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The following two installation processes were captured as we proceeded down the learning curve to discover alternate workarounds.

WARNING: The following content is an edited versions of our notes collected while we slogged down the learning curve after abandoning AppImage Launcher and other bits of hopeful assistance grubbed from the Internet Ubuntu and FreeCAD community.

If we missed something please let us know in a helpful manner (luzzo@abbottanp.com)

We make no promise that it will work for you. But we know

1> That we have two copies of FreeCAD 1.0.0 running under Ubuntu 22.04 that are launched from the FreeCAD 1.0.0 entry in the Applications Menu maintained through alacarte.

2> That we can invoke a pristine FreeCAD 1.0.0 snap should we ever need to start completely from scratch

Terms Used

FC1.0.0* or just

FC1.0.0: A shorthand truncation of FreeCAD_1.0.0-conda-Linux-x86_64-py311.AppImage.

FC0.21.2: A shorthand truncation for FreeCAD version 0.21.2

\$ or \$\$: Command line prompt

Before beginning either of these two installation processes:

Clonezilla a backup image of your primary drive

Then remove the AppImage Launcher

\$ sudo apt remove appimagelauncher

1> Using a derived appimage from appimage2deb and "7zip" for Ubuntu 64BIT

1.1> Download the FC1.0.0*.AppImage from FreeCAD.org for Linux and place copies in two of your home folder.

1.2> Install "appimage2deb" from its Ubuntu Software page.

1.2.1> Create a "deb" version of the FC1.0.0*.AppImage. Note error reports that may appear.

1.2.2> Extract the FC1.0.0*.deb files.

\$\$ sudo dpkg -i FC1.0.0*.deb ==> Content will appear in the /opt/FC1.0.0*.appimage folder as a FC1.0.0 appimage. Insure to the executable bit is set to "x".

1.3> Find and download

Download .tar.xz 64-bit Linux x86-64

<https://7-zip.org/download.html>

1.3.1> In the second folder extract the contents of the FC.1.0.0*.Appimage using an executable version of 7zip.

```
$ sudo ~/bin/zip/7zz x FreeCAD_1.0.0
```

1.4 > Using alacarte enter the Applications Menu.

See <https://en.ubunlog.com/alacarte-edit-create-delete-application-shortcuts/>

See <https://askubuntu.com/questions/16825/how-can-i-add-and-change-items-in-my-applications-menu>

1.4.1> From a "Category" such as Engineering or Graphic select to create a new launch item.

1.4.2> For name use your choice for FC1.0.0*.AppImage

1.4.3> For command "Browse" to the /opt/FC1.0.0*/FC1.0.0.appimage executable (verify the "x" status)

1.4.4> Add an appropriate comment.

1.4.5> Verify that the Item input window closes and then move the FC1.0.0 item within the "Category" to the appropriate slot up/down.

1.5> Launch the FC1.0.0*.appimage from it's Category/slot in the Application Menu

1.6> This is the preferred approach since the FC1.0.0*.appimage properly acquired all of the macros, mods, projects, and settings from the older version of prior FC021.2. <<The snap pathway given further below was absolutely fresh and carried nothing forward from older FC versions>>

2>Directly from the Snap Store:

If you have installed FreeCAD 1.0.0. (snap version) from the Ubuntu Software page, test it.

```
$$ snap run freecad <<verify FC version 1.0.0>>
```

if it does not run delete it from the Ubuntu Software page.

Then try to directly acquire it from the snap store. See https://wiki.freecad.org/Ubuntu_Snap

```
$$ sudo snap install freecad
```

```
if nogo
```

```
$$ sudo snap refresh freecad
```

```
if nogo
```

```
$$ sudo snap refresh freecad --revision=1.0.0 \
```

```
verify working snap application
```

```
$$ snap run freecad
```