

Raspberry Pi - Support #934

Install Widevine on Arch Linux ARM

04/19/2018 09:36 PM - Daniel Curtis

Status:	Rejected	Start date:	04/19/2018
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	0%
Category:	Media Server	Estimated time:	1.50 hour
Target version:	Arch Linux	Spent time:	0.00 hour

Description

This is a guide for installing widevine on Arch Linux ARM to watch netflix on Chromium.

Prepare the Environment

- Make sure the system is up to date:

```
sudo pacman -Syu
```

- Install multipath-tools:

```
sudo yaourt multipath-tools
```

Install Widevine

- Download and unzip the following chromeos recovery image:

```
wget https://dl.google.com/dl/edgedl/chromeos/recovery/chromeos_7077.134.0_daisy-skate_recover  
y_stable-channel_skate-mp.bin.zip  
unzip chromeos*.zip
```

- Access to the files stored on that ChromeOS image:

```
sudo kpartx -avs chromeos*.bin
```

- *Example output*

```
add map loop0p1 (254:1): 0 28672 linear 7:0 2928640  
add map loop0p2 (254:2): 0 32768 linear 7:0 20480  
add map loop0p3 (254:3): 0 2641920 linear 7:0 286720  
add map loop0p4 (254:4): 0 32768 linear 7:0 53248  
add map loop0p5 (254:5): 0 4096 linear 7:0 282624  
add map loop0p6 (254:6): 0 1 linear 7:0 16448  
add map loop0p7 (254:7): 0 1 linear 7:0 16449  
add map loop0p8 (254:8): 0 32768 linear 7:0 86016  
add map loop0p9 (254:9): 0 1 linear 7:0 16450  
add map loop0p10 (254:10): 0 1 linear 7:0 16451  
add map loop0p11 (254:11): 0 16384 linear 7:0 64  
add map loop0p12 (254:12): 0 32768 linear 7:0 249856
```

- We're interested in the one ending in **p3**, which will now exist at `/dev/mapper/loop0p3`. Now mount it:

```
sudo mkdir -p /tmp/chromeos
sudo mount -t ext2 /dev/mapper/loop0p3 -o ro /tmp/chromeos/
```

- Now move into the root of that partition and search for the widevine plugins:

```
cd /tmp/chromeos/
find . -type f -name "libwidevine*"
```

- *Example output*

```
./opt/google/chrome/libwidevinecdm.so
./opt/google/chrome/libwidevinecdmadapter.so
```

The two files you want are named **libwidevinecdm.so** and **libwidevinecdmadapter.so** (ignore any "Permission denied" errors).

```
sudo cp ./opt/google/chrome/libwidevine*.so /usr/lib/chromium/
```

Tricking Netflix

- Once Chromium is loaded up, install the "User Agent Switcher" extension from the Play Store, then add the following user agent as "Chrome":

```
Mozilla/5.0 (X11; CrOS armv7l 6946.63.0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/47.0.2526.106 Safari/537.36
```

- In the "User Agent Switcher" tool, set that as a permanent override for netflix.com.

Resources

- <https://gist.github.com/jesstelford/eded5fe8c2611f332648>

History

#1 - 02/09/2022 09:37 AM - Daniel Curtis

- Status changed from New to Rejected