

XRunner®
Product Release Notes
Version 6.0



XRunner Product Release Notes

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Introduction

This document describes:

- new features and enhancements in XRunner 6.0
- XRunner Java support
- problems fixed in this release

New Features and Enhancements

Following is a list of the new features and enhancements provided with XRunner 6.0.

- XRunner now includes Java support. For more information, see “XRunner Java Support” on page 5.
- The class “window” now has a new attribute called “host”. A host attribute is a non-portable attribute, and is the name of the host on which the application under test is running.
- When running a test from the command line using the command `xrun -run`, you can now automatically generate an ASCII report file. To do so, open the `.xrunner` configuration file in your home directory, and add the statement:

```
XR_AUTO_REPORT = TRUE
```

This enables you to avoid opening the report and manually saving it as an ASCII report file (Print to File option).

- XRunner now enables you to record an item selected in a list by the item number, in addition to the item name.

To record an item selected in a list by the item name (default), add the following statement at the top of your test script:

```
setvar("XM_REC_ITEM_NUM",OFF);
```

To record an item selected in a list by the item number, add the following statement at the top of your test script:

```
setvar("XM_REC_ITEM_NUM",ON);
```

For more information on the `setvar` function, refer to “Modifying Configuration Settings from a Test Script” in Chapter 33 of the *XRunner User's Guide*.

XRunner Java Support

XRunner 6.0 now enables you to test Java applets and applications. This section describes:

- The Java Support Environment
- Installing Java Support
- Problems and Limitations

The Java Support Environment

XRunner enables you to record and replay Context Sensitive functions on Java objects. XRunner provides full Context Sensitive testing of Java applets and applications using various environments, platforms, and browsers.

Supported Environments

XRunner supports the following Java development toolkits:

- Java Development Kit (JDK) version 1.1 and 1.2, including AWT providing the standard GUI objects for Java.

Note that to test a Java application running under JDK 1.2.x, you must start the application with the following line:

```
java -Xbootclasspath:<XRunner installation folder>\classes;<XRunner installation folder>\classes\srv;<Java installation folder>\jre\lib\rt.jar <Application class>
```

Alternatively, to test Java applets running in LoadApp under JDK 1.2.x, you must start the applet with the following line:

```
java -Xbootclasspath:<XRunner installation folder>\classes;<XRunner installation folder>\classes\srv;<Java installation folder>\jre\lib\rt.jar LoadApp <Applet URL>
```

- Java Foundation Class (JFC), which provides the “Swing” UI for Java
- Symantec Visual Café 2.5 and 3.0.

Supported Platforms

XRunner can record, replay and verify Java applets and applications running on:

- Solaris 2.5.1, 2.6 and 2.7
- AIX 4.2 and 4.3
- HP-4X 10.20 and 11.00

Supported Browsers

XRunner supports the following browsers:

- Netscape 4.08 and 4.51.

Note: Netscape browser only supports JFC version 1.02 or higher. There are no JFC limitations for LoadApp and standalone applications.

Installing Java Support

When you install XRunner, Java support is automatically installed. Refer to the chapter “Enabling Java Support” in your *XRunner Installation Guide* for instructions on enabling the Java support.

Problems and Limitations

XRunner Java support has the following limitations:

- XRunner Java support changes your browser’s default security policy in order to enable you to record and replay Context Sensitive operations on

Java objects. It disables the following security checks: *AwtEventQueueAccess* and *ThreadAccess*.

To restore the security settings, disable Context Sensitive mode by commenting out the **mic_toolkit** property from the *mercury.properties* file.

- If you experience problems recording from Netscape, begin by checking that XRunner works with the LoadApp appletviewer.

If you have JDK installed, enter:

```
java LoadApp <URL address>
```

If you have JRE installed, enter:

```
jre -cp %classpath% LoadApp <URL address>
```

Then check the classpath and verify that it contains the *XRunner installation* /classes directory. Check the path and verify that it contains the *XRunner installation* /arch directory.

- The **win_check_gui** function does not work for “all objects”.
Workaround: Create the checklist and add each object one by one.
- When you run two or more distinct Java applications, and there is an intersection region between their windows, the results of GUI Spy, **win_check_gui** or **obj_check_gui** are not predictable.
- If XRunner displays a message stating that there is a JDK version mismatch, you will need to copy the appropriate JDK patch from \$M_ROOT/patches to \$M_ROOT/classes and open it.

Fixed Bugs

XRunner 6.0 fixes the following known problems in XRunner 4.01.

- Test Wizard no longer fails to learn an application after the window set with the **set_window** statement is closed by the user.
- GUI Spy no longer has the following two problems:
 - undesirable ability to learn objects when in full-description mode.
 - incapable of parsing description-string when it exceeds 2 Megabytes.
- XRunner no longer crashes when you double-click on a GUI checkpoint in the Test Results Log when there are more than 256 GUI checkpoints in the test.
- The **check_gui** statement on a window with the option “add all the objects inside the window” now adds the window itself to the checklist. The **check_gui** statement must be called from a menu command.
- The **find_text** statement under XGate is now fixed.
- The **move_locator_rel** statement no longer moves the pointer to the absolute coordinates when using the DEC-Xtrap extension.
- XRunner now does bitmap verification for a table object.
- The **edit_insert_block** statement now records with the correct coordinates after **edit_delete_block()** and **edit_insert_pos()**.
- The functions in the Check/Wait category may now be used in XRunner. In order to use these functions, load `$M.ROOT/lib/x-funcs1`.



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