

The logo for Virtuas, featuring the word "VIRTUAS" in a bold, white, sans-serif font centered within a red rectangular box with a thin black border.

**VIRTUAS**

# What's New in AppFuse 2.0

Matt Raible

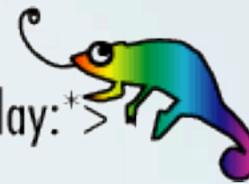
[mraible@virtuas.com](mailto:mraible@virtuas.com)

# About You

- Your experience with Java?
- Your experience with Web Frameworks?
- What do you hope to learn today?
- Open Source experience: Ant, JSF, Struts, Spring, Tapestry, Hibernate, Eclipse, Tomcat?
- Favorite IDE? Favorite OS? Favorite Server?



AppFuse



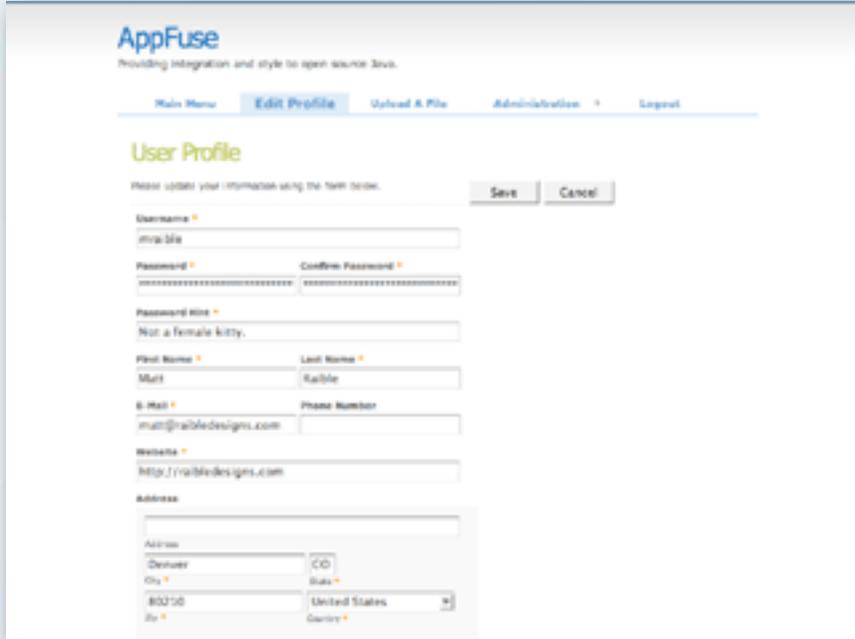
the `<display:*>` tag library

Struts Menu



# Agenda

1. AppFuse Overview
2. Features and Demo
3. What's New in 2.0
4. Demo: Starting with 2.0
5. Roadmap
6. Similar Projects
7. Resources
8. Q and A

