Firefox

The intent is to track dependencies and patches required to build Firefox on OpenIndiana.

Mozilla Firefox is a free, open-source and cross-platform web browser for Windows, Linux, MacOS X and many other operating systems.

It is fast and easy to use, and offers many advantages over other web browsers, such as tabbed browsing and the ability to block pop-up windows.

Firefox also offers excellent bookmark and history management, and it can be extended by developers using industry standards such as XML, CSS, JavaScript, C++, etc. Many extensions are available

Notes

- Current packaged version provided by OI hipster project is Firefox ESR 52.7.2.

Known issues

Flash plugin

See notes about Flash 10.2/10.3/11.2 plugins with newer Firefox builds.

- Andrey Sokolov contributed a patch for legacy Flash 10/11.2 players to work with Firefox 37 and higher.
- You can use the Mozilla Shumway HTML5 extension to test all Flash/SWF/SVG/WebGL/HTML5 websites.

High CPU load

Firefox and Thunderbird may show high CPU load and become sluggish.

This is related to frequent calls to pollsys, one workaround is to set the property `layout.frame_rate` to a lower value than the default 60 (-1).

A value of `24` seems to provided a decent balance.

Dependencies

Based on Hipster (20171031)

Component	Hipster	Firefox ESR 52.7.3	Comment
libjson-c	0.12		
pulseaudio	6.0		Tested with PulseAudio 10.0
SQLite	3.8.11.1		**Tested up to FF 59.0.2** (kmays)
autoconf	2.69		
python	2.7.13		

Notes:

For oi-hipster Firefox 43.x and higher, test your plugins in:

`usr/lib/firefox/browser/plugins`

`Use 'about:config' and 'about:plugins' and 'about:addons' to review status and resolve config issues.`

For Flash :

`libflashplayer.so - 11.2.202.223 (32-bit)`

`I removed $HOME/.mozilla/firefox/ecr2gste/pluginreg.dat then I created the directory plugins and copied libflashplayer.so into plugins.`

I also changed the permissions on the plugin (0555).

Test Flash:

http://www.adobe.com/software/flash/about/

Provided by cpforum at orange.fr for Firefox ESR 38.2.1 testing:

- First OpenJDK hipster Plugin is OK. You just have to do the following link

cd .mozilla/plugins
ln -s /usr/lib/IcedTeaPlugin.so IcedTeaPlugin.so

and you have a working Java Plugin. Need to have :
runtime/java/openjdk7
web/browser/firefox/plugin/firefox-java

- Second add Shumway (Flash) extension. Shumway now works with some sites and no longer need to install and old flash player.
(If you have uninstall it or disable it).

Shumway run the : http://revaweb.com/test_flash.html

It also works with most of files with .swf extension from : http://www.swishzone.com/max_swi/

Adobe test fail, but if you open the .swf (have to view source of the page), Adobe test are working.

- Last, test your HTML5 score (max score is: 555) with Firefox here : http://html5test.com/

- 59.0.2 score: 491
- 55.0.3 score: 478
- 45.9.0 ESR score: 404 (Note: OI-MATE 2017.04)