The GNOME™ Conference

GUADEC

GNOME Radio

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Section 1

GNOME Radio 16 on GNOME 42

GNOME Radio 16
National Public Radio broadcasts for GNOME 42

GNOME Radio 16 is available with Hawaii Public Radio (NPR) and 62 British Broadcasting Corporation (BBC) live audio broadcasts for GNOME 42.

The latest GNOME Radio 16.0.43 release during GUADEC 2022 (between July 20-25, 2022) features 200 international radio stations and 110 city map markers around the world, including National Public Radio, 62 BBC radio stations broadcasting live from United Kingdom and 4 SomaFM radio stations broadcasting live from San Francisco, California.

GNOME Internet Radio Locator 16 for GNOME 42 is a Free Software program that allows you to easily locate Free Internet Radio stations by broadcasters on the Internet with the help of map and text search.

GNOME Radio 16 for GNOME 42 is developed on the GNOME 42 desktop platform with GNOME Maps, GeoClue, libchamplain and geocode-lib and it requires at least GTK+ 3.0 and GStreamer 1.0 for audio playback.

GNOME Radio 16 for GNOME 42
National Public Radio (NPR) broadcasts on GNOME 42

GNOME Radio 16 for GNOME 42 is available with National Public Radio (NPR) live audio broadcasts.
GNOME Radio 16 is the successor to GNOME Internet Radio Locator built for GNOME 42 with Cairo, Clutter, Champlain, Maps, GStreamer, and GTK+.

Packaging

Fedora Core 36 software installation packages of GNOME Radio 16.0.43 for the computer hardware architecture x86_64 and Source are now available for download and installation with the package management and network installation system tools rpm and dhf.

Fedora Core 36 x86_64 RPM installation

 sudo dnf install `http://people.gnome.org/~ole/fedora/RPMS/x86_64/gnome-radio-16.0.43-1.fc36.x86_64.rpm`

Fedora Core 36 Source RPM Installation

- sudo dnf install gnome-common
- sudo dnf install intltool libtool gtk-doc geoclue2-devel yelp-tools
- sudo dnf install gstreamer1-plugins-bad-free-devel geocode-glib-devel
- sudo dnf install libchamplain-devel libchamplain-gtk libchamplain geoclue2
- sudo rpm -Uvh http://people.gnome.org/~ole/fedora/ SRPMS/gnome-radio-16.0.43-1.fc36.src.rpm
- sudo rpmbuild -ba /root/rpmbuild/SPECS/gnome-radio.spec
- sudo rpm -Uvh /root/rpmbuild/RPMS/*/gnome-radio-16.0.43*.rpm

Section 2

Compiling from Source

```
git clone https://gitlab.gnome.org/ole/gnome-radio.git
cd gnome-radio
./autogen.sh
./configure
make
sudo make install
gnome-internet-radio-locator
```

GNOME Radio 45
org.gnome.Radio

GNOME Radio 45 is available with British Broadcasting Corporation (BBC) World Service live audio broadcasts for GNOME 42.

The latest GNOME Radio 45 release during GUADEC 2022 (between July 20-25, 2022) features 1 international radio station from London, United Kingdom.

GNOME Radio 45 is developed on the GNOME 43 desktop platform with GNOME Maps, GeoClue, libchamplain and geocode-lib and it requires at least GTK4 and GStreamer 1.0 for audio playback.

```
static void activate(GtkApplication * app, gpointer
```
user$_d$ata)GtkWidget ∗ window; GstPlayer ∗ player; window = gtk$_a$pplicatio
```
int main(int argc, char **argv) GtkApplication *app; int status;
```
gst$_i$nit(argc, argv); gst$_i$nit(NULL, NULL);
app =
gtk$_a$pplication$_n$ew("org.gnome.Radio", G_APPLICATION$_F$LAGS$_N$ONE); g
g$_a$pplication$_r$un(G_APPLICATION(app), argc, argv); g$_o$bject$_u$nref(app);
```
return status; include <gst/player/player.h> include
<gtk/gtk.h>
static void activate(GtkApplication * app, gpointer
```
user$_d$ata)GtkWidget ∗ window; GstPlayer ∗ player; window = gtk$_a$pplicat
```
int main(int argc, char **argv) GtkApplication *app;
int status;
```
gst$_i$nit(argc, argv); gst$_i$nit(NULL, NULL);
```
app =
```
gtk$_a$pplication$_n$ew("org.gnome.Radio", G_APPLICATION$_F$LAGS$_N$ONE); a

Compiling GNOME Radio 45 in GNOME Builder
gnome-radio 45.0

GNOME Builder is a Graphical Development Tool released by Christian Hergert who presented it at GUADEC 2015. See https://wiki.gnome.org/Apps/Builder for details on how to install it. After you have installed GNOME Builder, you can clone the GNOME Radio 45 for GNOME 42 repository on Gitlab and built it.

- git clone https://gitlab.gnome.org/ole/gnome-radio
- cd gnome-radio
- meson build .
- cd build/
- sudo ninja install
- gnome-radio

Running GNOME Radio 45.0 on GNOME 42
gnome-radio 45.0 is available

Three options for running GNOME Radio 16 on GNOME 42 from GNOME Shell and GNOME Terminal:
1. Click on Activities and select the GNOME Radio icon.
2. Search for "gnome-radio" in the search box.
3. Type "`gnome-radio`" and hit Enter in GNOME Terminal if you are unable to find the Radio icon in GNOME 42 and GNOME Shell.