

GNU/Linux Administration - Support #835

Install Fritzing From Source on Arch Linux

07/29/2016 02:35 PM - Daniel Curtis

Status:	Closed	Start date:	07/29/2016
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:	Workstation	Estimated time:	1.00 hour
Target version:	Arch Linux	Spent time:	1.50 hour

Description

This is a guide to install Fritzing from source on Arch Linux. Yes, there is a package in the AUR; however, I need to compile the eagle2fritzing tool and that requires a copy of the source code for Fritzing.

Prepare the Environment

- Make sure the system is up to date:

```
sudo pacman -Syu
```

Install Fritzing

- Install a few build dependencies:

```
sudo pacman -S qtcreator jdk8-openjdk libgit2 python2 qt5-serialport qt5-svg shared-mime-info boost
```

- Make a working directory and switch to it:

```
mkdir -p ~/git/fritzing && cd ~/git/fritzing
```

- Clone the Fritzing app repo from GitHub:

```
git clone https://github.com/fritzing/fritzing-app.git
```

- Clone the Fritzing parts repo from GitHub inside the fritzing-app:

```
cd fritzing-app
git clone https://github.com/fritzing/fritzing-parts.git parts
cd ..
```

- Compile fritzing:

```
cd fritzing-app
qmake
make
```

- And install

```
sudo make install
```

- Package fritzing:

```
cd ..  
fritzing-app/tools/linux_release_script/release.sh 0.9.3b
```

eagle2fritzing

- Switch to the fritzing working directory:

```
cd ~/git/fritzing
```

- Clone the eagle2fritzing repo from GitHub:

```
git clone https://github.com/fritzing/eagle2fritzing.git
```

- Switch to the lbr2svg directory:

```
cd eagle2fritzing/lbr2svg
```

- Compile the lbr2svg tool:

```
qmake  
make
```

- Run the tool:

```
./lbr2svg -w ~/.eagle/lbr -p ~/git/fritzing/fritzing-app/parts -c user
```

- Switch to the brd2svg directory:

```
cd ../brd2svg
```

- Compile the brd2svg tool:

```
qmake  
make
```

- Run the tool:

```
./brd2svg
```

Resources

- <https://github.com/fritzing/fritzing-app/wiki/1.-Building-Fritzing>
- <https://github.com/fritzing/eagle2fritzing>
- <https://aur.archlinux.org/packages/fritzing/>

History

#1 - 07/29/2016 03:16 PM - Daniel Curtis

- Description updated

- Status changed from New to In Progress

- % Done changed from 0 to 50

#2 - 07/29/2016 04:14 PM - Daniel Curtis

- Description updated

- Status changed from In Progress to Resolved

- % Done changed from 50 to 100

#3 - 08/05/2016 08:59 PM - Daniel Curtis

- Status changed from Resolved to Closed