

Overview of Changes in GTK+ 3.8.0

* Bug fixes

674759 GtkLabel: wrong value of "mnemonic-keyval" when... 외 다수

* Translation updates

Aragonese 외 다수 언어 업데이트

Overview of Changes in GTK+ 3.7 to 3.9

* GtkFileChooser:

- Always show fuse-mounted locations in shortcuts
- GtkFileChooserButton has received a lot of fixes and tests have been added for many of them

* GtkWindow:

- Initial support for client-side decorations has been added. (Wayland 지원)
- gtk_window_set_titlebar: A new function that can set a custom, client-side titlebar on toplevel windows.

* Wayland:

- Use client-side decorations 외 다수 지원 (향상 및 수정)

* Broadway:

- Improve window size handling
- Implement frame synchronization

Overview of Changes in GTK+ 3.9.16 to 3.10.0

* Accessibility improvements

- Add accessible names to csd window buttons
- Mark GtkLinkButton as visited when appropriate
- Add a GtkListBoxRow accessible

* Bug fixes:

692258 Implement GtkListBoxRowAccessible, set its state to... 외 다수 수정

* Translation updates

Assamese 외 다수 언어 업데이트 (19 개 언어 지원)

Overview of Changes in GTK+ 3.10 to 3.11.0

- * New notebook tab styling: GtkNotebook now offers a way for themes to opt out of the tab rendering, with the 'has-tab-gap' style property.
- * GtkFlowBox: A container that its children in a reflowing grid, which can be oriented horizontally or vertically.
- * GtkStack: children can now indicate that they require attention by setting the needs-attention child property.
- * Broadway now requires binary array buffers and modern WebSocket protocol support
- * Autoscrolling in range widgets has been improved to work more reliably in maximized windows.
- * GtkSpinner has been changed to render in in a limited set of sizes.
- * GtkApplication now stores and handles accelerators for GActions itself.
- * GtkIconTheme now falls back to the gnome icontheme to fix problems with the availability of symbolic icons in other icon themes.
- * GTK+ respects the deprecated gtk-button-images and gtk-menu-images settings again.
- * Bugs fixed:
168530 gtk_accel_map_load: wasteful extra stat call. 외 다수 수정

Overview of Changes in GTK+ 3.11.9 to 3.12.0

- * Wayland:
 - Add support for input regions 외 다수 지원 (항상 및 수정)
- * Bugs fixed:
723045 Window re-size causes artifacts 외 다수 버그 수정
- * Translation updates:
Czech 외 다수 언어 업데이트 (총 9 개 언어)

Overview of Changes in GTK+ 3.13.1 to 3.13.2

- * Interactive debugging support. The GtkInspector window can be triggered with the Ctrl-Shift-I or Ctrl-Shift-D keyboard shortcuts, or via the GTK_DEBUG environment variable.
- * Gesture support has landed.
- * GTK+ widgets can now draw outside their allocation, by setting a clip with gtk_widget_set_clip().
- * GtkStack has added a few more transition types
- * GtkProgressBar is now narrower
- * Theme
 - Use outlines to render focus rings 외 다수 수정
- * Wayland:
 - Update to the latest xdg-shell protocol
- * **Deprecations:**
 - GdkColor**
 - GtkMisc**
 - GtkArrow**
 - focus-line-width style property**
 - GtkNumerableIcon**
 - GtkButton::x/yalign**
 - gtk_widget_reparent**
 - gtk_widget_region_intersect**
 - gtk_container_set_reallocate_redraws**
- * Bugs fixed:
 - 525206 Remove superfluous non-NULL tests for the GtkScrolledWindow scrollbars 외 다수 수정
- * Translation updates:
 - Belarusian 외 다수 언어 업데이트 (총 4개 언어)

Overview of Changes in GTK+ 3.13.9 to 3.14.0

* GtkMisc::xalign has been undeprecated for now, it is still needed

* GtkIconView

- Always draw cell background
- Fix handling of prelight items

* GtkWindow

- Fix growing nautilus windows

* Bugs fixed:

736338 GTK+ reftests can't be built on W32 외 다수 수정

* Translation updates:

Bengali (India) 외 다수 언어 업데이트 (총 13 개 언어)

Overview of Changes in GTK+ 3.15.0

* GDK supports rendering windows using OpenGL; currently this is implemented for X11 and Wayland using libepoxy

* GtkGLArea: A new widget for rendering with OpenGL

* GtkSidebar: A new switcher for GtkStack that looks like a sidebar

* Better typography: In many places, we now use proper Unicode characters for dashes, quotes, multiplication signs and the like, instead of ASCII approximations

* Theming:

- Context menus use the default font instead of inheriting from the widget they are attached to 외 다수 수정

* GtkTextView has a monospace property

* GtkPaned has a wide-handle property

* GtkPrintUnixDialog

- Has improved appearance without headerbars

- Better rendering of sheet icons
- No more missing icons

* GtkScrolledWindow

- A new policy, GTK_POLICY_EXTERNAL, which allows scrolling without showing a scrollbar
- Scroll events can now overshoot as well
- The new signal ::edge-overshot is emitted when the scrolled window is fully overshoot
- Scrollbars will be overlayed as narrow indicators when there is no mouse

