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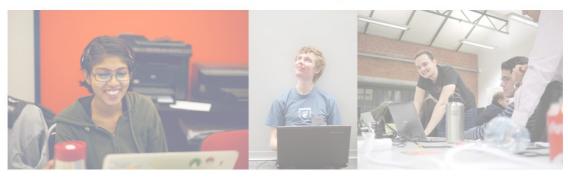


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Be a part of a vibrant worldwide community



GNOME is a friendly and welcoming community. Getting involved is a great way to learn skills, have fun, and help to create world-class Free Software.

Pick an area

Coding

GNOME has every kind of coding task, and there are guides to help you get started.

Read the Newcomers Guide

Engagement

The Engagement Team works on marketing, user outreach, events organization, and websites. It wants your help!

Join the Engagement Team

Documentation

Help to maintain GNOME's user and developer documentation.

ontribute to the Documentation Team

Translation

GNOME is translated into over 80 languages, all thanks to our volunteers. Help to translate it into your language!

Find a Localization Team

Can't find what you're looking for?

There are many other teams and activities in the GNOME project, including testing, design, bug triage, system administration, and more.

Browse Other Teams

Little of History

- GNOME Love
- 3 years ago, the transformation starts.
- 2 years ago, Bastian joins
- 1 year ago, Newcomers initiative
- Now, newcomers genesis evolution.



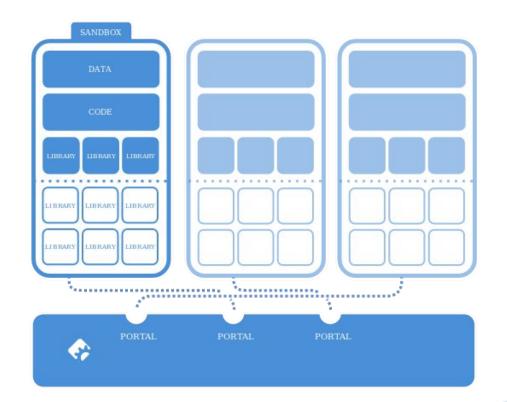
The build problem

- Jhbuild is absurdly complex for current standards (e.g. npm, cargo, etc.)
- Build times around 8h if including WebKit
- No reproducible
- Only latest Fedora and Ubuntu supported



The solution - Flatpak

- Reproducible
- No distro dependent
- Build times around 8 min
- Common runtime + few deps
- Each app has a manifest



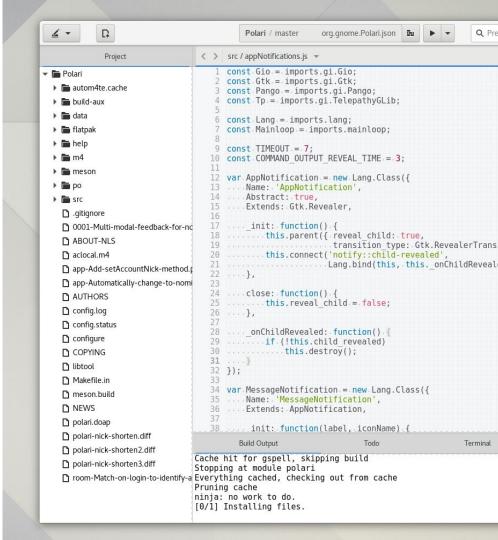
The integration problem

- No software is integrated with jhbuild
- And mostly cannot be
- Terminal is required for building and contributing to GNOME
- Documentation is sparse and in different places
- No profiling of the app
- No debugging of the app
- No git UI



The solution - Builder

- Flatpak can be integrated easily
- No terminal required anymore
- Documentation can be integrated
- Debugger can be integrated
- Profiling is integrated
- Git management can be integrated



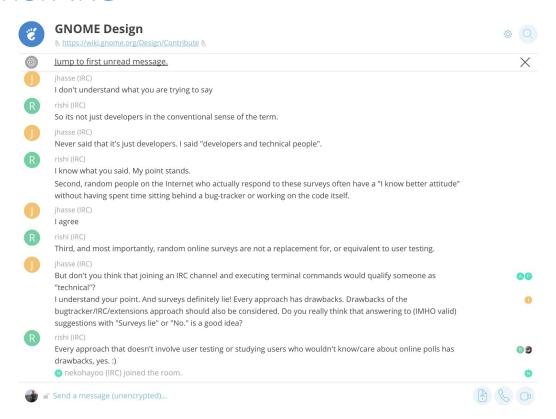
Problems were not only technical

- IRC is outdated and inconvenient
- Wiki feels visually old
- Not feeling of accomplishment during guide
- Not clear how many steps remaining
- Not guide for after your first patch
- No visual guidance



