Pidgin: Window Resizing Documentation

# GTK\_Paned

**Documentation:** <https://docs.gtk.org/gtk3/class.Paned.html>

The container used to adjust the Buddy List is called GTK Paned. GTK Paned will place two GTK widgets in a container separated by an adjustable bar. Dragging this bar will dynamically allocate size to the two widgets based on the position of the bar.

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The implementation for the resize function is shown above (In gtkblist.c, pidgin\_blist\_show function). The flow for the code is as follows:

* Declare a new hpaned object
* Pack hpaned object into the main vbox where the buddylist is contained
* Show hpaned object
* Pack the scrollable buddy list into the left side of the hpaned object
* Pack the chat\_notebook (chat logs) into the right of the hpaned object

This is a basic rundown of how the change was implemented. Below are some helpful links and tutorials to help get started with GTK+:

<https://www.youtube.com/watch?v=6dstft52Rbs>: Video series on the basics of GTK+

<https://python-gtk-3-tutorial.readthedocs.io/en/latest/layout.html>: Boxes tutorial

<https://www.youtube.com/watch?v=TPyiNl_fmyQ&list=PLEs_0O72adQBUpcPJv7dKaElGwyzVljtk&index=1>: Another video series on GTK+ basics

# Errors

Graphical user interface, application

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On initial startup only the buddy list is displayed. When resizing the buddy list past text size, the groups/buddies do not collapse entirely. Probably can be fixed somewhere within gtkblist.c.

## G\_signal\_connect

The program will crash if the chat window is completely minimized when resized. This is an issue resolved in another implementation of paned in the user list. They create a g\_signal\_connect function that will keep the window at >1px width to circumvent this issue.

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