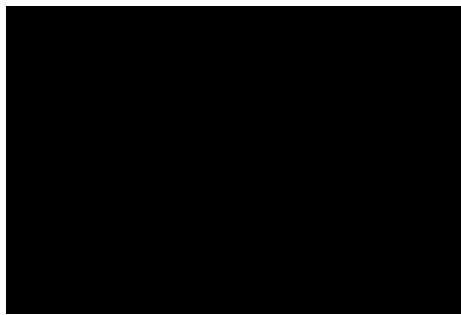


R*TIME Viewer 4.x New Features

What have we been doing lately?



■ R*TIME Viewer 4.10.0

- Display File Format Changed (Revision Number 9)
- Relative paths allowed on almost all path specifications in INI files - relative to RTIMEWHOME
- Add display information and version (major and minor) to display file
 - Add to display header dialog
 - Add \$DISPVERSION to special tags of test-tag entity
 - Add display information fields to header

■ R*TIME Viewer 4.10.0 (cont.)

- Add new 'About Display' menu command
- Ability to look at point data type in numeric values and trends
 - Deal with time and integer values
- Ability to use integer data types as floating point values in all other entities
- Add geographic security to displays - only usable with 12.9 or later server
- Allow indirect points in 'Set Point Value' ActionList elements
- Add new display calculation nodes for integer comparisons and special input values
- Add ability to specify connection port in DataServ.INI
- Add ability to select 'A' color (alarm color) for ranges in Shape Tag and Shape Color entities

■ R*TIME Viewer 4.10.1

- Fix memory overrun on setting \$LOCAL values that could cause crashes on saved environment loads
- \$LOGIN, \$LOGOFF, \$LOGOFFTODEF added to special display names for accessing security menu items
- Fix for tab-enter-activation of non-poke entities defined with action lists
- Fix text tag entities that have static strings shorter than field length adding extra characters

■ R*TIME Viewer 4.10.2

- Fix to include RTIME.tlb, which had been inadvertently removed in the 4.10.1 installation CD
- Added Japanese language support to the R*TIME Excel Add-in ribbon interface.
- Fix an issue where multiple instances of an external app were being created.

- **R*TIME Viewer 4.10.3**

- Fix crash when switching to a different type then SeverGroup in point picklist (tabgrp loadgroup button)
- Fix issue with archive trend data on trends with blank points before valid points
- Add zoom override flags

- **R*TIME Viewer 4.10.4**

- Fix issue with resizing on automatically activated (live poke) screens
- Perform Display Calculations before initial draw of display after load

■ R*TIME Viewer 4.10.5

- Fix Server Group handling in Excel interface when selecting Database Value points
- Change minimum update rate for DataServ.ini to 100 milliseconds (from 250)
- Fix sub-second real-time trend and xy-trend updates
- Fix possible issue with cache reload following server failover
- Change window toolbar button width to be configurable

- **R*TIME Viewer 4.10.6**
 - Do not load local initializers when loading a user state file

■ R*TIME Viewer 4.10.7

- Check external application message source and verify it matches before processing
- Fix math for time values in exported trend data
- Fix error in appearance shape/dynamic text changes when editing a ProgramFunction entity
- Fix error with poke range data being updated on multiple entity edit when not modified in dialog
- Have Password program write initial password/user-name to fields on display so they can be copied to the clipboard
- Add ability to have user-state file on current-display sends written to the user-state directory

■ R*TIME Viewer 4.10.7 (cont.)

- Fix issue with multi-line strings where an empty line would have no height, thus removing spacing between surrounding lines
- Remove context-sensitive help
- Only have bar-charts update limit points (with default scales when current scale invalid) when limit points are \$LOCALs
- Enable progress bar, fetch time estimation, and abort button on trend fetches that use arch_srvr data sources
- Fix setting of link-lost color when Netapp is connected to multiple servers
- Fix error with sending current display to replace a window through a 14.x or later server

- **R*TIME Viewer 4.10.8**
 - Fix error with multiple command-line options for MMI object (-n and -q)



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