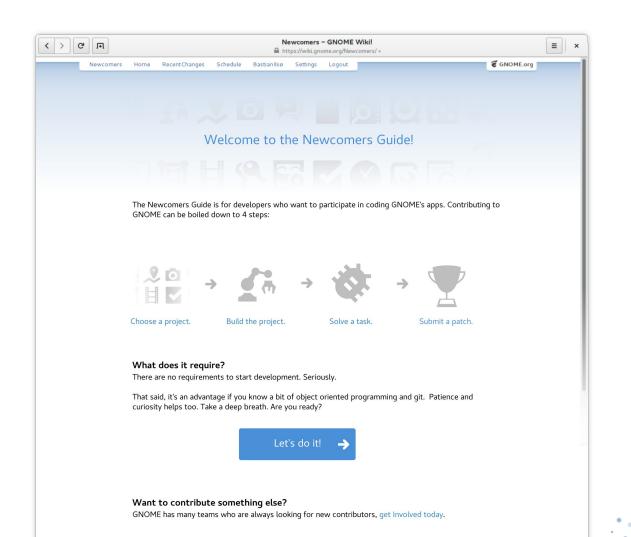
Riot - The new IRC

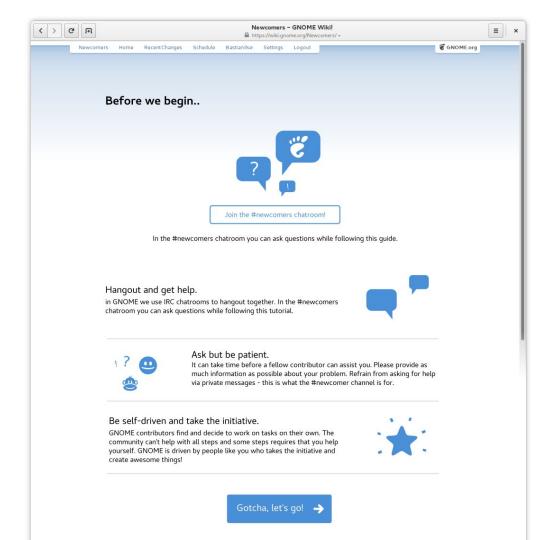


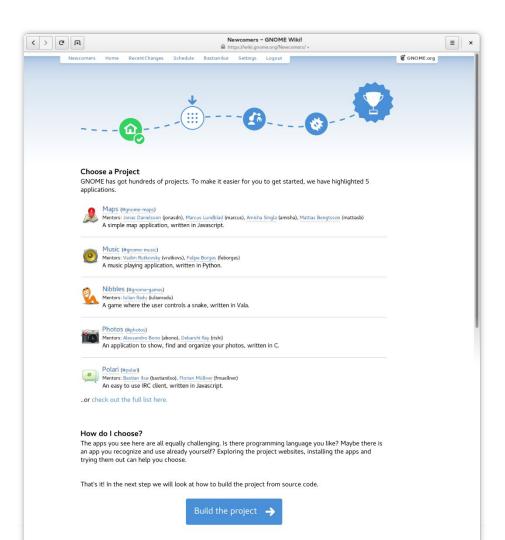


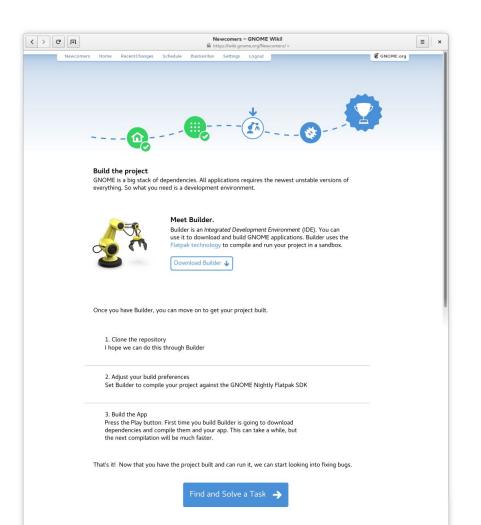


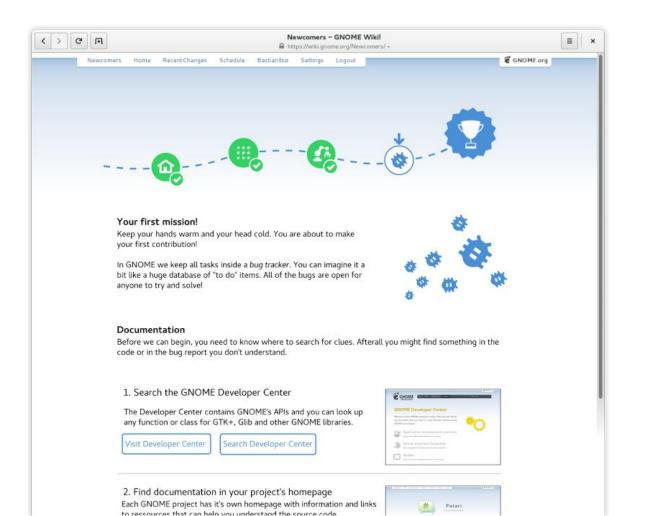
Newcomer Genesis Evolution



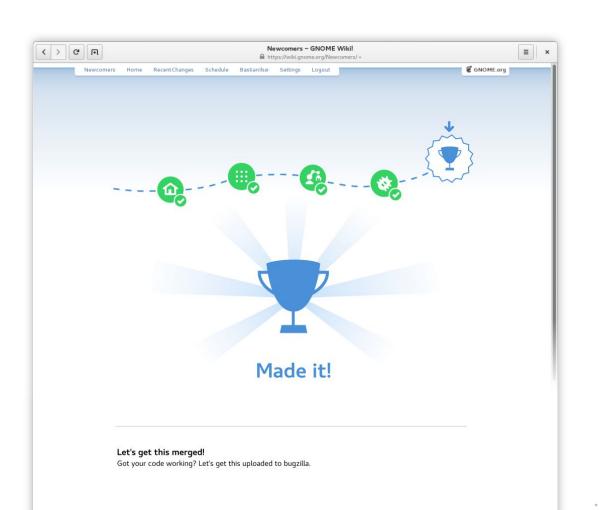


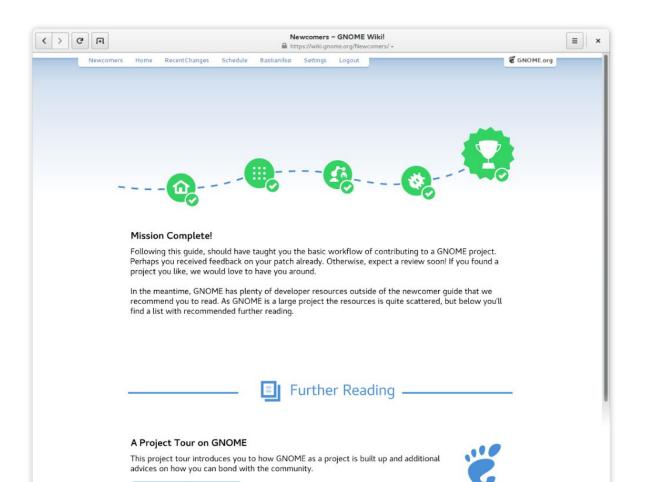






If you haven't checked out your application's homepage, go back to the Choose Propert step and do at Baycar Marie Baycar Male Baycar Mills Baycar Mills Baycar Males If your loss centaris reproduction steps, by to reproduce it. git grey "Witk Label"







What's Next

Sometimes flatpak-builder fails to download, no instructions provided for manual install.

Once Builder fails, nobody knows what to do. We provide a streamline process, but if it fails, is critical. No way to workaround it. Installing builder nightly when you already have builder installed (stable/distro etc).

Overriden builder .desktop files

Link directly to a web chat client with decent UX and guest access such as Riot Setup inconsistency between what developers run and what newcomers run.

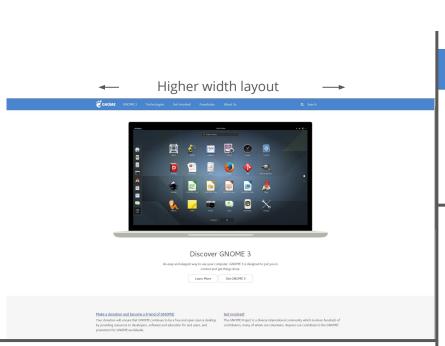
Provide flatpak download to gitg

k

Things requiring to delete the builder cache

Things requiring to delete the flatpak cache

warning messages which might add to the confusion like "Gtk-Message: Failed to load module "unity-gtk-module" or "Failed to load module "canberra-gtk-module""





Multi-column text

Thanks tomtryf!

