

APL+Win Version 14.1
Copyright (c) 2014 APLNow LLC.
All Rights Reserved
May 19, 2014

The APL+Win v14.1 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 v14.1.01 Update" or "APL+Win v14.1.01 installer".

APL+Win 14.1 includes the following important updates:

- Support for more APL primitives in in-place assignment

The previous enhancement to support in-place assignment with catenation is now expanded to support arithmetic functions like plus, minus, times, divide and etc. and also logical functions like and, or, equal, not equal and etc.

Syntax: larg {primitive} ← rarg

- New NFE System Function: This system function supports reading and writing of text to files using different encoding types. Refer to "Chapter 8: Native File with Encoding" in the System Functions Manual for further details.
- The apldata property has been updated to support passing of an enclosed numeric array between the APL+Win client and APL+Win ActiveX server without changing the data's rank and/or shape.
- Bug Fix: The :TRY control structure now works when an error occurs in a User Command function.
- Change:]USAVE User Command
MOM and UCS objects are no longer saved in a User Command file.
- APLNext C# Script Engine
 - This version of the APLNext C# Script Engine requires APL+Win v14.1.01 (or above) and the APLNext C# Script Engine v1.0.108 (or above).
 - The use of multiple APL+Win executable statements separated by the APL+Win diamond statement separator on a line of a CSE script prefixed by 'APL:' is now supported.
 - If an APL+Win exception is thrown by an APL+Win function on a line of a CSE script prefixed by 'APL:', the dm result in the APL+Win session will no longer contain the suffix '⊖0 0 ρ0'.

- The CSE 'ExecStmt' and 'GetValue' methods are enhanced to provide for value substitution of APL+Win scalar value types into the C# executable statement argument to these CSE methods.
- The "[APL+Win C# Script Engine Manual.pdf](#)" document and code samples folder has been extensively updated:
 - Example #172 illustrates setting the value of a C# instance class using the CSE 'SetValue' method.
 - Example #173 illustrates setting and getting the value of a C# character vector using the CSE 'ExecStmt', 'GetValue' and 'SetValue' methods with the .Net "String.ToArray()" method and the "new String(char[])" constructor.
 - Example #174 illustrates multiple APL+Win executable statements on a line in a CSE script prefixed by 'APL:'.
 - Example #175 illustrates using the SQLite ADO.Net provider in APL+Win via the CSE.
 - Example #176 illustrates using the System.Numerics.BigInteger .Net namespace for variable precision arithmetic.
 - Example #177 illustrates scalar value type substitution of APL+Win values with the CSE 'ExecStmt' and 'GetValues' methods.