*** Deprecations:**

- **gdk_window_set_static_gravities**
- **gdk_window_set_composited**
- **gtk_style_context_get_background_color**
- **gtk_style_context_get_border_color**
- **gtk_settings_set_string/long/double_property**
- **gtk_settings_install_property**

Overview of Changes in GTK+ 3.16.0

* Theming: Fixes for the HighContrast theme

* Wayland: Fix Clipboard handling

* Bug fixes:

746148 Overlay controls unusable in HighContrast 외 다수 수정

* Translation updates:

Basque 외 다수 언어 업데이트 (총 11 개 언어)

Overview of Changes in GTK+ 3.17.2

* GtkFontChooser:

- Allow custom font maps, to support application-specific fonts
- Improve the 'no search results' page

* GtkFileChooser:

- Change simple search engine to search breadth-first

- Make the simple search engine use GIO, so it works on remote shares too
- Merge results from the tracker and simple search engines
- Add a 'no search results' page

* GtkPlacesSidebar:

- Use a popover for renaming bookmarks

* GtkPopover:

- Add support for default widgets

* GtkScrolledWindow:

- Support kinetic scrolling on touchpads

* GtkBuilder:

- Improve error reporting
- gtk-builder-tool can validate templates
- gtk-builder-tool can enumerate named objects

* gtk3-demo:

- New cursors demo
- New page setup demo
- Builder demo ported away from GtkUIManager

* GDK:

- Make css cursor names work across backends

* Wayland:

- Remove assumptions on ordering of globals in startup
- Improve DND support in various places
- Support css cursor names

* X11:

- Support XRANDR 1.5 monitor objects
- Support css cursor names

* Bugs fixed:

619493 Mark two functions from GtkAdjustment's public API deprecated 외 다수 수정

* Translation updates:

Catalan 외 다수 언어 업데이트 (총 11개 언어)

Overview of Changes in GTK+ 3.18.0

* Speed up shadow drawing by caching corner shadows

* Memory leak fixes

* Bugs fixed:

681965 Clean up the autotools files on the parts used for Visual C++... 외 다수 수정

* Translation updates:

Brazilian Portuguese 외 다수 언어 업데이트 (총 18 개 언어)

Overview of Changes in GTK+ 3.19.12

* GTK+ now respects default size even for windows that are not resizable

* GtkScale and GtkScrollbar have received multiple fixes for fallout from the gadget port

* GtkStackSwitcher will now switch pages when hovered during drag-and-drop

* Themes:

- Windows theme: handle spin buttons and switches
- Adwaita: Fixes for scales, combo boxes, info bars, action bars, radio and check buttons, side bars, etc
- Adwaita has gained a new style of drop target highlighting

* Wayland:

- Synchronize key repeat with server
- Add a bell request to gtk_shell and use it to implement gdk_window_beep
- Add a focus request to gtk_shell and use it to implement gtk_window_present
- Dropping tabs to create new windows is now supported

* Bug fixes:

583780 gtk_toggle_button_set_mode() documentation should suggest when it is... 외 다수 수정

* Translation updates:

Brazilian Portuguese 외 다수 언어 업데이트 (총 21 개 언어)

Overview of Changes in GTK+ 3.20.0

* Themes:

- The HighContrast theme has been brought back up to par with Adwaita
- Adwaita has received detail fixes for many widgets
- Adwaita now transitions to backdrop

* Some recently publicized static analysis findings have been fixed

* Bugs fixed:

746490 [HighContrast] insensitive ToggleButtons are rendered similarly ac... 외 다수 수정

* Translation updates

Brazilian Portuguese 외 다수 언어 업데이트 (총 13 개 언어)

Overview of Changes in GTK+ 3.22.0

* Reduce some noisy warnings

* Improve positioning and sizing of popups on Wayland

* Update Adwaita assets

* Bugs fixed:

602773 GdkEventKey.is_modifier is 0 for Shift, Ctrl, Alt keys 외 다수 수정

* Translation updates:

Brazilian Portuguese 외 다수 언어 업데이트 (총 13 개 언어)

Overview of Changes in GTK+ 3.23.0

* **Dependency bumps:**

- **Require libepoxy 1.4**
- **Require pango 1.41**

* New font chooser features:

- Allow setting OpenType font features
- Show examples for OpenType font features
- Allow selecting OpenType font variations
- Support levels of details for selection

* New Emoji features:

- Support a completion popup for Emoji
- Drop Ctrl-Shift-e shortcut

* Other new apis:

- gdk_window_move_to_rect

* Wayland:

- Use anonymous shared memory on FreeBSD

* Bugs fixed:

#85 widgetDragDestFindTarget introspection data does not show nullable... 외 다수 수정

* Translation updates:

Catalan 외 다수 언어 업데이트 (총 5 개 언어)

Overview of Changes in GTK+ 3.24.0

* GtkApplication can now track screensaver state

* Translation updates:

- Brazilian Portuguese 외 다수 언어 업데이트 (총 16 개 언어)