/Newcomers/SubmitPatch



Current Centered Fix?

Long-term Re-Evaluation

What do we need in a newcomer guide?

..ls it just an objective guide with a few instructions in it?

..ls this all that newcomers need to get started in GNOME?



newcomer

Hi all:) I'm new to Gnome and I'd like to contribute to Gnome projects but I don't know where to start from, I know how to program in C, Python, Java, and C++ but I'm not very fluent in them (I'm still student), I checked the Gnome's getting started guide on the website and it's really good, but I feel like there a lot of things that I should have known before checking it, For example

I don't know how to write OOP in the C language and in the section of Building Application in the getting started guide most of the code I didn't understand what it does. So any help or guide would be really appreciated, I'm sorry if that was long. Thanks in advance

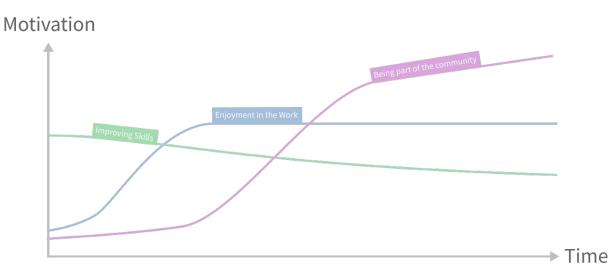
newcomer	hello gnome friends			
	i am new on gnome 3, but i am ready to growth in language and good programming practices there is someone online? hello again! hei?	new	comer Hi guys	
	hello! i want to elaborate a better gedit who is with me?	newcomer	Hey Been wanting to contribute for a while now and want to recommendations on a small/simple bug to start with?	o finally get started, any
newcomer	hello everyone , my name is mohit verma i am a new contributor and wanted to start to contribute to gnome	helper	newcomer i think the recommendation would be to pick an app from here, and then look at their newcomer bugs - https://wiki.gnome.org/Newcomers/ChooseProject	
		newcomer	Yeah I have looked through those but was just wonder preference etc	ng if there was any
newcomer	Btw i am a college student and an engineering student and i started to learn web design and development and soon i get into design and development with javascript i made several site with basics html css and javascript and now making with Jekyll, hugo etc static site developemnt		F	
	and i also had made a chatbot kindoff lol yeah it responds too!	newcomer	hello friends, i am new to the open source commun	ity, i know c and python please

help me find a project to which i can contribute. Thank u

What are newcomers looking for in GNOME?

Improving skills
Giving back
Being part of a community social motivation
Finding enjoyment in the work hedonic motivation

hello gnome friends
i am new on gnome 3, but i am ready to growth in language
and good programming practices



What challenges do newcomers face?

user Hi guys, I've downloaded GNOME Builder but it appears to be missing the run

icon... Any idea what I did wrong?

newcomer I am on Ubuntu Gnome 16.04. And Builder doesn't appear to

show as installed on either the GNOME or Ubuntu software centers. Should I uninstall it from flatpak then get it through

the software centers?

newcomer After uninstalling both Builder and flatpak I followed the

newcomer wiki and am having the same issue. Whenever I try to build a project it fails immediately with no build output. There is a tab along the top saying that I am missing flatpakbuilder, clicking install brings up a download tab saying

"Installing 1 package" but never changers

Issues in installation

Missing error handling Distro/Flatpak version conflicts

What challenges do newcomers face?

newcomer

Facing error while installing builder

error: While pulling runtime/org.gnome.Sdk/x86_64/3.24 from remote gnome:

Could not connect: Socket I/O timed out

newcomer

Hey everyone, I'm trying to hack on nautilus but when I put 'https://git.gnome.org/browse/nautilus' as the repository URL I get the error message 'Failed to resolve address for https: No address associated with hostname'. I can ping/wget the URL on a terminal and the address resolves in a web browser. Any idea what might be up?

Connectivity issues

Missing fallback behavior?

What challenges do newcomers face?

newcomer

ok thanks i will try that. sorry for the rather rude question. It is just very demotivating that after trying to contribute to project by creating patches for some bugs, none where actually looked at yet. I maybe am just used to different time frames for reactions on such things from the projects I contributed so far. but regardless I switched from trying to contribute to project to contribute to other project as it is listed as one of the newcomer projects.

newcomer

hello gnome friends
i am new on gnome 3, but i am ready to growth in language
and good programming practices
there is someone online? hello again!
hei?
hello!
i want to elaborate a better gedit
who is with me?

