Subject: Gnome won't start TheIDE with double click
Posted by Zbych on Mon, 21 May 2018 19:21:00 GMT
View Forum Message <> Reply to Message

Hi,

Gnome in ubuntu 18.04 won't start theide binary with the double click. It just shows the message:

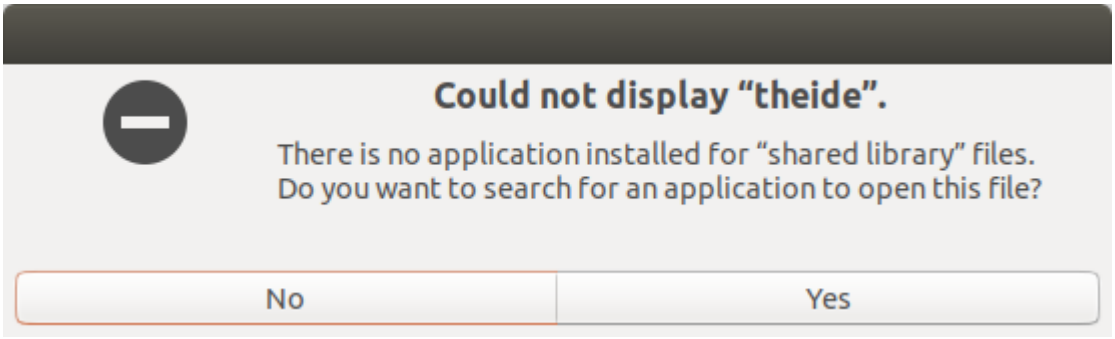
Can you copy theide.desktop file to the same location as theide binary in installation script to get rid of this message?

theide.desktop file:

[Desktop Entry]
Name=TheIDE
Exec=sh -c "$(dirname %k)/theide"
Type=Application
Terminal=false
Name[en_US]=theide

File Attachments

1) Screenshot from 2018-05-21 21-16-28.png, downloaded 1443 times



Subject: Re: Gnome won't start TheIDE with double click
Posted by Klugier on Wed, 20 Feb 2019 19:57:08 GMT
View Forum Message <> Reply to Message

Hello,

I think it is some kind of critical before release. We need to fix the installation on Ubuntu* like distrubtion such as Mint (I am currently using this distribution). What I have noticed is without appropriate .desktop file the application will not run. We need .desktop file preferable after "make

install" we should copy this file to "~/.loca/share/applications" folder. The file that I used is from TheIDE installation:

```
#!/usr/bin/env xdg-open
[Desktop Entry]
Encoding=UTF-8
Name=TheIDE
GenericName=TheIDE
Comment=IDE for cross-platform C++ development
MimeType=application/x-upp;
Exec=/home/klugier/upp/theide
Icon=/home/klugier/upp/TheIDE.png
Terminal=false
Type=Application
Categories=Development;IDE;
StartupNotify=false
```

What is wrong here is that we can not use directly "~" for home directory. We need to specify full path "/home/klugier". Moreover, we need to specify the path to icon to have one in search bar

I belive we need to do this before release.

Sincerely,
Klugier

Subject: Re: Gnome won't start TheIDE with double click
Posted by Zbych on Wed, 20 Feb 2019 20:33:03 GMT
View Forum Message <> Reply to Message

Klugier wrote on Wed, 20 February 2019 20:57
What is wrong here is that we can not use directly "~" for home directory. We need to specify full path "/home/klugier".

Why not use the trick with "sh -c" from my example? It shouldn't complain about '~', but it won't solve the problem with path to icon.
Or second solution is to generate the *.desktop content on the fly in makefile script.

Subject: Re: Gnome won't start TheIDE with double click
Posted by Klugier on Wed, 20 Feb 2019 20:37:12 GMT
View Forum Message <> Reply to Message

Hello,

I tested your solution, but it only works when you put .desktop file into the directory when TheIDE is stored. When you use it with "~/.local/share/applications" it doesn't work. We need more generic solution or we can generate the correct .desktop file on the file while executing "make install".

Sincerely,
Klugier

Subject: Re: Gnome won't start TheIDE with double click
Posted by pvictor on Thu, 21 Feb 2019 03:55:22 GMT
View Forum Message <> Reply to Message

GCC now by default compiles programs to shared object instead of executable, preventing GUI file managers from executing programs.

To disable it, use
make 'LINKOPTIONS=-no-pie'
when compiling TheIde

Also, add
COMMON_LINK = "-no-pie";
to GCC.bm

Subject: Re: Gnome won't start TheIDE with double click
Posted by amrein on Thu, 21 Feb 2019 18:31:29 GMT
View Forum Message <> Reply to Message

Hi

We have 3 options:

1. "make install" create theide.desktop and copy theide.png in ~/upp using full path (/home/user/upp/theide.desktop)

2. "make install" create theide.desktop and copy theide.png in ~/upp using full path (/home/user/upp/theide.desktop) and also use "xdg-desktop-menu install --mode user --novendor theide.desktop" to create a standard menu entry in "~/.local/share/applications" (xdg-desktop-menu is mandatory here). We will also need to provide an uninstall script to remove the xdg-desktop entry or at least, tell users to use "xdg-desktop-menu uninstall --mode user --novendor theide.desktop" if they want to clean their menu.

