

APLNext.NetDictionary for APL+Win
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Keyed Arrays in APL - Using a .Net Dictionary in APL+Win

Included with APL+Win v11 is the APLNext.NetDictionary tool which establishes a .Net generic dictionary with string type keys and object type values. This tool may be used by APL+Win applications which process information in an order specified by a list of keys to the values to be processed. The tool's methods and properties are exposed as ActiveX so it can be created and used with the APL+Win [jwi interface.

The APLNext.NetDictionary tool improves performance when multiple independent key-to-value look-ups are involved, compared to traditional dyadic iota and assembly language ROWFIND techniques. The tool does this by using improved hashing of the list of keys and by persisting the hashed list of keys between look-ups.

Current APL+Win subscribers may download this tool from the Software Downloads at <http://www.apl2000.com/software.php> . The download includes pdf-format documentation and the Visual Studio 2010 solution containing the source code and release versions of the dll.