



# **Reinventing the Desktop:** **Writing Serious Applications in Java™**

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# Overview

- ◆ Integration with system software
  - ◆ Mac OS Runtime for Java™ (MRJ)
  - ◆ Rhapsody
- ◆ Rich multimedia
  - ◆ QuickTime
- ◆ Bringing databases to the desktop
  - ◆ WebObjects

# Why MRJ?

- ◆ Java as a system service
- ◆ Frees Java from the browser
- ◆ Applications, applets, libraries



# Mac OS Runtime for Java 1.0

- ◆ Released January '97
- ◆ JDK™ 1.02
- ◆ Bundled with Mac OS 8 (Tempo)
- ◆ Includes SDK
  - ◆ Build standalone Java applications
  - ◆ Integrate Java into existing PowerPC/68K apps

# Mac OS Runtime for Java 1.5

- ◆ Developer release available  
February '97
- ◆ JITc



# Mac OS Runtime for Java 2.0

- ◆ Developer release available  
April '97
- ◆ JDK 1.1
- ◆ JavaBeans™, internationalization,  
serialization, RMI, etc.



# Mac OS Runtime for Java SDK

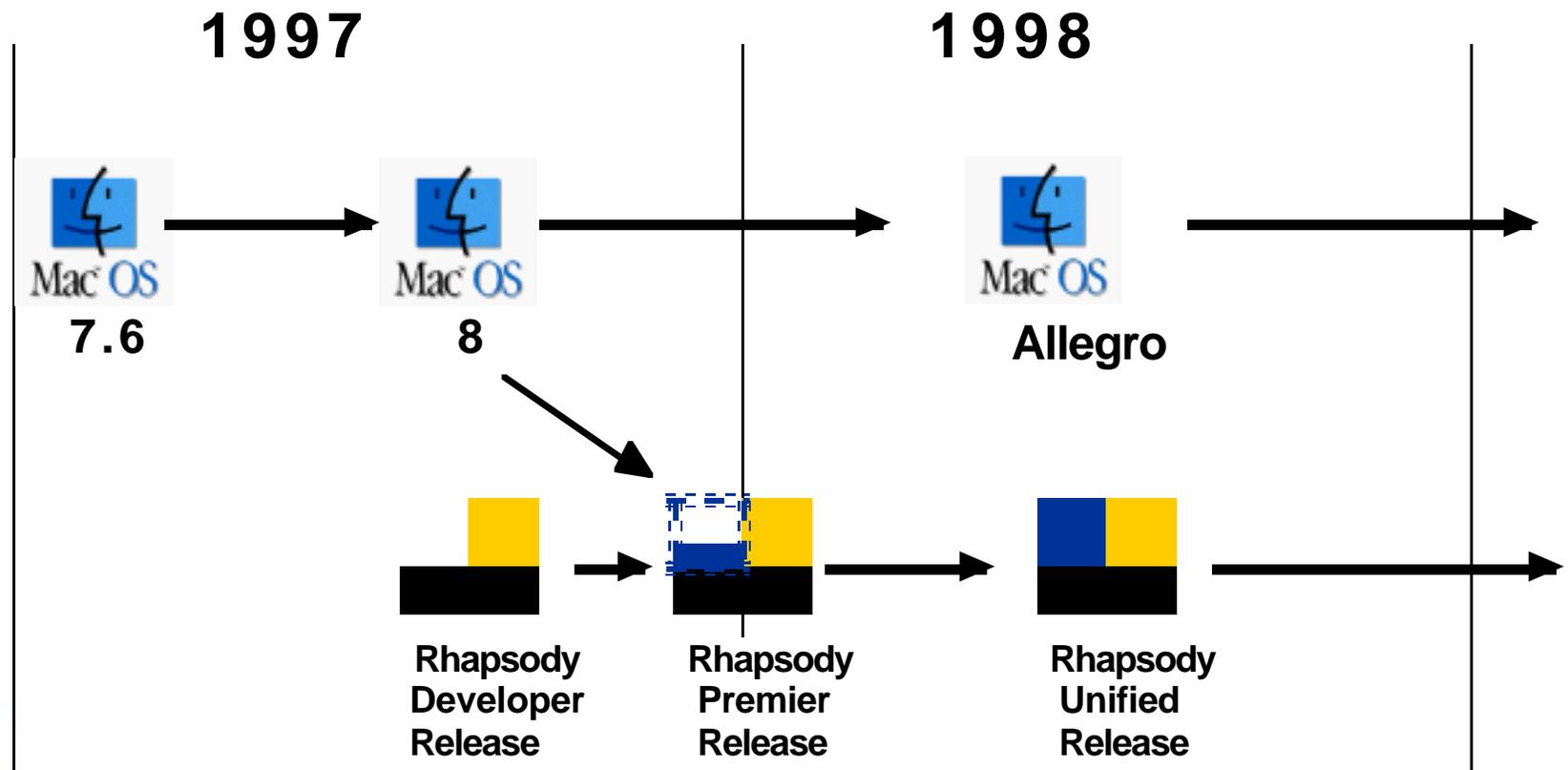
- ◆ Support for JRI/JNI
- ◆ JManager for integration with existing apps
- ◆ JBindery for creating standalone apps
- ◆ JDirect for integration with CFM

