

## Client platforms known to be compatible with Reciprocal Net site software

### Background

---

Most users interact with Reciprocal Net site software by way of a web browser. The site software includes several Java applets for molecular visualization, some of which require special client-side support in order to function. Among these visualization tools are miniJaMM, JaMM1, and JaMM2 (the most advanced applet). This document details client-side environments that have been reported to be compatible.

### Compatibility chart

---

Platform	general support	mini-JaMM	JaMM 1	JaMM 2
<b>Microsoft Windows 98, 2000, or XP</b> <b>Microsoft Internet Explorer 5.0, 5.5, or 6.0</b>	✓			
with Microsoft's Java VM (included with many versions of IE)	✓	✓	✓	
with Sun's Java plug-in 1.2.1 or higher	✓	✓	✓	✓
<b>Microsoft Windows 98, 2000, or XP</b> <b>Netscape Navigator 4.7 or 4.8</b>	✓	✓	✓	
with Sun's Java plug-in 1.2.1 or higher	✓	✓	✓	✓
<b>Microsoft Windows 98, 2000, or XP</b> <b>Netscape Navigator 6.1, 6.2, or 7.0</b>	✓			
with Sun's Java plug-in 1.3.1 or higher (included with many versions of Netscape)	✓	✓	✓	✓
<b>Red Hat Linux 7.3 on Intel CPU</b> <b>Netscape Navigator 4.7</b>	✓			
with Sun's Java plug-in 1.2.1 or higher	✓	✓	✓	✓

<b>Red Hat Linux 8.0 on Intel CPU</b> <b>Mozilla 1.0.1</b>	✓			
with Sun's Java plug-in 1.2.1 or higher	✓	✓	✓	✓
<b>SGI IRIX 6.3 or higher</b> <b>Netscape Navigator 4.7</b>	✓			
with Sun's Java plug-in lower than 1.3.1	✓	✓	✓	
with Sun's Java plug-in 1.3.1 or higher	✓	✓	✓	✓
<b>Apple MacOS 9.2.2</b> <b>Microsoft Internet Explorer 5.0</b>	✓			
with Apple Macintosh Runtime for Java (MRJ) 2.2.5	✓	✓	✓	
<b>Apple MacOS 9.2.2</b> <b>Netscape Navigator 4.7</b>	✓			
with Apple Macintosh Runtime for Java (MRJ) 2.2.5 and Mozilla's MRJ plug-in for Netscape	✓	✓	✓	

## Platform notes for Microsoft Windows

Sun's Java plug-in, also called the Java Runtime Environment, is a free download available from <http://java.sun.com/>. Netscape 4.x is compatible only with older versions of the plug-in earlier than 1.3. Netscape 6.x and 7.x are compatible only with newer versions of the plug-in (version 1.3 and later). Netscape 6 and 7 frequently are bundled with Sun's Java plug-in, however, and thus in many cases a separate download is not required.

Microsoft's Java VM, included with many versions of Internet Explorer and available as an optional add-on for others, does not support the newest Java standards and therefore is not compatible with JaMM2. The solution is to install and use Sun's Java VM instead.

## Platform notes for Red Hat Linux

Sun's Java plug-in, also called the Java Runtime Environment, is a free download available from <http://java.sun.com/>. For version 1.4.1-01, the runtime environment installs itself (including the plug-in) to the `/usr/java/j2re-1.4.1_01/` directory. To activate the plug-in under Mozilla, create a symlink in `/usr/lib/Mozilla-1.0.1/plugins/` (or similar) to the file `/usr/java/j2re-1.4.1_01/plugin/i386/ns610/libjavaplugin_oji.so`. Yes, the Java

plug-in that Sun intended for use with Netscape 6.1 also happens to be compatible with Mozilla 1.0.1.

## Platform notes for Apple MacOS

---

Macintosh Runtime for Java (MRJ) is an add-on to OS 9 published by Apple. Only the newest version (2.2.5) has been tested, but earlier versions might also be compatible. MRJ is a free download from <http://www.apple.com/java/>.

Microsoft Internet Explorer detects the presence of MRJ and seamlessly activates the MRJ plug-in when necessary; no special configuration is required.

Netscape Navigator includes its own Java VM that is *not* compatible with any of the visualization applets. The solution is to install a plug-in that couples Netscape to MRJ and allows Netscape to utilize MRJ's Java VM instead of its own. The MRJ plug-in for Netscape was created by the Mozilla project and is a free download from <http://www.mozilla.org/oji/MRJPlugin.html>. Once the package is installed, the plug-in must be copied to Netscape's *Plugins* directory and Netscape must be instructed to utilize the plug-in (inside Netscape, go to *Edit/Preferences/Advanced* and click the appropriate check box).

Unfortunately there is no Java VM available for MacOS 9 that would support the advanced Java features that JaMM2 requires. Purportedly MacOS X has such support, but this has not been verified.

## Technical support

---

The bulk of the information contained in this document was discovered and reported by end-users at Reciprocal Net partner sites for the benefit of their peers. Additions, corrections, and comments about client-side compatibility are always welcome; please e-mail these to [help@reciprocalnet.org](mailto:help@reciprocalnet.org).