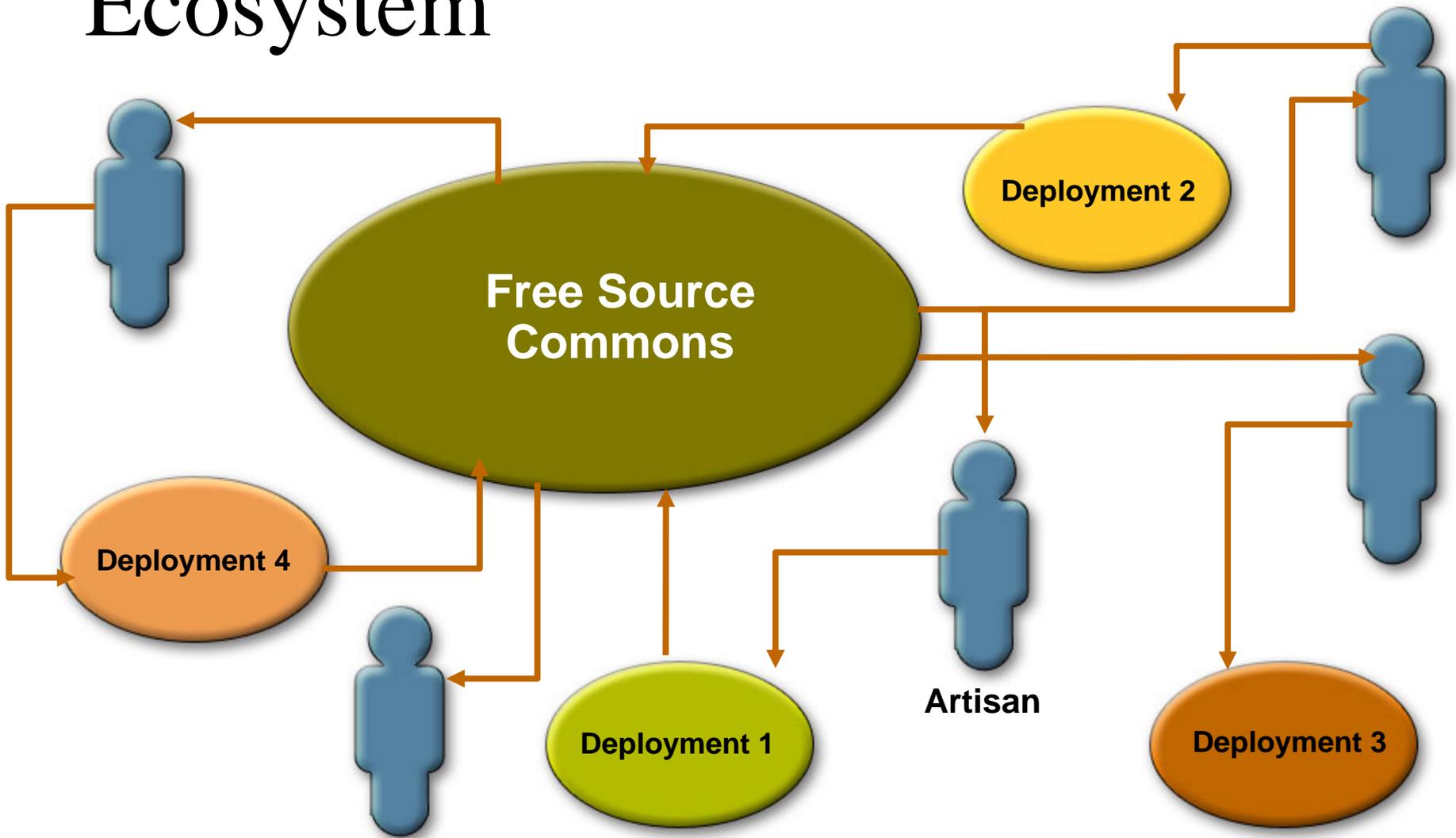
# Java™ Platform and Free Software

What Free Software and Open Source Development will mean to the Java Platform...and to the world.