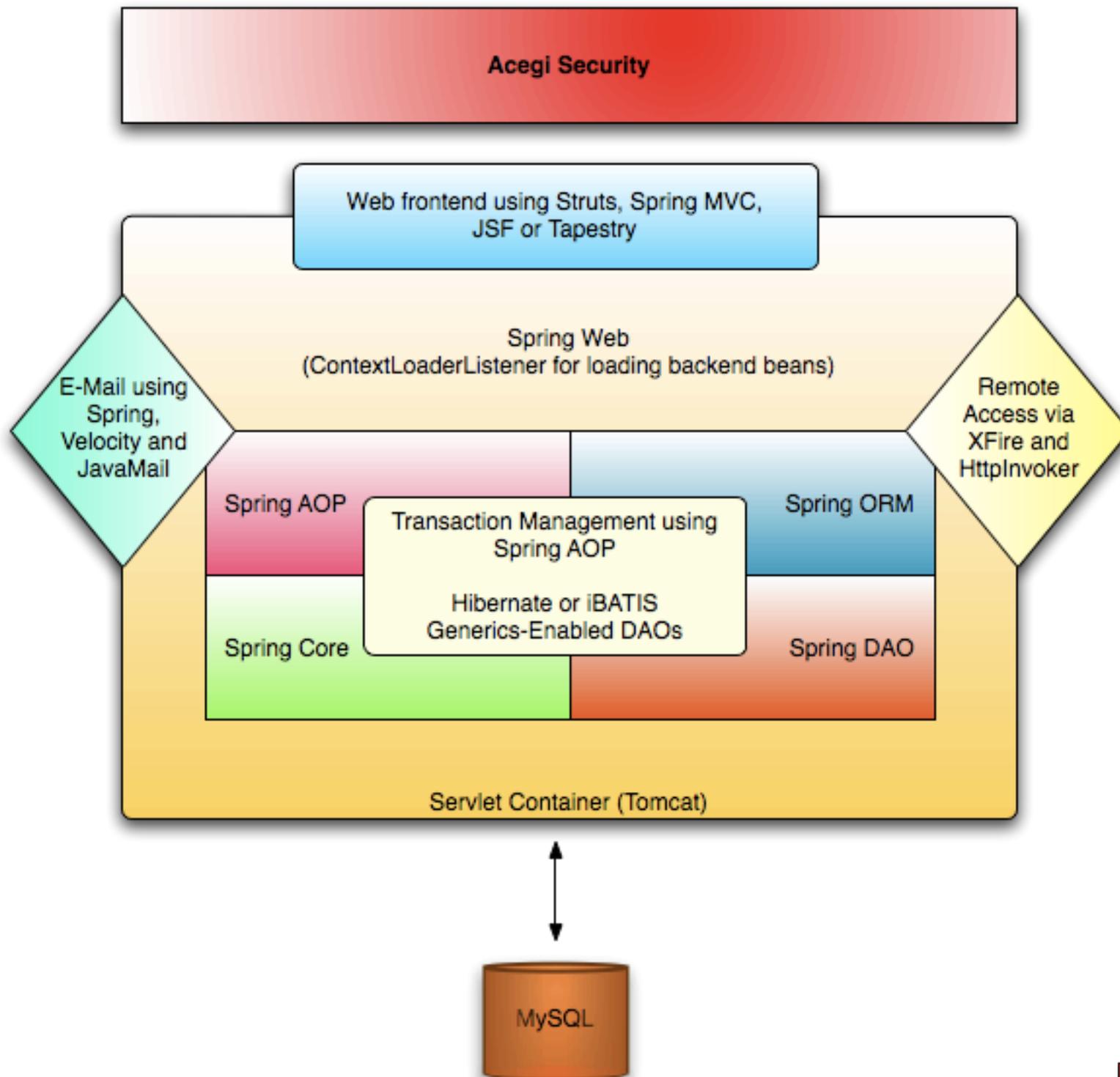


The screenshot shows the AppFuse user profile management interface. At the top, the AppFuse logo is displayed with the tagline "Providing integration and style to open source Java." Below the logo is a navigation menu with links for "Main Menu", "Edit Profile" (which is highlighted), "Upload A File", "Administration", and "Logout". The main heading is "User Profile". A message states "Please update your information using the form below." followed by "Save" and "Cancel" buttons. The form contains several fields: Username (filled with "mumble"), Password (masked with dots), Confirm Password (masked with dots), Password Hint (filled with "Not a female kitty."), First Name (filled with "Mum"), Last Name (filled with "Rabbit"), E-Mail (filled with "mum@rabbledesigns.com"), Phone Number (empty), Website (filled with "http://rabbledesigns.com"), Address (empty), City (filled with "Denver"), State (filled with "CO"), ZIP (filled with "80210"), Country (filled with "United States"), and Gender (empty).

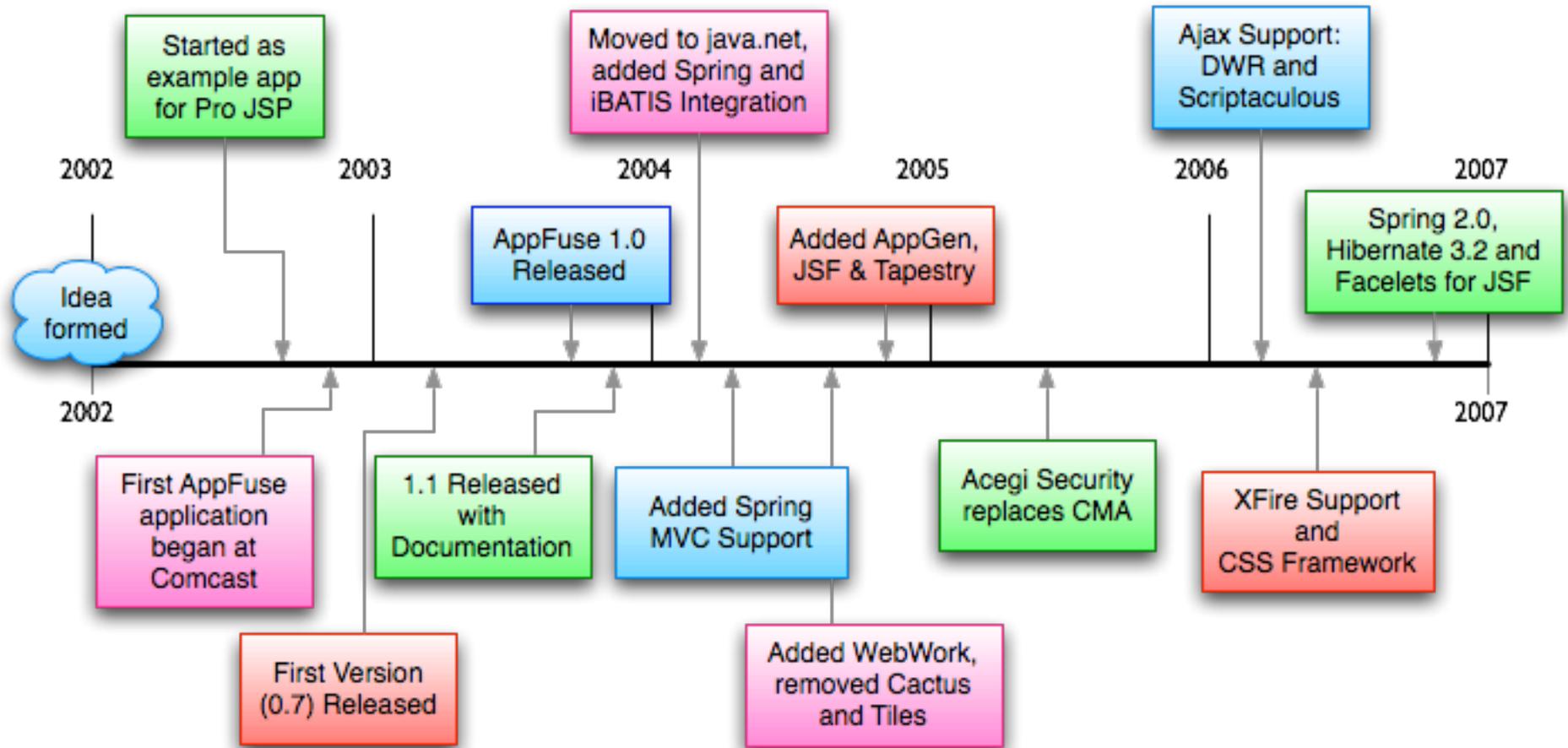
# What is AppFuse?

