**Introduction**

**Testing Environment: Deepin v2014.2,64bit; Crosswalk v11; Chrome v39.**

There are 23 tested apps. All of these apps share a same structure when they are installed, and there are 5 parts in detail(P for Part):

P1:/usr/share/deepin-webapps/appname.html

P2:/usr/share/applications/appname.desktop

P3:/usr/share/doc/appname/copyright

P4:/usr/share/doc/appname/changelog.gz

P5:/usr/share/icons/hiclor/size/apps/appname.png

**The way webapps launch:**

All apps have their own icon, which is provided by P5, and the .desktop(P2) file specify the exact way to launch them. The way of launching these apps is all designed like below:

google-chrome --app=file://P1?url=http://webappaddr&param1&param2. The app is launched by chrome with --app=file://filename. P1 is a html file for designing a window by parasing the parameters appended at the end of URL. There are two parameters in the end of url, which is for specifying the height and width of a window, and the location of window is also specified by these two parameters with a little calculation.

Crosswalk is built from source code and installed in system. There is just a single mode for launching apps in Crosswalk: xwalk [http://webappaddr](http://webappaddr/). It means that there is no parameter-specified way (such as xwalk --app=file://localfiles.) for Crosswalk to launch apps, and neither a way to start a initial window by assigning parameters (such as parameters in url mentioned in section 1).We can add parameters (e.g.,&heigh=num1&width=num2) at the end of the url,but they won’t work. The path of installed Crosswalk is /usr/bin/xwalk. Modifying the entry Exec of apps’ .desktop file to Exec=./usr/bin/xwalk [http://webappaddr](http://webappaddr/) and then launching the app by clicking icon in the launcher function as well as launching it in command line.

**Testing Result**

In summary, all apps except deepin-webapps-xiami-music launched by the default way work well, i.e., almost all apps function properly in chrome. It seems that xiami doesn’t provide service for oversea IP.

While in Crosswalk,there are two apps named deepin-webapps-12306 and deepin-webapps-xiami-music that can’t load after a long time(>20 minutes), and an error message “couldn’t load plug-in” occurs when launch the other two apps named deepin-webapps-cargo-bridge

and deepin-webapps-kugou-music. Details in Crosswalk are shown in the table below.

|  |  |  |
| --- | --- | --- |
| App name | Test Result | Way of launching |
| deepin-webapps-12306 | Can’t load | xwalk <https://kyfw.12306.cn/otn> |
| deepin-webapps-baidu-hi | Works | xwalk [http://web.im.baidu.com](http://web.im.baidu.com/) |
| deepin-webapps-baidu-map | Works | xwalk [http://map.baidu.com](http://map.baidu.com/) |
| deepin-webapps-baidu-music | Works | xwalk [http://fm.baidu.com](http://fm.baidu.com/) |
| deepin-webapps-baidu-online-storage | Works | xwalk [http://pan.baidu.com](http://pan.baidu.com/) |
| deepin-webapps-cargo-bridge | Couldn’t load plug-in | xwalk <http://webstore.limexgames.net/ag_cargo_bridge/index.html> |
| deepin-webapps-chainrxn | Works | xwalk http://www.yvoschaap.com/chainrxn/ |
| deepin-webapps-dbank-online-storage | Works | xwalk [http://ww.dbank.com](http://ww.dbank.com/) |
| deepin-webapps-doit-im | Works | xwalk [http://doit.im](http://doit.im/) |
| deepin-webapps-douban | Works | xwalk [http://douban.fm](http://douban.fm/) |
| deepin-webapps-fetion | Works | xwalk [https://webim.feixin.10086.cn](https://webim.feixin.10086.cn/) |
| deepin-webapps-kingsoft-fast-docs | Works | xwalk [http://w.wps.cn](http://w.wps.cn/) |
| deepin-webapps-kingsoft-online-storage | Works | xwalk [http://www.kuaipan.cn](http://www.kuaipan.cn/) |
| deepin-webapps-kugou-music | Couldn’t load plug-in | xwalk [http://web.kugou.com](http://web.kugou.com/) |
| deepin-webapps-kuwo-music | Works | xwalk <http://player.kuwo.cn/webmusic/play> |
| deepin-webapps-microsoft-skydrive | Works | xwalk [https://skydrive.live.com](https://skydrive.live.com/) |
| deepin-webapps-paulrouget | Works | xwalk <https://developer.cdn.mozilla.net/media/uploads/demos/p/a/paulrouget/47e916de488e745f95aee0bc32d5fd32/runfield_1327576901_demo_package/index.html> |
| deepin-webapps-pirateslovedaisies | Works | xwalk [http://www.pirateslovedaisies.com](http://www.pirateslovedaisies.com/) |
| deepin-webapps-sina-weibo | Works | xwalk [http://weibo.com](http://weibo.com/) |
| deepin-webapps-towerim | Works | xwalk [http://tower.im](http://tower.im/) |
| deepin-webapps-ttpod | Works | xwalk [http://www.dongting.com](http://www.dongting.com/) |
| deepin-webapps-xiami-music | Can’t load | xwalk <http://www.xiami.com/app/webmusic/index> |
| deepin-webapps-youdao-note | Works | xwalk [http://note.youdao.com](http://note.youdao.com/) |

Comments:

1.When try to launch deepin-webapps-kugou-music, an error occurs in terminal:

”Uncaught SyntaxError:unexpected token <”,

source:http://zhushou.360.cn/script/360mobilemgrdownload.js(1)

”Uncaught SyntaxError:unexpected token <”, source:http://js.tongji.linezing.com/2626532/tongji.js?d=1421718517702(1).

When try to find out what the function of these two js file ,it is been blocked as Intel security policy,so it remains dimness.

2.There is no error message when load deepin-webapps-cargo-bridge.It requires a flash in the index file, and when execute xwalk http://flashaddr, the window can’t load the flash.

3. When try to launch deepin-webapps-12306 ,window of the app shows no signal after a long time waiting. The transportation protocol is https here ,and it requires certificate verifying when load the window.