



APL+Win 18.0

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The APL+Win v18.0 release is available and recommended for all current APL+Win subscribers. To obtain this release, visit <http://www.apl2000.com/software.php> and click [APL+Win v18.0 Installer](#).

This release contains the enhancements, changes and bug fixes listed below:

### **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**

- An in-place assignment was not detected in  WATCHPOINTS in version 17.1.
- Appending <<<UCS Characters>>> to a native file did not return a DOMAIN ERROR as expected.
- The GetDOSHandle function in the UTILITY.W3 workspace crashed in versions 10.0 and newer when called with a non-existing native or traditional component file tie number and an existing Colossal component file number.
- Specifying a negative left argument in the  NRESIZE system function caused the native file to resize to 4 GB in size.
- Unregistering the APL+Win ActiveX server failed to unregister the APLW.WS ActiveX server object.
- 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.
- 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.

Please send your comments or questions on this release to [support@apl2000.com](mailto:support@apl2000.com).

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