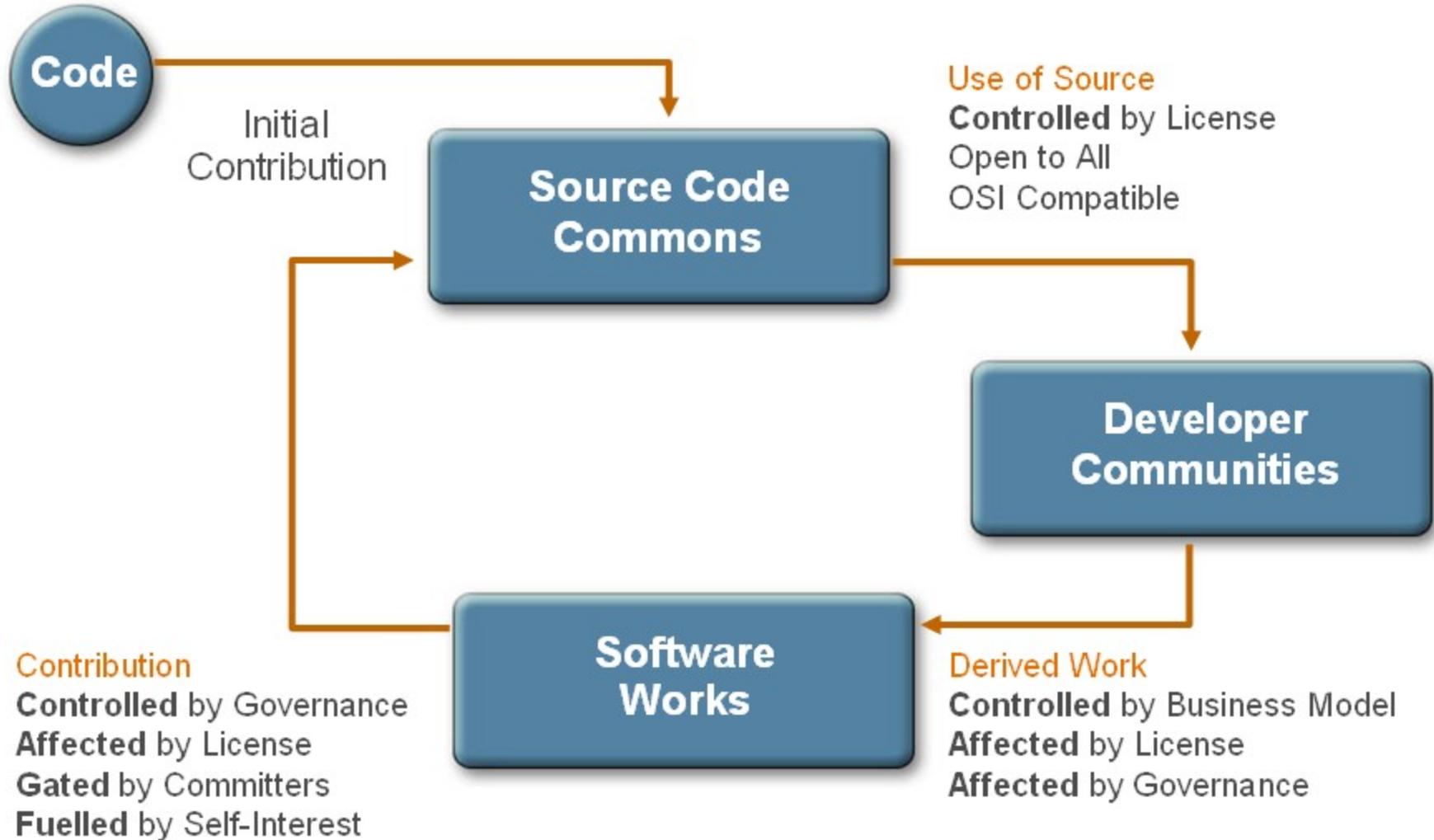
# From Hub-and-Spoke to Peer-to-Peer



# Open Source Ecosystem



# The Virtuous Cycle of Open Source



# Software Market 3.0

## Acquisition

c.1970-1980

**1.0 Indivisible from hardware**



c.1980-2000

**2.0 Sold unbundled**

c.2000-

