

# JVM and Mozilla Services



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# Offering Overview

- Support the transition of customers to alternate platforms by providing a **robust, current, reliable and equivalent** function in key application environments (Java 2 Standard Edition and the Mozilla Web Browser).
- Enterprise-oriented services offering including custom build lines, diagnostic tools, customer-specific pre-shipment testing, fast-path access to the development team and a proactive alert service.
- Availability starts in 4Q2002 (Mozilla Services and Java Web Start are available now).
- Individual and small business licenses will be made available but pricing has not yet been determined. Golden Code will attempt to provide a packaging and support format that is affordable for the customer and Golden Code.



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# Enterprise Offering Structure

- One time license fee, calculated on a per seat basis, with discounts by volume.
- Annual subscription fee which entitles the organization to:
  - Usage of the current version available at contract start and all subsequent releases during the term of the agreement.
  - Maintenance of a single custom build line for each component of the offering, for up to one year after a newer release is made available.
  - Unlimited level 3 defect support services, fast pathing to development, off hours support and emergency escalation paths.
  - Security and Defect Alert Service
  - Customer-specific testing environment on Golden Code premises and the implementation of pre-shipment customer-specific application testing.
  - Advanced diagnostic tools including Network Trace and Kernel Trace.



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# Sun Certified J2SE

- Golden Code is a Sun licensee of the J2SE technology. All shipped code (even for testing or fix purposes) must pass a rigorous certification process first.
- Sun's "First Customer Ship" (FCS) for 1.4.1 was on 09-26-2002.
- JRE 1.4.1 and JDK 1.4.1 in 4Q2002, including Java Web Start 1.2.
- Golden Code will keep up with Sun's release schedule. There will be no more than a 90 day lag behind Sun.
- J2SE 1.4.2 release from Sun is expected in spring 2003.
- Will include all features and functions which are generally available on other platforms, to the extent these features can be supported on OS/2.



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# Mozilla

- The expected initial release is Mozilla 1.1, assuming the stability and function is acceptable for enterprise use. A version based on Mozilla 1.0 can also be delivered depending on customer requirements. This code is available today.
- The open source nature of Mozilla means that this offering is primarily a service offering. Golden Code will maintain a team of developers to provide defect support and will invest in keeping port current.
- The one component of proprietary software Included in this offering is a new Open Java Interface (OJI) Plugin. This code has been licensed from Sun and will be a Sun certified Java plugin. This will allow full use of the Golden Code JRE 1.4.1 from within Mozilla.
- Will include all features and functions which are generally available on other platforms, to the extent these features can be supported on OS/2.



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# J2SE/Plugin Port Status

- The HotSpot VM has been 100% ported to OS/2 and is being stabilized and debugged at this time.
- The base (non-GUI) portions of the Java environment that are external to the VM (HPI, support for java/lang/\*, JDK tools, etc...) are 80% ported and this code has also begun the stabilization and debugging phase.
- The AWT and Swing (GUI) portions of Java are roughly 50-70% complete at this time. They are scheduled for initial integration and first test within the next two weeks.
- The OJI Plugin is roughly 50% complete.
- Java Web Start is 100% complete and has passed Sun's certification tests.
- The entire project is expected to have passed the Sun certification sometime in November, with release in December.



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# HotSpot Port Statistics

- The HotSpot VM is comprised of over 1100 source files (on OS/2). This does not include the source files for other platforms (WIN32, Solaris/Linux) nor does it include the build environment or the other ancillary files that are part of the project.
- There are two versions of HotSpot: client VM and server VM. Both have been ported to OS/2 at this time. Each is an independent, fully functional Java VM. Selection of the correct version is by a command line switch to the launcher (e.g. java.exe).
- When compiled, the HotSpot project generates over 400 object modules.
- This code and all the rest of the JRE and JDK are required to pass Sun's suite of 60,000 tests. This number doesn't include the full set of customer application test and other regression and functional testing which Golden Code is implementing.



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