

FEATURES in ReplayXcessory 4.8 -----  
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- New graphical installer
- New Xt compatibility library libICSXtComapat
- New TCL extension for connecting AUT to RDBMS
- Added ability to switch off non-toplevel shells for Replay when negotiating connection with AUT.
- Includes THIS CHANGELOG

FIXED in ReplayXcessory 4.8 -----  
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- 1545: replaytm is not able to open any existing test suite through it's  
File->Open Test Suite
- 1544: RTM crashes if used as target for editres
- 1543: RTM preferencies->editor command don't work. Vi is always used as default editor
- 1542: AUT crashes if label contains > 300 chars of text. This string is used as a tag
- 1537: dblclick command don't work in XmTextField widget
- 1533: Segmentation fault when using subimage on RHEL
- 1531: Replay can't connect to application that shows dialog window at startup
- 1529: Replay prints invalid error message when we set incorrect ICSSERVER variable
- 1525: In record mode AUT exits accidentally. OS: Solaris
- 1524: Replay crashes on Solaris 10
- 1523: RX don't establish connection with AUT at start up
- 1521: ICS License Manager bug. Critical bug fixed.
- 1519: ICS License Manager bug. Only one license file can be set in ICS\_LICENSE\_FILE environment variable.
- 1517: RTM hangs when we use `learn tags` function from Tag Manager menu.
- 1515: Static QA test of source code reports that many variables are redefined.
- 1514: Splint reports about defined but unused functions in the source code.
- 1511: Splint reports warnings about types mismatch.
- 1504: Valgrind reports several memory leaks.
- 1502: Valgrind reports memory write error.
- 1501: Replay crashes on Xnest closing

FEATURES in ReplayXcessory 4.7.4 -----  
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- Updated user manual: Added new chapter "VNC".

FIXED in ReplayXcessory 4.7.4 -----  
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- 1490: ICS License Manager bug. License is not accepted by RX on some Linux systems.
- 1484: When RX playback session using Xvfb or Xnest is closed Xvfb/Xnest server remain working. Next time when RX playback is started using Xvfb or Xnest it reports error "cannot start Xvfb/Xnest".
- 1488: Replaytm fails to start on CentOS 4.
- 1489: When using Xvfb /Xnest test application cannot start on virtual display. Error is printed about connection refuse.

FIXED in ReplayXcessory 4.7.3 -----  
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1477: ICS License Manager bug. Security fix.

FIXED in ReplayXcessory 4.7.2 -----  
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1458: If Play to State in record mode run two times it makes RX crash.  
1460: Client under RX exits in record mode after Play to state.  
1461: RX exits if we try to create Subimage Snapshot after using Play to state function.  
1465: Double-click on empty test package in RTM make it hang up.  
1469: Multiple RX modules cannot share license file with number of licensed copies  
set to 1.  
1464: Bug in ICS License Manager. ICSLM don't accept license generated by icslm 1.0.

FIXED in ReplayXcessory 4.7.1 -----  
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1457: Clicking on 'Start Up' button in RX make it crash.  
1459: Play to state function make RX crash in record mode.

FEATURES in ReplayXcessory 4.7 -----  
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- RTM is able to generate default tag file
- Multiple tag files are supported
  - Default tag file can be set in TCD file
  - RX merges application tag file and the one set in TCD file
  - Tag Manager is able to show merged tags
- New text/image diff features
  - External text diff viewer can be set in properties dialog
  - Added support of xwd options (.map) file for image diffs. This file describes how image snapshot should be compared with original one.
- New extended TCL procedures were added.
  - For XmTabStack class: search\_tab, tab\_select.
  - For XmTree class: node\_collapse, node\_data\_get, node\_data\_set, search\_child

FIXED in ReplayXcessory 4.7 -----  
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1449: RX places incorrect dates in tcd file on record.  
1470: RX craches if script includes source having 20 or more commented lines.  
1425: RX test don't pass if geometry resource is set for AUT.  
1366: Editor can't be changed in ReplayTM preferences.  
1338: Snapshot button sensitivity logical bug.  
1334: Using source playback in record mode makes crash.  
1303: Snapshots are sometimes a little bit different on RedHat and on Solaris.  
----: Fixed memory leak

FEATURES in ReplayXcessory 4.6 -----  
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- Added ability to run ReplayXcessory in fully automated batch mode without GUI(-x option).
- Implemented enhanced motif function to scroll any scrolled window until needed widget become visible.
- Added ability to compare snapshots even in case if basic geometry is not matching.
- Added ability to have a set of proper baseline snapshots that could be compared against resulting one.
- Added ability to take snapshot from partly visible widget that outside of the screen in virtual X screen (Xnest).
- Added ability to specify Xvfb/Xvnc/Xnest displays as value to -appdisplay command line option.
- Adjusted xwdiff utility to properly compare images that were created on display with different color depth.

FIXED in ReplayXcessory 4.6 -----  
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- 80634: Fixed issue using batch mode on Solaris systems related to invalid monid value.
- 78906: Changed code to do not dump commented NULL values to snapshot files on Linux.
- 77265: Minor corrections in replaytm related to finding proper report to display.
- 72265: Resolved issue using very big AUT consisted of thousand widgets.

