



APL+Win 18.0 Beta
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This document contains version history information for this APL+Win 17.3.01 Beta. Please report any problems or comments pertaining to this beta to support@apl2000.com.

Note: This beta is programmed to expire on or about Feb 1, 2018.

Enhancements and Changes

- New Support for DPI-awareness in APL Grid under Windows resolutions greater than 1080p (1920x1080 pixels).

Added support for DPI awareness in the APL Grid ActiveX control included with APL+Win. The APL Grid has been enhanced to always operate with the same DPI awareness as the APL+Win application. If APL+Win is running DPI-aware then the APL Grid also runs DPI-aware at the same DPI scaling factor as the application. Conversely, if APL+Win is running DPI-unaware, the APL Grid also runs DPI-unaware.

The following new properties are added to control image scaling and mask color when an imagelist is specified for the APL Grid with the xImageFile property:

xImageMask property:

Value@Long ← WI 'xImageMask'

WI 'xImageMask' Value@Long

Grid value; mask color of bitmaps in xImageFile for images in cells

Value: integer scalar or one-element vector color value

(default is white: 16777215)

xImageMetrics property:

Value ← WI 'xImageMetrics'

Read-only grid value; Image list cell size (virtual-pixels) and image count

Value: three-element vector: height width count

Returns 0 0 0 if image list not defined



xImageScale property:

Value@Long ← WI 'xImageScale'

WI 'xImageScale' Value@Long

Grid value; DPI scale of xImageFile bitmap (source scaling percentage)

Value: integer scalar or one-element vector dpi scale (default: 100)

- Changed USERID system variable to return the name of the user currently logged into Windows in place of 15 blanks in past versions.
- Changed IT 'wsMergeMode' default from 1 (linear) to 0 (traditional)

In some cases, linear merge mode performance can degenerate significantly and become much slower than traditional merge mode. On the other hand, linear merge mode is never significantly enough faster than traditional merge mode to justify the potential negative consequences of using it as the default. Therefore, the default has been changed from 1 to 0.

Bug Fixes

- Bug Fix: Appending <<<UCS Characters>>> to a native file did not return a DOMAIN ERROR as expected.
- Bug Fix: Specifying a negative left argument in the NRESIZE system function caused the native file to resize to 4 GB in size.
- Bug Fix: Unregistering the APL+Win ActiveX server failed to unregister the APLW.WS ActiveX server object.
- Bug Fix: In some cases, the left argument to the cn system function was not being properly referenced during the lifecycle of the call to the system function resulting in an APL+Win crash.
- Bug Fix: In APL+Win v17.0 and v17.1, the CSE 'texttransfer' property was not properly initialized to zero when the CSE 'Init' or 'InitSTA' methods were executed.

Important Note: Any enhancements, features or changes described in this document is subject to change in the production release of APL+Win 18.0.

Please send your comments on this beta to support@apl2000.com

APL2000 Staff