Subject: Added Xlnt .xlsx library
Posted by koldo on Fri, 02 Feb 2024 09:22:37 GMT
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Hi everyone

Xlnt library has been added to UppHub. Xlnt is a library for manipulating spreadsheets in memory and reading/writing them from/to XLSX files, in Windows and Linux.
This library does not require MS Office or Open Office to be installed.

Xlnt U++ in UppHub includes some helper functions for Xlnt, and a simple sample included in examples/Xlint_demo_cl package.

As it is a C++ library, simple to use, no wrapper has been created.

Being on UppHub, any U++ user can use it very easily.

Subject: Re: Added Xlnt .xlsx library
Posted by koldo on Sun, 27 Jul 2025 11:08:11 GMT
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Xlnt is updated to latest commit 326bcc5 (22/07/2025)
Now it uses Xlnt-Community thanks to Forlano advice.

Please rebuild all after updating.

Subject: Re: Added Xlnt .xlsx library
Posted by forlano on Wed, 22 Apr 2026 18:03:27 GMT
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Hello,

I have problem to reinstall <plugin/Xlnt> from UppHUb. Is there any problem?

Thanks,
Luigi

Subject: Re: Added Xlnt .xlsx library
Posted by koldo on Thu, 23 Apr 2026 05:57:23 GMT
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Hello Luigi

The first possible reason is that it would be necessary to update UppHub, as some libraries used by Xlnt have changed.
If this is not the case please give me more details.

Subject: Re: Added Xlnt .xlsx library
Posted by forlano on Thu, 23 Apr 2026 11:07:10 GMT
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Hi Iñaki,

thanks for reply.
I had to do a fresh install of U++ and now it works. I do not know why it stopped to work.
While compiling my app I just noticed a compiler complain in package function4U (Clang under Windows)

C:\upp\UppHub\Functions4U/Functions4U/Defs.h (7): error: no matching function for call to 'isnan'

ChatGPT examined the code and said std::isnan<double>(n) does not require <double>.
I do not know if it is true (sometimes it invents things). Anyway it gives me the following version

```
#ifndef _Functions4U_Defs_h_
#define _Functions4U_Defs_h_

#include <cmath>
#include <complex>
#include <limits>

namespace Upp {

#ifdef PLATFORM_WIN32
inline bool IsNum(const double &n) { return !std::isnan(n) && !std::isinf(n) && !IsNull(n); }
inline bool IsNum(const float  &n) { return !std::isnan(n) && !std::isinf(n); }
#else
inline bool IsNum(const double &n) { return !__builtin_isnan(n) && !__builtin_isinf(n) && !IsNull(n);
}
inline bool IsNum(const float  &n) { return !__builtin_isnan(n) && !__builtin_isinf(n); }
#endif

inline bool IsNum(const int &n) { return !IsNull(n); }

template <typename T>
inline bool IsNum(const std::complex<T> &n) {
    return !(!IsNum(n.real()) || !IsNum(n.imag()));
}
```

```
template <typename T>
bool IsNull(const std::complex<T> &d) { return !IsNum(d); };

#define NaNComplex std::complex<double>(std::numeric_limits<double>::quiet_NaN(),
std::numeric_limits<double>::quiet_NaN())
#define NaNDouble  std::numeric_limits<double>::quiet_NaN()

template <typename T>
inline std::complex<T> i() { return std::complex<T>(0, 1); };

template <typename T>
inline bool IsNum(const Point_<T> &n) { return IsNum(n.x) && IsNum(n.y); }

}
#endif
```

and I was able to compile. I hope it will not backfire. Please have a look at it.

Thanks and best regards,
Luigi

Subject: Re: Added Xlnt .xlsx library
Posted by koldo on Thu, 23 Apr 2026 13:39:32 GMT
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Hi Luigi

Thank you for your concern and your help.

In my case I have CLANG18 in Windows and Linux, and they do not complain.
In any case I have removed the <double> and <float>, so I hope that your compiler will nor complain now.

Thank you again.

Subject: Re: Added Xlnt .xlsx library
Posted by forlano on Wed, 27 May 2026 13:43:56 GMT
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Hi Iñaki,

at some moment my package using Xlnt stopped to work with error

C:\upp\UppHub\Xlnt\plugin\Xlnt\source\detail\unicode.cpp (42): error: use of undeclared identifier

'utf8__' (): 42 | u tf8__::utf8to16(utf8_string.begin(), utf8_string.end(), std::back_inserter(result));
C:\upp\UppHub\Xlnt\plugin\Xlnt\source\detail\unicode.cpp (49): error: use of undeclared identifier 'utf8__' C:\upp\UppHub\Xlnt\plugin\Xlnt\source\detail\unicode.cpp (56): error: use of undeclared identifier 'utf8__' C:\upp\UppHub\Xlnt\plugin\Xlnt\source\detail\unicode.cpp (63): error: use of undeclared identifier 'utf8__' C:\upp\UppHub\Xlnt\plugin\Xlnt\source\detail\unicode.cpp (89): error: use of undeclared identifier 'utf8__' C:\upp\UppHub\Xlnt\plugin\Xlnt\source\detail\unicode.cpp (95): error: use of undeclared identifier 'utf8__'

It was the second time it happened and the last time I had to reinstall the whole Upp.
Today I discovered that if in the file unicode.cpp I modify it in this way

```
#pragma clang diagnostic push
#pragma clang diagnostic ignored "-Wdeprecated"
#pragma clang diagnostic ignored "-Wweak-vtables"
#pragma clang diagnostic ignored "-Wsign-conversion"
#pragma clang diagnostic ignored "-Wsuggest-override"
//#include <utf8.h>    //<--- comment this one
#include <plugin/Xlnt/third-party/utfcpp/utf8.h>  //<---- new include
#pragma clang diagnostic pop
```

it works. I do not know why. However now it works on my machine.

Best regards,
Luigi

Subject: Re: Added Xlnt .xlsx library
Posted by koldo on Wed, 03 Jun 2026 08:54:40 GMT
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Hi Luigi

Probably, for any reason, your system finds other utf.h file before the one required, even though this is included in the internal include list.
I have included your fix, thank you!
