

## ChangeLog

### Replay Xcessory Version 4.6:

- #80634: Fixed issue that using the batch mode on Solaris systems related to an invalid monid value.
- #78906: Changed code to not dump commented NULL values to the snapshot files on Linux.
- #77265: Minor corrections in replaytm related to finding the proper report to display.
- #72265: Resolved issue with using a very large AUT consisting of a thousand+ widgets.
- Added ability to run Replay Xcessory in fully automated batch mode without the GUI(-x option).
- Implemented enhanced Motif function to scroll any scrolled window until the needed widget is visible.
- Added ability to compare snapshots even if their basic geometry does not match.
- Added ability to have a set of proper baseline snapshots that can be compared against the resulting snapshot.
- Added ability to take a snapshot from a partly visible widget that is outside of the screen in the virtual X screen (Xnest).
- Added ability to specify Xvfb/Xvnc/Xnest displays as values to the -appdisplay command line option.
- Adjusted xwdiff utility to properly compare images that were created on a display with a different color depth.

### Replay Xcessory Version 4.0:

- #36826/37786: Changed choose command to allow specifying coordinates where the dialog should appear.
- #35879/35878: popup\_menu\_pick and popup\_menu\_select commands now allow the user to specify coordinates of the point where the mouse button should click on the target menu item and button name. Return value of these commands now represents the status of the command execution.

0 = success with active menu item

1 = inactive menu item

2 = failure

- #23372: Obsolete snapshots now get removed on re-record and playback.
- #35887: Added option for echoing only top level commands.
- #36827: Added "seektext" TCL command that locates a text string on the widget surface.
- #36190: Output of the application executed by "exec" command now returned as a value of "exec"

It could be used as follows:

```
set start_time [exec date]
puts $start_time
```

- Enhancement: Added option at the test package level to fill in a default AUT for the test cases.
- Enhancement: Added tag manager window that helps to create and handle widget tags.
- Enhancement: Added "takesnap" TCL command intended for taking image snapshots without making comparison with baseline.
- Enhancement: Added Tcl command "rxexit" for closing Replay Xcessory driver.
- Enhancement: Added Tcl command "mousemove" for moving cursor to widget without clicking on it. The format of this command is the same as the format of "click" command.
- Enhancement: Created test case that demonstrates communication through network sockets.
- Enhancement: Added "getdescwidget" TCL command intended for identifying a widget by the coords on the parent widget.
- Enhancement: Replay.promptOnError option now affects all error/warning dialogs. When specified to "no", then no dialogs will be shown at all. This allow creation of scripts that wait for some event to occur and do not show any messages to user.
- Enhancement: Added ability to dump extra log statements using additional environment variables.
- Enhancement: Updated TCL interpreter to version 8.3.5
- Fix: Debugger hotkeys changed to use Ctrl rather than Shift as modifier. This had caused some problems with text command.
- Fix: Fixed issue related to using multiple application command line arguments for AUT.
- Fix: Changed "connect" command to return proper return value that represents the status of the command execution.

### **Replay Xcessory Version 3.0.1.1:**

- Enhancement: Added hotkeys to debugger commands (Next,Step,Continue). Made hotkeys work with both the driver side and the Application Under Test.
- Enhancement: Added new option "Freeze pointer on commands" which holds the mouse pointer at one position during command execution. Enabling this option causes the cursor to be returned to its starting position after Replay executes a command. Without this option Replay will move the cursor to the application under test to execute a command but not return the cursor to its original location.
- Enhancement: Added ability to record actions to the current tcl script during a playback debug session.

- Enhancement: Added an extended tcl command to clear the text in a text widget - "text\_clear".
- Enhancement: Added extended tcl commands "scroll\_get" and "scale\_get" for getting XmScrollBar and XmScale value.
- Enhancement: Added new internal variable "\$replay\_args(execReturnValue)" for determining the return value of asynchronous child processes.  
Can be used as  
exec ./test.sh  
  

```

while { $replay_args(execReturnValue) < 0 } {
    puts "Script still running..."
}
puts $replay_args(execReturnValue)

```
- Fix: Corrected playback debugger sometimes incorrectly showing current instruction pointer.

### Replay Xcessory Version 3.0.1:

- Enhancement: Added ability to drag current instruction pointer in tcl debugger to a random position in the current body of code
- Enhancement: Updated Tcl debugger from version 1.0 to version 2.0.
- Enhancement: Added new Tcl command choose.
- Enhancement: Added ability to edit Tcl code during runtime.
- Enhancement: Added ability to generate and use batch test file for test package (tbf option)
- Enhancement: Changed log engine in ReplayXcessory. Added environment variables for support  
XTLIB\_DEBUG\_ON and DRIVER\_DEBUG\_ON
- Fix: Added new return value to "ismapped" command - \_INVALID\_WIDGET\_ in case a widget is not found.
- Enhancement: Options on properties dialog now have popup tooltip information.
- Fix: Corrected code of enhanced tcl commands (option\_pick, menubar\_pick, \_ensure\_scale popup\_menu\_pick) when using multiword widget labels.

### Replay Xcessory Version 3.0.0.2:

- #24938: Fixed an issue with Replay Xcessoy Test Manager hanging when setting the filter in the view window to "Show All" on Solaris system.
- #24938: Fixed issue with setting environment variables on startup of

Replay Xcessory driver.

- #237 Enhancement: Added ability to delete a test package.
- #342 Enhancement: An integrated playback/record/debugger/editor. This enhancement is not feature complete, but functions at the same level as the old debugger.

### **Replay Xcessory Version 3.0.0:**

- #22742: Fixed an issue with XmScale on RHEL3. The scale incorrectly recorded a negative value producing a slow playback and warning message: 'The specified scale value is less than the minimum scale value'.
- #22743: Fixed a problem using virtual key names in scripts.
- #22776: Added ability to run Applications Under Test with custom command line's arguments.
- #22744: Added ability to run and test applications wrapped by script.
- #22741: Added ability to use Itcl with Replay. Itcl must be installed in system and ITCL\_LIBRARY must be set to point to the Itcl library dir (usually /usr/local/lib/itcl#.#). There is an example of using Itcl in \$REPLAYHOME/lib/tcl/custom/itcl\_ex.tcl
- #23014, #23015, #23016: Fixed problem with recording and playing back when using several applications as clients, which ran from single script in background mode.
- #23129: Fixed bug using shift with right and left arrow keys on text fields.
- Enhancement: Added ability to change default program for diff text and images snapshots on testsuite and testpackage scope.
- Enhancement: Added files extensions and names managing to Popup Menu and to View Menu as 'File Extensions Filter'. It calls dialog, which provides features to filter content.
- Enhancement: Added checking for environment variable RX\_NATIVE\_XT which forces customized Xt library to behave as native Xt library and skips additional widget processing.
- Enhancement: Added automatic rescan of main test manager's window after each operation to allow user to see all generated files.
- Enhancement: Changed session, play and record dialogs to tabbed view to hold all needed widgets and to be more ergonomic.
- Enhancement: Changed how replay writes its output to report files
- Enhancement: Changed the way replay stores and manages all test case related files
- Enhancement: Changed the way replay organizes its package view - icons lined up by test cases
- Enhancement: Added view settings dialog, which allows user to customize needed content

- Enhancement: Added ability to use the same Vrtag file on a whole test package. After each update a tag files is automatically placed into the package dir.