
Subject: 2025.1rc

Posted by [mirek](#) on Tue, 25 Feb 2025 09:43:17 GMT

[View Forum Message](#) <> [Reply to Message](#)

The very first attempt...

<https://sourceforge.net/projects/upp/files/upp/2025.1rc/>

2025.1rc (Mar 2024)

Core

In Posix .log files moved to .local/state/u++/log

Lerp templates and functions for linear interpolation

FormatIntBase changed to work with int64 instead of int

DarkTheme function adjusted to better convert low luminosity colors

New AColor and SColor types allow simplified adjustments for dark mode when runtime theme switch happens.

Moveable logic changed to improve incomplete type handling

CountBits / CountBits64 function (using popcnt instruction)

new flagLEGACY_CPU to support really old CPUs

CtrlLib, CtrlCore

Runtime skin changes

InfoCtrl::LeftZ/RightZ scaled methods

Additional Animate functions for animation of widgets or general rectangles

WhenLeftUp event added to DocEdit/LineEdit/RichEdit

General chameleon look improvements in Linux/Windows/MacOS

AllowDarkContent in color selection widgets shows colors converted with DarkTheme if dark mode is active

Nicer Win11 dialog icons

Experimental Wayland support (there is now Wayland option in theide setup)

RichEdit

Set last character format tool

Find previous button in Find dialog

When find/replace dialog is open Enter key does another find

PersistentFindReplace now default false

Ctrl+Click now opens http and https links

Zooming improvements

PixelMode - special mode where images at 100% are pixel perfect.

AllowDarkContent, DarkContent - displays all colors converted with DarkTheme if dark mode is active, effectively allows dark paper in dark mode.

Core/SSH

libssh2 upgraded to version 1.11.1 (#209)

ide, umk

Posix config is now always in the same folder ../theide/.. for all variants of theide and umk (to share the same .var and .bm files)

RichEdits in theide now support dark theme

Json/XML viewer

aux packages now have Remove all menu command

bmGIT_BRANCH in build info

The option in settings to allow access to Downloads folder (default off on MacOS to prevent MacOS asking the permission)

Search in files new external includes and current assembly options

"Preselect All" option in assembly setup

Git history of file now shows blame

Git history of file Copy Hash button

Multiline cursor (Alt+Shift+Down to start)

Insert sequence tool

Automatic rc file creation (with app icon and manifest)

PDB debugger now can use Esc scripts for pretty printing

xfce terminal support in setup

experimental glslc support (see upptst/vulkan)

experimental CUDA support

MacOs

Fixed Assist issues

Fixed desktop folders (e.g. GetDownloadFolder function)

Main menu flicker prevention

Subject: Re: 2025.1rc

Posted by [Oblivion](#) on Tue, 25 Feb 2025 18:49:39 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi Mirek,

Looks really good, thank you for your efforts!

There seems to be a small theming/coloring issue (or change, I am not sure) on GTK dark theme (Adwaita). Original colors seem more natural under GTK.

Best regards,
Oblivion

Subject: Re: 2025.1rc

Posted by [pvictor](#) on Wed, 26 Feb 2025 04:47:33 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi,
I still get segmentation fault trying to run all latest builds on Linux.
But when I compile them with flag X11, they work.

Linux Mint 21.3 (base: Ubuntu 22.04)
Xfce 4.18.1
Gtk 3.24.33

Best regards,
Victor

Subject: Re: 2025.1rc

Posted by [mirek](#) on Wed, 26 Feb 2025 09:38:24 GMT

[View Forum Message](#) <> [Reply to Message](#)

pvictor wrote on Wed, 26 February 2025 05:47Hi,
I still get segmentation fault trying to run all latest builds on Linux.
But when I compile them with flag X11, they work.

Linux Mint 21.3 (base: Ubuntu 22.04)
Xfce 4.18.1
Gtk 3.24.33

Best regards,
Victor

Can you try in gdb? "Still" is since when?