..lack of follow-up?



I know c programmming but don't know anything about qtk, gobject and vala. I want newcomer

to learn and contribute in nautilus project is it necessary to learn all these

technology before exploring nautilus project Please guide me.

newcomer: You will need to learn GTK+ and GObject at the minimum helper

newcomer: Since Nautilus uses both extensively

newcomer: In general, in order to contribute to GNOME, you'll have to learn GTK+

and GObject

helper: Thank you a lot for your quidance now I will learn these two technology newcomer

GTK+ and Gobject concepts

What happened afterwards?

Did you find the right information to learn about GTK+ and GObject?

Were the docs intimidating?

Did other things in your life pile up and take over?

Are you still excited to contribute to GNOME?

Learn about GTK+ GObject Concepts

About 393,000 results (0.81 seconds)

Including results for Learn about **GTK** GObject Concepts Search only for Learn about GTK+ GObject Concepts

Getting started with writing a GLib/GTK+ application in C - GNOME Wik https://wiki.gnome.org/SébastienWilmet/DevGettingStarted .

Aug 7, 2016 - The logical learning path is GLib -> GObject -> GIO -> GTK+. ... The important concepts of GLib/GObject is object-oriented programming, and ...

GObject: GObject Reference Manual - GNOME Developer Center

https://developer.gnome.org/gobject/unstable/gobject-The-Base-Object-Type.html ▼ For the high-level concepts behind GObject, read Instantiable classed types: Objects. from g_type_default_interface_ref(), or, if you know the interface has already ... The paramspecs are or by GLib, but the array should be freed with ...

Part I. Concepts: GObject Reference Manual

https://developer.gnome.org/gobject/stable/pt01.html >

Part I. Concepts. Table of Contents. Background · Data types and programming · Exporting a C Al The GLib Dynamic Type System ... The GObject base class.

[PDF] D GTK - DConf 2017

dconf.org/2017/talks/nunn.pdf >

GTK+, more than you ever wanted to know ... GIR files available in XML containing GOBject introspection information ... Built on concept of memory safety.

GObject Gtk, Gnome, Gtk+, Gl, Gtk2, Gtk3...l don't ... - Stack Overflow

https://stackoverflow.com/.../gobject-gtk-gnome-gtk-gl-gtk2-gtk3-i-dont-understand * Mar 12, 2012 - The short story: If you're programming for GTK 2, use pyGTK. If you're programmin Should I learn GObject and GLib to work with GTK? ... connections between the minimal polynomial and other concepts in linear algebra?

c - concept of gobject and how can we use it in gstresmer application ...

https://stackoverflow.com/.../concept-of-gobject-and-how-can-we-use-it-in-gstresmer-... • Feb 26, 2014 - When learning gstreamer , you may not need to know/ learn about GObject . In or In one basic line GObject, and its lower-level type system, GType, are used by GTK+ and most GNOME libraries to provide: object-oriented ...

CNOME Wikingdia

What challenges does newcomers face?

Lack of free time

Not knowing where to get help if something goes wrong.

Confidence in ability

Language barriers

Feeling welcome

Distractions

Issues in installation

Overwhelmed by options and not knowing where to start

Connectivity issues



How can we help newcomers overcome them?

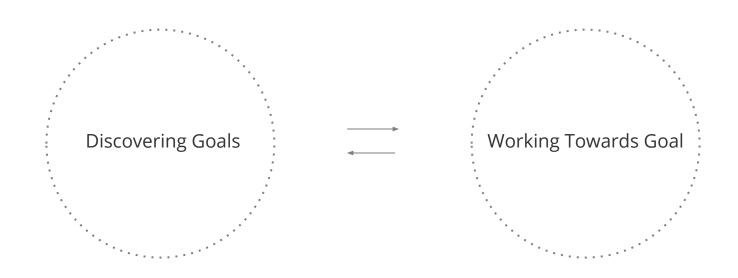
Our own challenges: Limited time, limited ressources

The guide is an efficient way to address the challenges through:

- Language
- Visuals
- Chat in #newcomers
- ..other ways?



Goal setting



Thank you!

wiki.gnome.org/Newcomers





Your input!

Using Flatpak and Builder for the newcomer experience

Newcomer's motivation for joining GNOME

Identification of newcomer challenges

Efficient means to help them

Facilitating Goal Setting

Applicability to other guides

Other newcomer discussion topics