**3.0 Pay at the point of value**

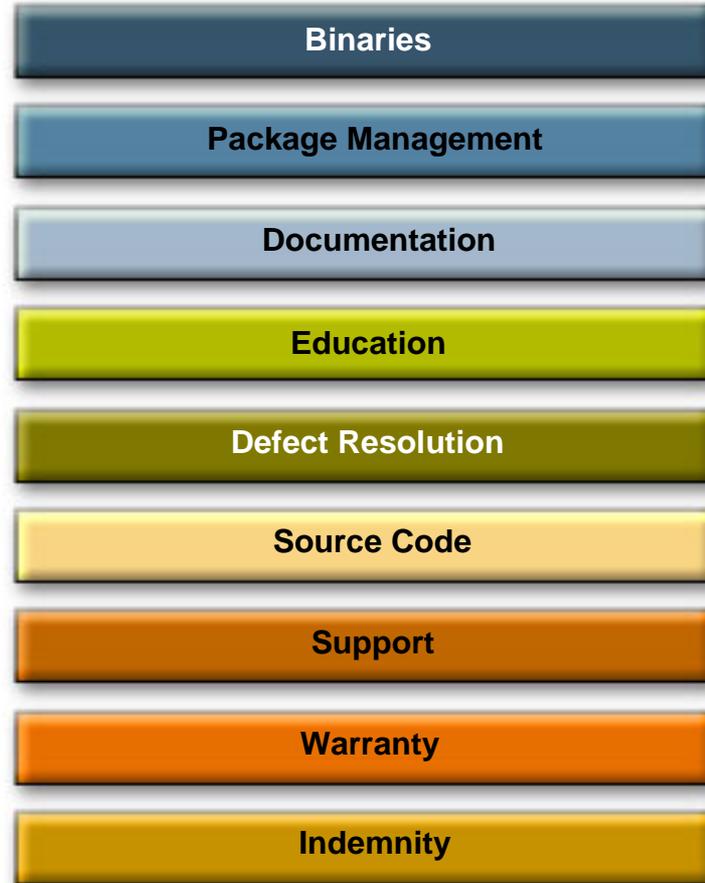
## Deployment



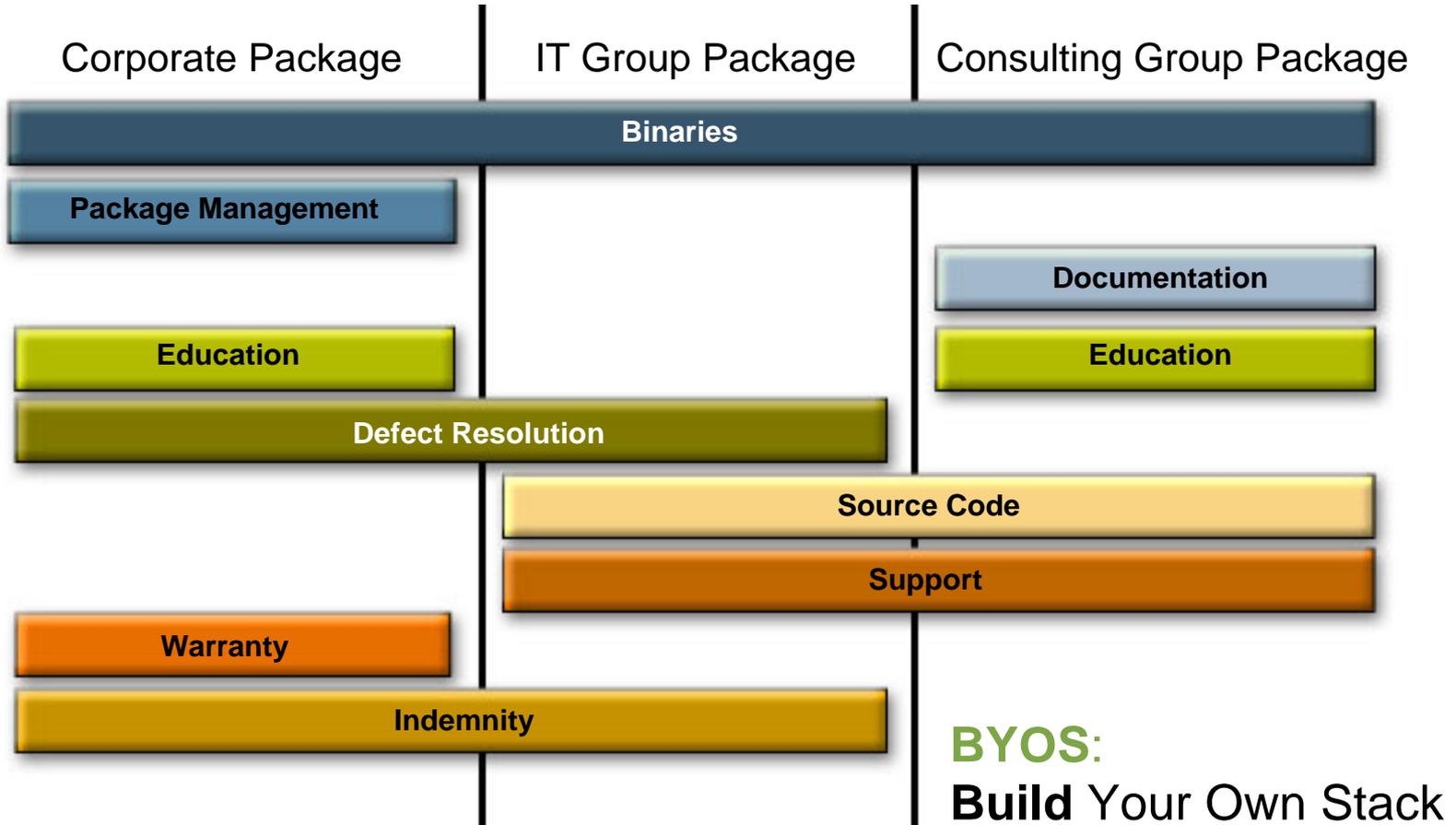
# Unweaving the Software Bundle



Commercial  
Software  
Package



# ...And the Advent of Choice



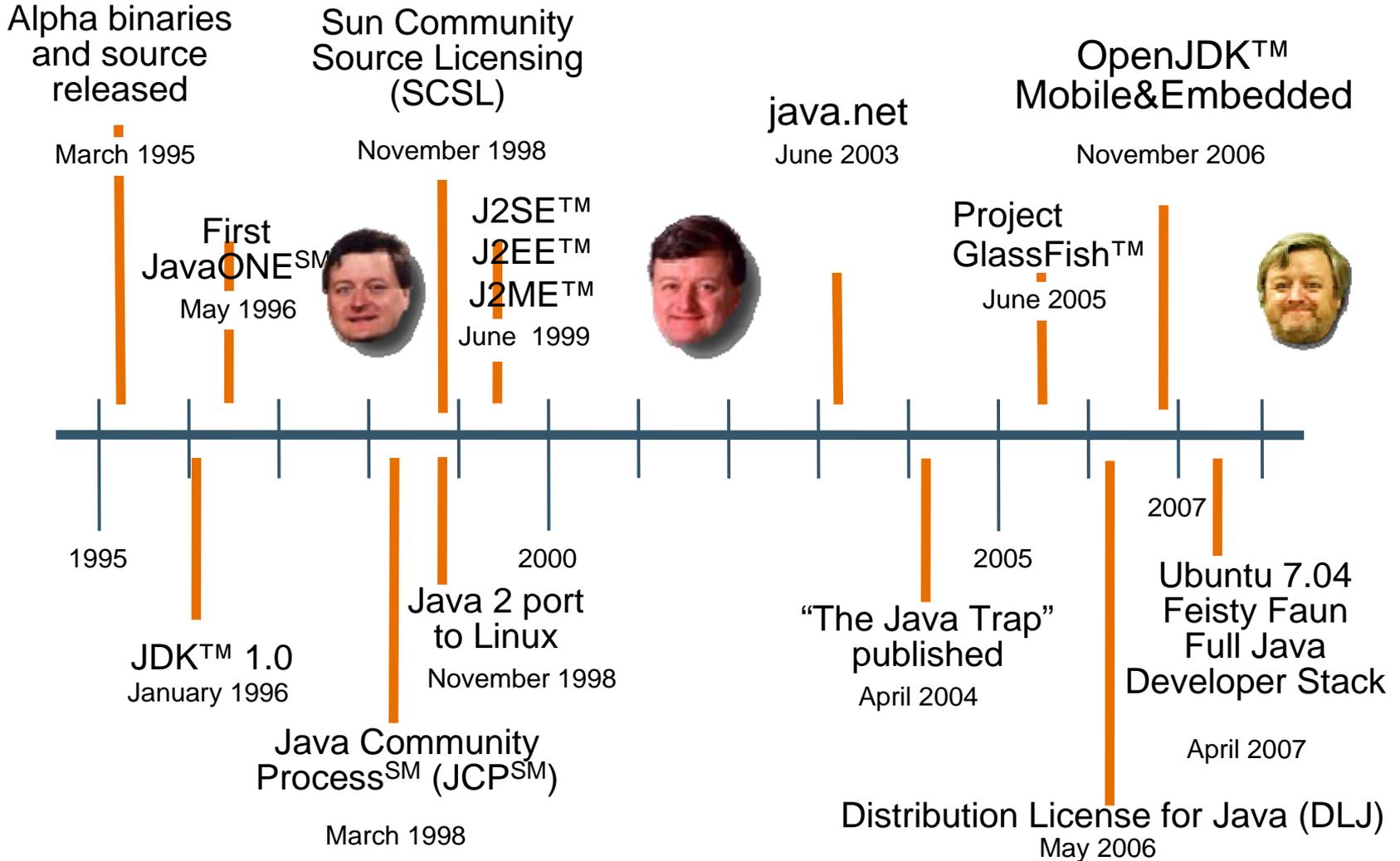
**BYOS:**  
**Build** Your Own Stack  
**Buy** Your Own Stack



# Open Source Communities Around Free Software



# Free Java Platform Timeline



JDK = Java Development Kit (JDK<sup>TM</sup>)

# The Time Is Right

**Maturity**

Java platform is everywhere today

**Adoption**

“Free” energizes the future

**Innovation**

It's up to all of us

# Q: What Happens When?

“The most significant all-encompassing and long-term trend that the software industry has seen since the early 1980s.” **(IDC Group)**

