
Subject: U++ 2017.2rc1

Posted by [mirek](#) on Sun, 05 Nov 2017 18:37:36 GMT

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2017.2 (rev 11427) (Nov 2017)

U++ now requires C++14 compatible compiler.

Core

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New AsyncWork class - U++ future-alike tool

CoWork: Exception propagation from worker threads, job cancellation support.

Bits class optimized, it is now possible to set multiple bits (count parameter)

WebSocket refactored for asynchronous operation

UTF-32 support functions, UnicodeCompose and UnicodeDecompose functions, support for UTF16 surrogate pairs

DeleteFolderDeep now deletes symlinks

MakeOne function (alternative to One::Create)

LoadFromFile, StoreToFile - Event variant

ReverseRange and SortedRange

Server Name Indicator support in Socket and HttpRequest

SSL1.1 API support

RegisterGlobalSerialize

GUI programming

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ArrayCtrl: Improvements in sorting, new public GetCellRect, GetCellRectM, GetSelKeys, SetRowDisplay, SetColumnDisplay, AcceptRow methods

Button NakedStyle style.

WithDropChoice: Set/Remove entry in drop-down list

TextCtrl::Load refactored, now can break very long (>1MB) lines

TreeCtrl: GetOpenIds, OpenIds

IdCtrls, SqlCtrls refactored, improved

Option: SetColor

Edit...Spin: RoundFromMin modifier method

ColorPopup now has button to enter the color as text

New features in ScatterDraw, ScatterCtrl

Header / Footer can now be changed using paragraph properties

QTFDisplay now ignores text color / paper if style is not normal

TheIDE

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Improved debugging of console applications with MinGW
MacroManager
Explicit Go to line.. operation (in addition to Navigator)
BRC now supports LZ4, LZMA and Zstd compression
File comparison tool improved
Directory comparison now can show/filter new/modified/removed files
Dark theme highlighting
Duplicate package function
FindAll button in normal Search (finds all occurrences in current file)
HexView now remembers position
Selection can be interpreted as error list
now shows the number of selected characters
tab size now possible on per-file basis
Repository synchronize refactored, now supports both svn and git
Layout visgen improvements
theide now supports Visual Studio 2017 C++ compiler auto setup
MS build tools autosetup

3rd party modules

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MinGW 64 updated to GCC-7.2.0
OpenSSL for VC++ updated to 1.0.2l
plugin/lz4: lz4 updated to 1.7.3
plugin/bz2: updated to 1.0.6
plugin/jpg: updated to version 9b
plugin/pcre: updated to 8.41
plugin/png: updated to 1.2.57
plugin/sqlite3: updated to 3.17.9
plugin/z: Updated to 1.2.11
plugin/Eigen: Updated to version 3.3.4