3. add "LINKOPTIONS=-no-pie" when using gcc as compiler in "domake" script to compiles programs as executable instead of position-independent executable.

The -pie option is mainly useful for security reasons. Microsoft does the same position-independent executable thing.

Subject: Re: Gnome won't start TheIDE with double click
Posted by amrein on Thu, 21 Feb 2019 19:00:57 GMT
View Forum Message <> Reply to Message

Option 4:

4. "make install" install binaries, desktop and license in /usr/local by default and the theide will use svn to checkout U++ sources and create ~/.upp at first start.

Buggy right now as theide doesn't use pkg-config to create working GCC.bm for other Linux distributions (or BSD like distributions) but only for Debian and its forks.

Subject: Re: Gnome won't start TheIDE with double click
Posted by Klugier on Thu, 21 Feb 2019 20:39:41 GMT
View Forum Message <> Reply to Message

Hello amrein,

It is realy nice to heare you!

Quote:
2. "make install" create theide.desktop and copy theide.png in ~/upp using full path (/home/user/upp/theide.desktop) and also use "xdg-desktop-menu install --mode user --novendor theide.desktop" to create a standard menu entry in "~/.local/share/applications" (xdg-desktop-menu is mandatory here). We will also need to provide an uninstall script to remove the xdg-desktop entry or at least, tell users to use "xdg-desktop-menu uninstall --mode user --novendor theide.desktop" if they want to clean their menu.

3. add "LINKOPTIONS=-no-pie" when using gcc as compiler in "domake" script to compiles programs as executable instead of position-independent executable.

I think the best options for us is to implement both options. The point number two is obvious installation improvement - the application is visible in user application stack and it is easy accessible to him. I agree we should deliver "make uninstall". If uninstall operation will be time consuming we should initialy implement only the first step. Anyway, how wants to remove upp after installation

The third option for me seems like a think that we can implement alongside the second option. If it doesn't break anything and fix some problems (not all). This scenario is not presented on my current distribution (Linux Mint 19.1 since two days) and on my past (KDE based).

Sincerely,
Klugier

Subject: Re: Gnome won't start TheIDE with double click
Posted by amrein on Fri, 22 Feb 2019 17:04:15 GMT
View Forum Message <> Reply to Message

[DONE] - Option 2.
[W.I.P] - Option 3.

I'm not sure that option 3 is a good idea. With option 2 you can run theide from the menu, start theide using theide.desktop in ~/upp or start theide in command line. You keep the distribution security compilation strategy intact.
If we still want to apply this solution, please apply the attached patch like this:

cd trunk
patch -p0 < ../add_LINKOPTIONS.patch

File Attachments

1) add_LINKOPTIONS.patch, downloaded 462 times

Subject: Re: Gnome won't start TheIDE with double click
Posted by Klugier on Sun, 24 Feb 2019 20:20:24 GMT
View Forum Message <> Reply to Message

Hello Amrein,

FYI, If you are not sure, I decided to not apply this change. If anyone has different opinion on that topic - please let me know.

Sincerely,
Klugier

Subject: Re: Gnome won't start TheIDE with double click

Posted by mirek on Mon, 25 Feb 2019 08:21:02 GMT
View Forum Message <> Reply to Message

Should we add -no-pie to theide builders or something?

Subject: Re: Gnome won't start TheIDE with double click
Posted by amrein on Mon, 25 Feb 2019 10:13:37 GMT
View Forum Message <> Reply to Message

I agree with Klugier. I think it's better not to apply the "LINKOPTIONS=-no-pie" patch.

Subject: Re: Gnome won't start TheIDE with double click
Posted by Klugier on Sat, 16 Mar 2019 12:06:13 GMT
View Forum Message <> Reply to Message

Hello,

To sum everything works as expected - the installation process is required to launch TheIDE on some distribution. So if you encounter that problem it means that you need to execute following command:

make install

Then TheIDE is installed for the local user and it is listed in your system application menu. So, you can freely launched it from "Start" menu. No need to launch it from file manager.

_____
amrein - sorry for the chaos I made in this topic. I just didn't know what exactly "make install" command do. Literally speaking - we do not need to do anything in installation area. Thanks for the help!

Sincerely,
Klugier

Subject: Re: Gnome won't start TheIDE with double click
Posted by amrein on Sun, 17 Mar 2019 07:58:44 GMT
View Forum Message <> Reply to Message

It's cool. 2019.1 should be a great release.

Subject: Re: Gnome won't start TheIDE with double click
Posted by omari on Sat, 02 May 2020 18:53:24 GMT
View Forum Message <> Reply to Message

theide.desktop creation fail when ~/.local/share/applications is absent.

~/.local/share/applications should created first if it not exists.

Subject: Re: Gnome won't start TheIDE with double click
Posted by mirek on Sun, 03 May 2020 07:47:21 GMT
View Forum Message <> Reply to Message

omari wrote on Sat, 02 May 2020 20:53 theide.desktop creation fail when ~/.local/share/applications is absent.

~/.local/share/applications should created first if it not exists.

Good catch, thanks. Now it does (trunk).

Mirek