

Install Chromium on Debian (PowerPC)

06/17/2016 03:13 PM - Daniel Curtis

Status:	Suspended	Start date:	06/17/2016
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	50%
Category:	Workstation	Estimated time:	0.50 hour
Target version:	Debian	Spent time:	1.00 hour

Description

While repurposing an old G5 I had laying around, I decided to put Debian 8 on it. When I went to install Chromium I found that it is not in the package repository.

Luckily the package can still be built from source using apt-get.

- Install git:

```
apt-get install git
```

Install depot_tools

- Make a temporary bin directory:

```
mkdir ~/bin && cd ~/bin
```

- Fetch depot_tools:

```
git clone https://chromium.googlesource.com/chromium/tools/depot_tools.git
```

- Add depot_tools to your PATH:

```
export PATH=`pwd`/depot_tools:$PATH
```

Build V8

- Create a git directory:

```
mkdir ~/git && cd ~/git
```

- Clone the v8ppc code:

```
git clone https://github.com/ibmruntimes/v8ppc.git
```

Build Chromium

- Build Chromium from source using apt-get:

```
apt-get build-dep chromium
```

```
apt-get source chromium
```

NOTE: Chromium currently will not build on PowerPC due to lack of support for the V8 javascript engine. There appears to be a port of V8 to PowerPC, but I haven't yet tested it.

Resources

- <https://wp.colliertech.org/cj/?p=1342>
- <https://github.com/ibmruntimes/v8ppc>
- <https://lists.debian.org/debian-powerpc/2015/09/msg00014.html>
- <http://www.chromium.org/developers/how-tos/install-depot-tools>

History

#1 - 06/17/2016 03:43 PM - Daniel Curtis

- Tracker changed from Support to Feature
- Description updated
- Status changed from New to In Progress
- % Done changed from 0 to 50

#2 - 06/17/2016 04:02 PM - Daniel Curtis

- Description updated
- Status changed from In Progress to Suspended

#3 - 06/17/2016 04:28 PM - Daniel Curtis

- Description updated