# What is AppFuse?

**"An Apache-licensed project that provides integration and style to Java-based frameworks."**



# History



<http://today.java.net/pub/a/today/2004/07/15/thefuse.html>

# Powered by AppFuse



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# AppFuse Features

- Security
  - Authentication and Authorization
  - Role protected menu and Spring bean methods
  - Remember Me
  - Password Hint
- User Signup
- Open Source Framework Integration
- User Management
- File Upload

# AppFuse Features, cont.

- Internationalization
- Testing: DAO, Unit, UI
- Continuous Integration
- UI Lovin'
  - Mike Stenhouse's CSS Framework
  - Script.aculo.us
  - SiteMesh
  - Wufoo Forms

# Demo of Features

**AppFuse**  
Providing integration and style to open source Java.

Main Menu   Edit Profile   Upload A File   **Administration**   Logout

## Current Users

2 users found, displaying all users.

Username	Full Name	E-Mail	Enabled
<a href="#">mraible</a>	Matt Raible	<a href="mailto:matt@raibledesigns.com">matt@raibledesigns.com</a>	<input checked="" type="checkbox"/>
<a href="#">tomcat</a>	Tomcat User	<a href="mailto:matt_raible@yahoo.com">matt_raible@yahoo.com</a>	<input checked="" type="checkbox"/>

Export options:

Version 1.9.4 | XHTML Valid | CSS Valid | Logged in as: Matt Raible      © 2006 Your Company Here

# AppFuse Sweet Spots

- Use it ...
  - ... to test out different Java web frameworks
  - ... to quickly prototype instead of wireframe
  - ... to quickly try out popular Java frameworks
  - ... when Security and/or User Management is a required feature
  - ... to develop SOA applications that need Ajax and Web Services
  - ... because you like Leading Edge Open Source Java

# Major Features in 2.0

- **Maven 2**
  - AppFuse Maven Plugin
  - Embeddable AppFuse
  - Full IDE Support
  - Reporting and Documentation
- Java 5 and Annotations
  - Generic DAOs/Managers
- JSP 2.0 and Servlet 2.4
- Struts 2

# Minor Features in 2.0

- Hibernate 3.2
  - JPA and Annotations
- Spring 2.0
  - Easy AOP and new "p" namespace
- JSF: Facelets and Ajax4JSF
- Tapestry 4.1

# "Can I upgrade from 1.9.x to 2.0"?

- No direct upgrade path or script
- Create an AppFuse 2.0 Project
  - Use AppFuse artifacts as dependencies
  - Add your files
- Should be easy enough, it's all Java and XML in the end!