FEATURES in ReplayXcessory 4.0 -----  
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- Added option to fill in a default AUT for the test cases in the test package settings.
- Added tag manager window that helps to create and handle widget tags.
- Added "takesnap" TCL command intended for taking image snapshots without making comparison with baseline.
- Added Tcl command "rxexit" for closing Replay Xcessory driver.
- Added Tcl command "mousemove" for moving cursor to widget without clicking on it  
Format of using this command is the same as format of "click" command.
- Created test case that demonstrates communication through network sockets.
- Added "getdescwidget" TCL command intended for identifying the widget by the coords on the parent widget.
- Replay.promptOnError option now affects to all error/warning dialogs. When specified to "no" 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.
- Added ability to dump extra log statements using additional environment variables.
- Updated TCL interpreter to version 8.3.5

FIXED in ReplayXcessory 4.0 -----  
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35879/

35878: popup\_menu\_pick and popup\_menu\_select commands now allow to specify coordinates

of the point where mouse button should click on the target menu item and button

name. Return value of these commands now represent the status of the command

execution.

0 = success with active menu item

1 = inactive menu item

2 = failure

36826/

37786: Changed choose command to allow specifying coordinates where the dialog should appear.

23372: Obsoleted snapshots now get removed on re-record and playback.

35887: Added option to echoing only top level commands.

36827: Added "seektext" TCL command intended for looking for some 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 like:

```
set start_time [exec date]
```

```
puts $start_time
```

----: Debugger hotkeys changed to use Ctrl rather than Shft as modifier.

This caused

some problems with text command.

----: Fixed issue related to using multiple application command line arguments for

AUT.

----: Changed "connect" command to return proper return value that represent status of command execution.

FEATURES in ReplayXcessory 3.0.1.1 -----  
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- Added hotkeys to debugger commands (Next,Step,Continue).

Made hotkeys work both on the driver side and Application Under Test.

- Added new option "Freeze pointer on commands" which hold mouse pointer on one

position during commands excuting.

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.

- Added ability to record actions to the current tcl script during playback debug

session.

- Added an extended tcl command to clear the text in a text widget - "text\_clear"

- Added an extended tcl commands "scroll\_get" and "scale\_get" for getting XmScrollBar and XmScale value.
  - Added new internal variable "\$replay\_args(execReturnValue)" for determining 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)

```

FIXED in ReplayXcessory 3.0.1.1 -----  
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----: Corrected playback debugger sometimes incorrectly showing current instruction pointer.

FEATURES in ReplayXcessory 3.0.1 -----  
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- Added ability to drag current instruction pointer in tcl debugger to the random position in current code body
- Updated Tcl debugger from version 1.0 to version 2.0.
- Added new Tcl command choose.
- Added ability to edit tcl code on runtime.
- Added ability to generate and use batch test file for test package (tbf option)
- Changed log engine in ReplayXcessory. Added environment variables support XTLIB\_DEBUG\_ON and DRIVER\_DEBUG\_ON
- Options on properties dialog now have popup tooltip information.

FIXED in ReplayXcessory 3.0.1 -----  
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----: Added new return value to "ismapped" command - `_INVALID_WIDGET_` in case if widget not found.

----: Corrected code of enhanced tcl commands (`option_pick`, `menubar_pick`, `_ensure_scale` `popup_menu_pick`) when use multiword widget labels.

FEATURES in ReplayXcessory 3.0.0.2 -----  
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237: Added ability to delete a test package.

342: An integrated playback/record/debugger/editor  
This enhancement is not feature complete, but functions at the same level as the old debugger.

FIXED in ReplayXcessory 3.0.0.2 -----  
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- 24938: Fixed an issue with Replay Xcessoy Test Manager hang when set filter in the view window to "Show All" value on Solaris system.
- 24938: Fixed issue with setting environment variables on startup of Replay Xcessory driver.

FEATURES in ReplayXcessory 3.0.0 -----  
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- Added ability to change default program for diff text and images snapshots on testsuite and testpackage scope.
- 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.
- Added checking for environment variable RX\_NATIVE\_XT which force customized Xt library to behave as native Xt library and skip additional widgets processing.
- Added automatic rescan of main test manager's window after each operation to allow user to see all generated files.
- Changed session, play and record dialogs to tabbed view to hold all needed widgets and more ergonomics behave.
- Changed way how replay write it's output to report files
- Changed way how replay store and manage all test case related files
- Changed way how replay organize it's package view - icons lined up by test cases
- Added view settings dialog, which allow user to customize needed content
- Added ability to use the same Vrtag file on the whole test package after each update of tag files it automatically placed into the package dir.

FIXED in ReplayXcessory 3.0.0 -----  
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- 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/ Fixed problem with recording and playing back when using
- 23015/ several applications as clients, which ran from single script

23016: in background mode.

23129: Fixed bug using shift with right and left arrow keys on text fields.