Subject: U++ 5485 released Posted by koldo on Thu, 08 Nov 2012 07:23:52 GMT View Forum Message <> Reply to Message

The focus of this release was server programming. The main new feature is "Skylark", lean and mean U++ based web development framework.

What is new in version 5485:

Core

- String class has been further optimized for improved Cat performance.

- Id class was refactored to better support multithreaded programming.

- STATIC_ASSERT introduced for compile-time checks.

- TCP/IP and HTTP was refactored and integrated into Core, providing new TcpSocket,

IpAddrInfo, HttpHeader and HttpRequest classed (effectively obsoleting Web package).

- Value was refactored and optimized, now using small value optimization technique.

- Value got Xmlize (conversion to/from XML) and Jsonize (conversion to/from JSON) support.

- Date now has operator++/--.

- Exit is now equivalent of C exit function, implemented using exception trow to *_APP_MAIN and C++ friendly.

- Thread now has AtExit support.

- .ini parameters now can be optionally encapsulated using INI_* helpers.

- Sort algorithm was refactored, works about 10% faster.

- LOGHEX and DUMPHEX logging macros provided for logging Strings in hexadecimal form.

- LoadFromJsonFile and StoreToJsonFile jsonize object from/to files.

Sql

- 'Of' method, used to qualify SQL column names, now has new alternative notation using operator().

- Schema files information is now accessible application providing a form of database schema introspection.

- JoinRef method of Select provides automatic join where join condition is synthesized by framework based on schema introspection.

- SqlCtrls now support automated mode based on schema introspection.

SqlSession now has ThrowOnError option, when active all SQL errors throw SqlError exception.
Sql: Sql now supports fetching ValueMap of row (using Fetch variant or GetRowMap after

Fetch).

- MassInsert now has "remove" option to remove rows inserted before inserting,

NoUseTransaction option and is using RDBM specific SQL syntax (instead generic UNION ALL trick) when possible.

- Secondary SQLR default session intended for 'read-only' sessions.

- Default sessions SQL and SQLR now can be per-thread (useful for multithreaded server applications).

- Columns and table names now can be optionally quoted (new mode).

- Sql: SqlLoadTable and SqlLoadColumn helper function can read whole tables into C++ VectorMaps.

- New Sqls::operator^ fetches single row from select and returns it as ValueMap.

RichText, RichEdit

- Paragraph ruler now can have dotted or dashed styles

CtrlLib

- EditField now has WhenPasteFilter that can be used to change pasted clipboard text before inserting it.

- FileSel in Win32 is now using separate thread to lazy-load icons.

- ColorPopup checks clipboard and when it founds a text resembling color definition (like #12aa33 or 123 55 6), adds this color to predefined colors in selection.

ide

- New, vastly improved GDB frontend.

- Startup times should be significantly improved.
- C#, JavaScript and css syntax highlighting.

- Ide now can view .png, .jpg, .gif and .bmp files and even edit smaller .png files.

- New save file on window deactivation option is helpful when editing scripts or web templates - no need to save file when going to another window to test.

- Insert clipboard as C string, convert text to C string functions.

- New find in files dialog option to filter files according to their 'read only' status.

You can download it from Sourceforge, Launchpad or from AUR (Arch User Repository).

Subject: Re: U++ 5485 released Posted by dolik.rce on Thu, 08 Nov 2012 08:03:52 GMT View Forum Message <> Reply to Message

koldo wrote on Thu, 08 November 2012 08:23You can download it from Sourceforge, Launchpad or from AUR (Arch User Repository).

... and also from our new Debian repository.

Honza

Subject: Re: U++ 5485 released Posted by masu on Thu, 08 Nov 2012 09:01:50 GMT View Forum Message <> Reply to Message

It is also available on FreeBSD from the ports.

Matthias

Subject: Re: U++ 5485 released Posted by copporter on Thu, 08 Nov 2012 11:56:48 GMT Wow, awesome changelog!

Haven't used U++/C++ in quite a while and I do miss it! Especially when facing the godawful GUI some things have out there. Sometimes it feel like U++ is the only one who got it right .

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