

# CPOSC 2009



**Making Java fun again**



**Making Java fun again**  
*really!*



Love it!



Love it!

**HATE IT!**



Love it!

**HATE IT!**

**( love to hate it\* )**



# Why Java?

Introduced in 1995 by Sun Microsystems with the promise: "write once, run anywhere".

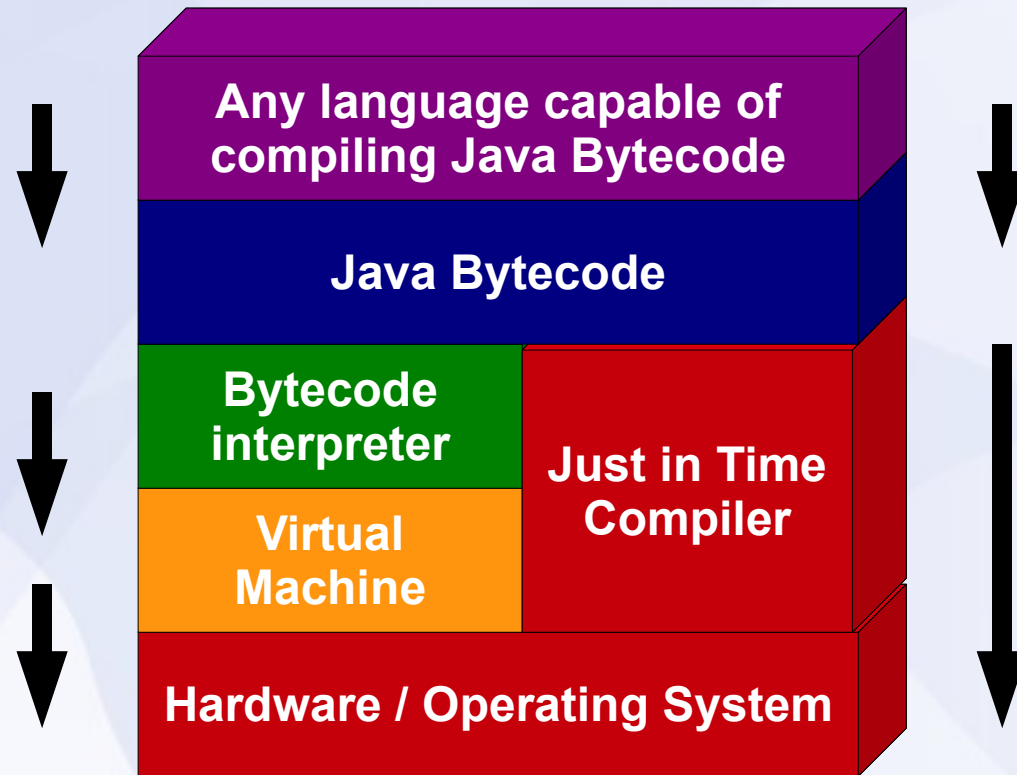


# Not just a language

It is also a complete virtual machine, with features such as threads and IPC, independent of the hardware & operating system.



# Java Model





# What's to Love?

- Wealth of libraries
- Enterprise-grade
- Security policies
- Compiler type checking



# What's not to Love?

- Compatibility cruft
- Gotchas like "=="
- Code / Compile / Test
- Compiler type checking