# New vs. Old

- Ant vs. Maven
- Tomcat vs. Jetty
- Struts 1 vs. Struts 2
- Selenium vs. WebTest
- Exploded vs. Embedded

# Ant vs. Maven

Ant	Maven 2
ant new	mvn appfuse:new
ant test-dao	mvn test -Dtest=*DaoTest
ant db-load	mvn dbunit:clean-insert
ant deploy	mvn jetty:run-war
ant test-all	mvn

# Demo ~ Starting a Project

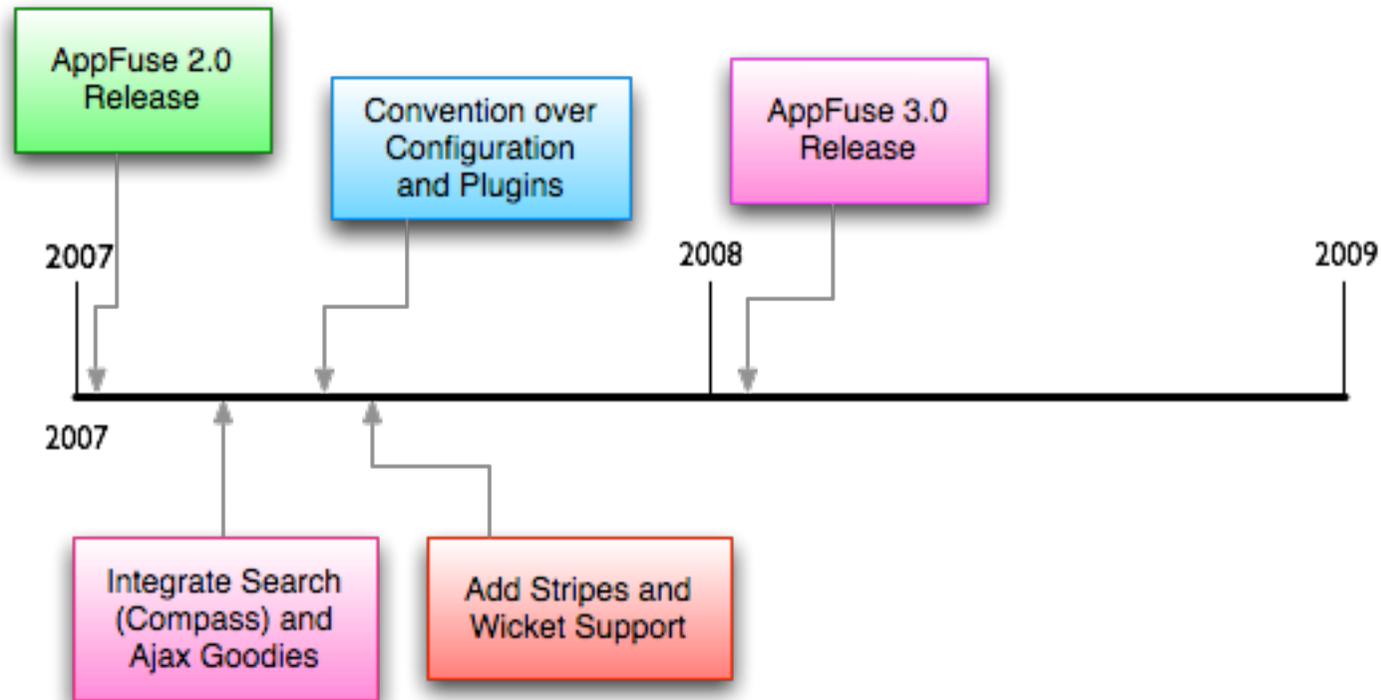


# Roadmap

- Milestones -> 2.0 Final
  - Maven Plugin
  - Archetypes
  - Documentation
- 2.1: Search and Ajax
- 2.2: Conventions and Plugins



# The Future



<http://appfuse.org/wiki/AppFuseRoadmap.html>

# Similar Projects

- Able
- Grails
- JAG
- Qwicket
- RIFE
- Ruby on Rails
- Seam
- Trails



# Learn more from...

- AppFuse Mailing Lists:
  - <http://appfuse.org/forums>
- Seven simple reasons to use AppFuse:
  - <http://www-128.ibm.com/developerworks/java/library/j-appfuse>
- Comparing Web Frameworks:
  - <https://equinox.dev.java.net/framework-comparison>
- What's new in Spring 2.0:
  - <http://www.springframework.org/docs/reference/new-in-2.html>

# Equinox

- **AppFuse Light** - designed for quick apps with few requirements (i.e. prototypes)
- Includes 6 MVC implementations: JSF, Spring MVC, Struts, Struts 2, Tapestry and WebWork
- Includes 5 Persistence frameworks: Hibernate, iBATIS, JDO, OJB, Spring JDBC
- 50 combinations available!
- Located at <http://equinox.dev.java.net>

# Questions?

- AppFuse Project:

- <http://appfuse.org>



AppFuse

- Demos and Videos:

- <http://demo.appfuse.org/demos.html>

- Tutorials:

- <http://appfuse.org/tutorials>

**DOWNLOAD  
&  
ENJOY!**

<http://appfuse.org/download>