**meets**

**4 billion** Java platform devices and  
**5 million** Java platform developers?

**A: Ask the 5 million  
developers**

# The Brazilian Experience



# Ubuntu 7.04 (Feisty Faun)



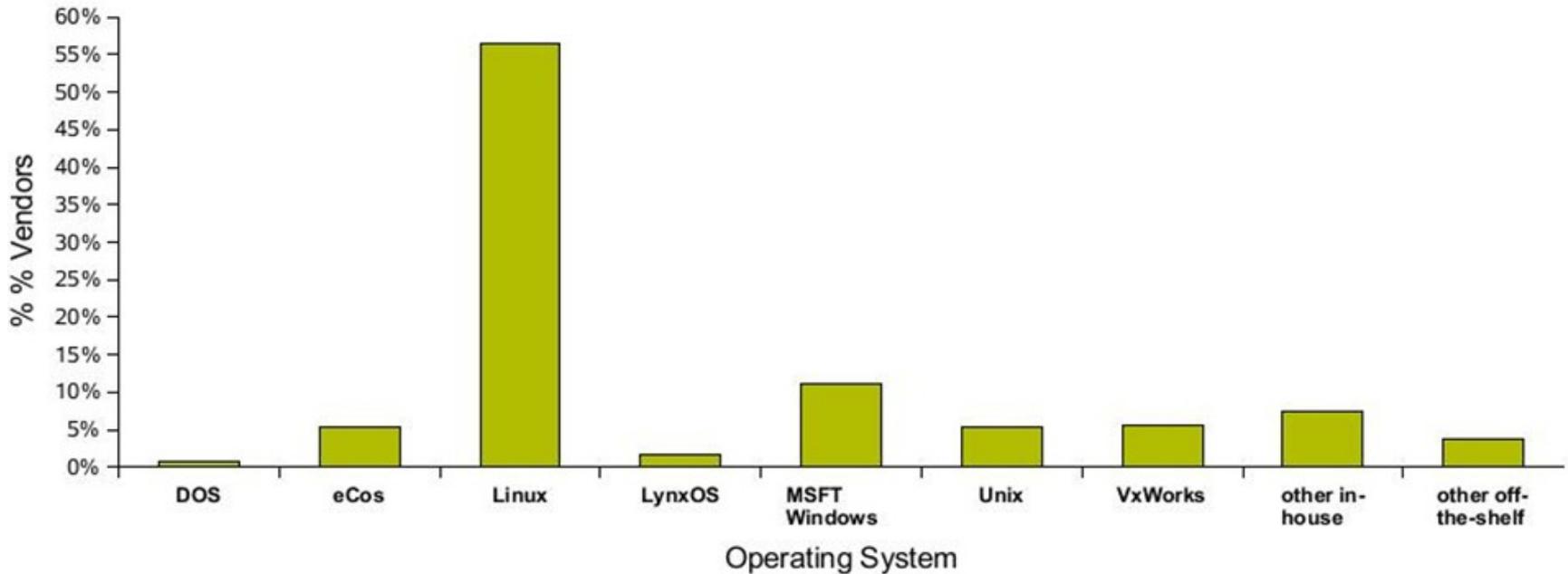
```
sudo apt-get install netbeans5.5
```

```
sudo apt-get install sun-java6-jdk
```

```
sudo apt-get install glassfish
```

# The Importance of Linux to Java Platform

## Expected Rates of Embedded Operating Systems 2006–2008 by Vendor

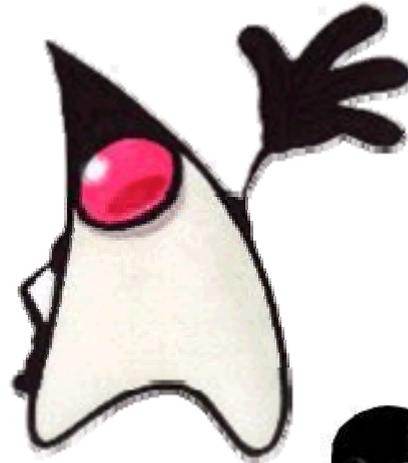


Source: Ziff Davis Publishing, May 2006

# Java Technology Liberated



# Future Unlimited



JRuby...SOA...  
Web  
2.0...ipTV...mo  
bile Rich  
media...social  
networks...Twi  
tter...

# Java Platform: Always Open, Now Free

**“The freedoms to make changes if you want to, or to hire someone else to make changes for you if you’re using the software for your business, to share with other people and to make improvements and publish them so that other people can benefit for them too. These are the freedoms that enable people to form a community.”**

**Richard Stallman  
Free Software Foundation  
“Revolution OS”**

# Java Platform Licensing

## GPL v2

- Discourages proprietary forks
- Popular, trusted license
- Compatible with GNU/Linux, fostering adoption
- Contribution Agreement protects community

## +Classpath Exception

(Java SE, EE Platform Only)

- Applications may use **any** license—no worries
- Community innovations more valuable, useful
- Same approach as existing community projects

The term “Java EE” mean Java Platform, Enterprise Edition.

# What About the Java Community Process<sup>SM</sup> (JCP<sup>SM</sup>) Program?

What Free and Open Source Java Platform means:

- Sun's implementations of Java Platform, Micro Edition (Java ME platform) and Java Platform, Standard Edition (Java SE)

What it doesn't mean:

- Java programming language
- Java specifications



JavaOne



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# Thank You!

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