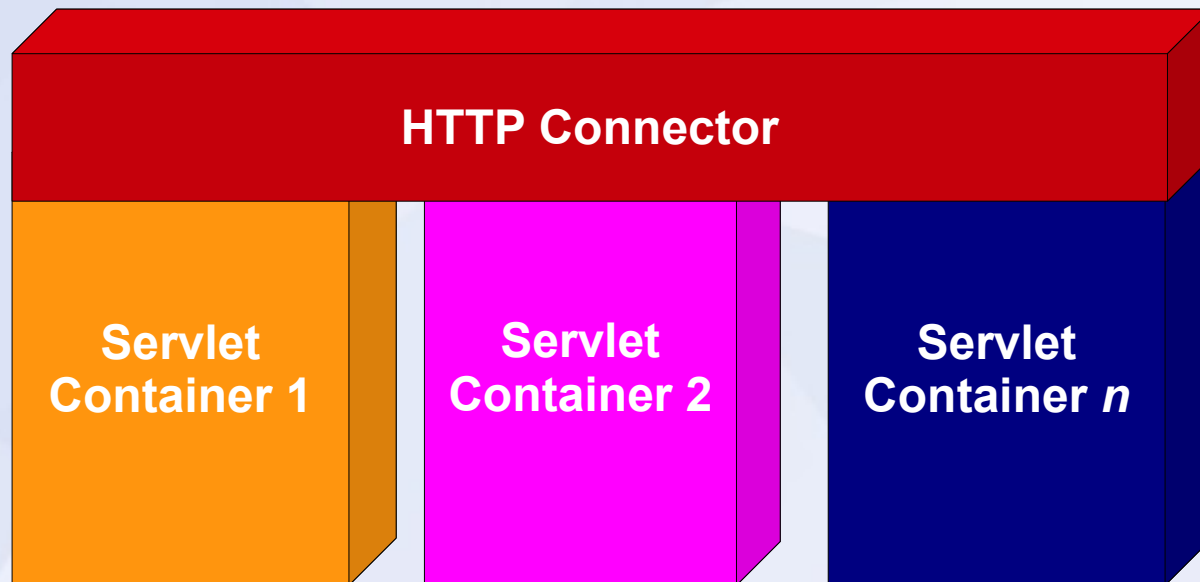
# Apache Tomcat

Introduced in 1999 as a servlet server reference implementation, Tomcat is a web server written entirely in Java.



# Tomcat Model

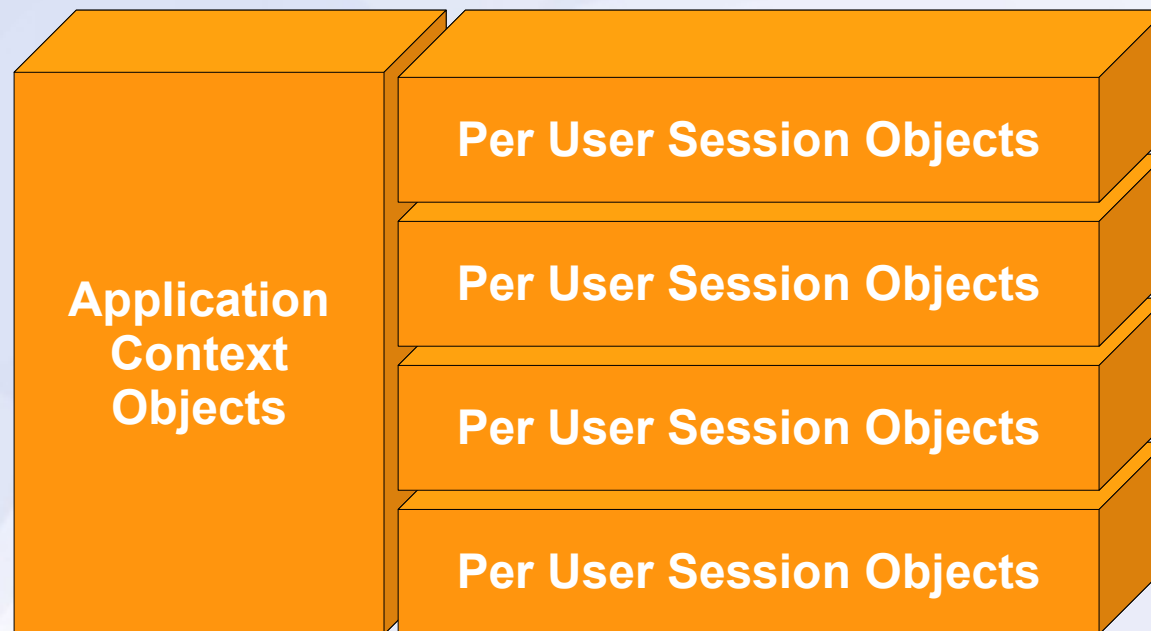
- Server





# Tomcat Model

- Servlet Container





# Tomcat Features

- Apache Integration
- Scalable / Clusters
- Dynamic Deployment
- JavaServer Pages



# The Eclipse Project

Spawned from IBM as a common framework for software development, it went open source in 2001, and is now governed by the Eclipse Foundation.



# Why Eclipse?

Universal tool platform:  
IDE, Team Components,

Debugger, Code Assist, Refactoring,  
Enterprise SDLC support, Subversion, CVS,  
JUnit testing, Fully integrated with Tomcat,  
JSP, standalone apps, web apps, J2EE apps, C/C++, Extensible  
plug-ins, PHP, Ruby, Python, JavaScript, Rich Client Support,  
Maven, IvyDE, JavaDocs, Swing, AWT, SWT, Apache Ant, Integrated Web Browser,  
Struts, Templates, Wizards, ODBC, XML, oh yeah, it's **FREE!**

# *Questions so far?*



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# Anteil

## Shameless Plug

Anteil adopted Java/Tomcat/Eclipse in 2005 to build a large scale web application for La-Z-Boy Chair Company. The application provides inventory control, point-of-sale, supply-chain management, sales analysis & reporting, for all company-owned stores (~100) and warehouses (~12) in the United States.

It took 2-1/2 years and over 10,000 person-hours to build, and helped La-Z-Boy consolidate the operations of over 24 disparate entities.

The system operates on one (1) PostgreSQL database, with a hot spare, and four (4) web servers, and supports over 1,000 concurrent users.



# Anteil

## My Laptop Config

Ubuntu 9.04

Sun Java 6

Tomcat 5.5

Eclipse 3.5 (Galileo)

Subclipse (svn plug-in)

# Thank you!



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