# For More Information about MRJ

- ◆ <http://applejava.apple.com/>
- ◆ MRJ-Dev mailing list



# Rhapsody Roadmap



# Rhapsody

- ◆ Modern Mac OS – “Ease of Use of a Mac, Power of A Workstation”
- ◆ Write for Rhapsody today
- ◆ All Rhapsody APIs accessible directly from Java
- ◆ Build binaries in Java, deploy everywhere
  - ◆ x86, PowerPC, Sparc
  - ◆ 95, NT, Mach, Solaris



# For More Information about Rhapsody

- ◆ <http://macos.apple.com/>
- ◆ MRJ-Dev mailing list



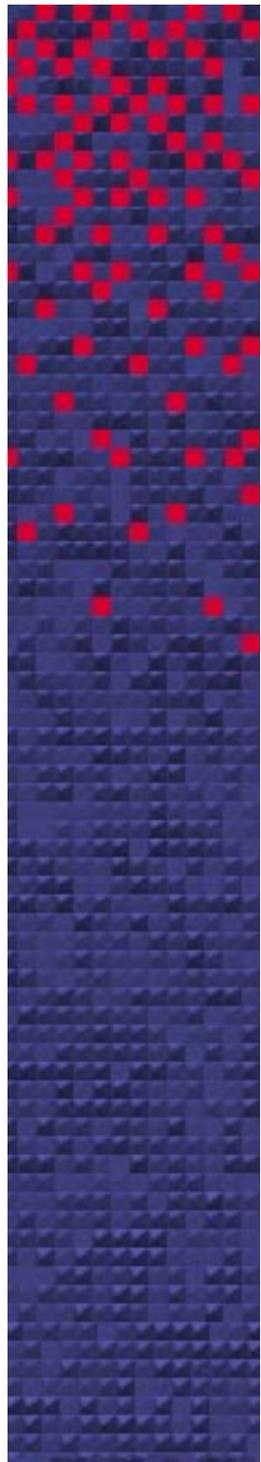
# QuickTime

- ◆ Internet standard
- ◆ Plugin included with Netscape Navigator
- ◆ Access virtually all standard media datatypes
- ◆ <http://quicktime.apple.com/>

# WebObjects

- ◆ Robust, safe, secure migration of existing databases to the web
- ◆ Others demo, we deploy
- ◆ Use Java for client side processing, verification
- ◆ Preview the Rhapsody Java Bridge
- ◆ <http://www.next.com/WebObjects/>





**Q & A**