Subject: Re: 2025.1rc

Posted by [pvictor](#) on Wed, 26 Feb 2025 10:16:53 GMT

[View Forum Message](#) <> [Reply to Message](#)

mirek wrote on Wed, 26 February 2025 14:38
Can you try in gdb? "Still" is since when?

Since upp-posix-17662.tar.xz
The last nightly build, that worked - upp-posix-17647.tar.xz.

Subject: Re: 2025.1rc

Posted by [pvictor](#) on Wed, 26 Feb 2025 10:32:42 GMT

[View Forum Message](#) <> [Reply to Message](#)

Today's release in GDB: (maybe it will help)

(gdb) run

Starting program: /tmp/upp/theide

[Thread debugging using libthread_db enabled]

Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".

[New Thread 0x7ffff1e00640 (LWP 12234)]

[New Thread 0x7ffff1400640 (LWP 12235)]

Thread 1 "theide" received signal SIGSEGV, Segmentation fault.

__pthread_mutex_lock (mutex=0x9b923358dd665169) at ./nptl/pthread_mutex_lock.c:80

80 ./nptl/pthread_mutex_lock.c: No file.

(gdb) backtrace

#0 __pthread_mutex_lock (mutex=0x9b923358dd665169) at ./nptl/pthread_mutex_lock.c:80

#1 0x00007ffff7d3d60f in XrmQGetResource () at /lib/x86_64-linux-gnu/libX11.so.6

#2 0x00007ffff7d1ed8a in XGetDefault () at /lib/x86_64-linux-gnu/libX11.so.6

#3 0x00007ffff64b5a13 in _XcursorGetDisplayInfo () at /lib/x86_64-linux-gnu/libXcursor.so.1

#4 0x00007ffff64b6b0d in XcursorGetTheme () at /lib/x86_64-linux-gnu/libXcursor.so.1

#5 0x00007ffff73593d1 in gdk_x11_display_set_cursor_theme ()

at /lib/x86_64-linux-gnu/libgdk-3.so.0

#6 0x00007ffff76e1681 in () at /lib/x86_64-linux-gnu/libgtk-3.so.0

#7 0x00007ffff76e7240 in () at /lib/x86_64-linux-gnu/libgtk-3.so.0

#8 0x0000555555a78281 in ()

#9 0x0000555555afba79 in ()

#10 0x0000555555e31028 in ()

#11 0x0000555555e31301 in ()

#12 0x000055555577493f in ()

#13 0x00007ffff6229d90 in __libc_start_call_main

(main=main@entry=0x555555774870, argc=argc@entry=1, argv=argv@entry=0x7fffffd8)

at ../sysdeps/nptl/libc_start_call_main.h:58

#14 0x00007ffff6229e40 in __libc_start_main_impl

(main=0x555555774870, argc=1, argv=0x7fffffd8, init=<optimized out>, fini=<optimized out>, rtdl_fini=<optimized out>, stack_end=0x7fffffd8) at ../csu/libc-start.c:392

#15 0x000055555577c0f5 in ()

Subject: Re: 2025.1rc

Posted by [pvictor](#) on Wed, 26 Feb 2025 11:05:59 GMT

[View Forum Message](#) <> [Reply to Message](#)

