

# Mac OS X Port Prerequisites

## Hardware: Any 64-bit capable Intel Mac

- RAM: 4GB, 2GB min
- HD: 3GB free space
- How to tell if your Mac is 64-bit capable
  - <http://support.apple.com/kb/ht3696>
  - ```
sysctl hw | grep 64bit
```

## OS: Mac OS X 10.7.3

- How to tell what version of Mac OS X you are running
  - Apple Menu () -> "About this Mac..."
  - ```
sw_vers
```
- Where to get it
  - Apple Menu () -> "App Store..."

**Note:** Mac OS X 10.7 will be the only version of Mac OS X supported by Oracle. 10.6.8 + Java for Mac OS X 10.6 Update 6 should continue to work for the foreseeable future. We do not expect to use 10.7-only API in the codebase.

## Xcode

- 4.1 required for Mac OS X 10.7.3
  - Where to get it
    - Apple Menu () -> "App Store...", free download
  - Run Xcode, choose Preferences -> Downloads -> Components, then select and install Command Line Tools
  - In a shell, run the following command:
    - ```
sudo xcode-select -switch /Applications/Xcode.app
```
- 3.2.6 required for Mac OS X 10.6.8
  - Compiler flag fixes which correctly aligns the stack between function calls in 32-bit processes (3.2.6)
  - Where to get it
  - <http://developer.apple.com> (Mac Dev Center section)



After you install Xcode, you will have to install [Java for Mac OS X 10.7 Update 1](#), [Java for Mac OS X 10.6 Update 6](#), or a later [developer preview](#) to correct headers in the JavaRuntimeSupport framework.

## Java: "Java for Mac OS X 10.6 Update 6"

- Required for new API added for OpenJDK on Mac OS X 10.6
- Where to get it
  - <http://support.apple.com/kb/DL1360>

## Mercurial

- Required to get source
- Where to get it
  - <http://mercurial.berkwood.com/>

## Jtreg

- Required only to run regression tests
- Where to get it
  - <http://openjdk.java.net/jtreg/>