The same with debug version:

```
(gdb) run
Starting program: /tmp/upp1/theide
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".
[New Thread 0x7ffff1e00640 (LWP 13627)]
[New Thread 0x7ffff1400640 (LWP 13628)]
```

```
Thread 1 "theide" received signal SIGSEGV, Segmentation fault.
__pthread_mutex_lock (mutex=0x9b923358dd665169) at ./nptl/pthread_mutex_lock.c:80
80  ./nptl/pthread_mutex_lock.c: No file.
```

```
(gdb) backtrace
#0  __pthread_mutex_lock (mutex=0x9b923358dd665169) at ./nptl/pthread_mutex_lock.c:80
#1  0x00007ffff7d3d60f in XrmQGetResource () at /lib/x86_64-linux-gnu/libX11.so.6
#2  0x00007ffff7d1ed8a in XGetDefault () at /lib/x86_64-linux-gnu/libX11.so.6
#3  0x00007ffff64b5a13 in _XcursorGetDisplayInfo () at /lib/x86_64-linux-gnu/libXcursor.so.1
#4  0x00007ffff64b6b0d in XcursorGetTheme () at /lib/x86_64-linux-gnu/libXcursor.so.1
#5  0x00007ffff73593d1 in gdk_x11_display_set_cursor_theme ()
    at /lib/x86_64-linux-gnu/libgdk-3.so.0
#6  0x00007ffff76e1681 in () at /lib/x86_64-linux-gnu/libgtk-3.so.0
#7  0x00007ffff76e7240 in () at /lib/x86_64-linux-gnu/libgtk-3.so.0
#8  0x0000555555ab5654 in Upp::GtkSettingsString(char const*)
    (name=0x555556724259 "gtk-font-name") at /tmp/upp1/uppsrc/CtrlLib/ChGtk3.cpp:24
#9  0x0000555555ab56f5 in Upp::SetupFont() () at /tmp/upp1/uppsrc/CtrlLib/ChGtk3.cpp:35
#10 0x0000555555ab6fe3 in Upp::ChHostSkin() () at /tmp/upp1/uppsrc/CtrlLib/ChGtk3.cpp:299
#11 0x0000555555f64044 in Upp::Ctrl::ReSkin() () at /tmp/upp1/uppsrc/CtrlCore/Ctrl.cpp:949
#12 0x0000555555f63592 in Upp::Ctrl::SetUHDEnabled(bool) (set=true)
    at /tmp/upp1/uppsrc/CtrlCore/Ctrl.cpp:792
#13 0x0000555555f93d18 in Upp::InitGtkApp(int, char**, char const**)
    (argc=1, argv=0x7fffffd8, envp=0x555556c6a020)
    at /tmp/upp1/uppsrc/CtrlCore/GtkApp.cpp:123
#14 0x00005555557b3a28 in main(int, char**, char const**)
    (argc=1, argv=0x7fffffd8, envp=0x555556c6a020) at /tmp/upp1/uppsrc/ide/main.cpp:178
```

Subject: Re: 2025.1rc
Posted by [mirek](#) on Wed, 26 Feb 2025 11:59:56 GMT
[View Forum Message](#) <> [Reply to Message](#)

pvictor wrote on Wed, 26 February 2025 11:16mirek wrote on Wed, 26 February 2025 14:38
Can you try in gdb? "Still" is since when?

Since upp-posix-17662.tar.xz
The last nightly build, that worked - upp-posix-17647.tar.xz.

Thanks.

As those numbers are now a bit fuzzy, can you perhaps tell me the date of 17647? (maybe you have it still in downloads or something)

Subject: Re: 2025.1rc
Posted by [pvictor](#) on Wed, 26 Feb 2025 12:35:35 GMT
[View Forum Message](#) <> [Reply to Message](#)

mirek wrote on Wed, 26 February 2025 16:59
Thanks.

As those numbers are now a bit fuzzy, can you perhaps tell me the date of 17647? (maybe you have it still in downloads or something)
~ 02/02/2025

Subject: Re: 2025.1rc
Posted by [mirek](#) on Wed, 26 Feb 2025 14:52:12 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hopefull fix:

<https://github.com/ultimatepp/ultimatepp/commit/ee13d043b7c338291e64a6d300405d9d30d28a75>

Hope this will not break "experimental wayland support"...

Subject: Re: 2025.1rc
Posted by [pvictor](#) on Wed, 26 Feb 2025 15:42:02 GMT
[View Forum Message](#) <> [Reply to Message](#)

mirek wrote on Wed, 26 February 2025 19:52Hopefull fix:

<https://github.com/ultimatepp/ultimatepp/commit/ee13d043b7c338291e64a6d300405d9d30d28a75>

Hope this will not break "experimental wayland support"...
Yes, it works now.

Thanks.
