

Extensions on Android

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Current

- Not support Extensions on Android / iOS
- Not support Extensions on Embedders that do not use `//chrome` layer like CEF



How interested?

issues.chromium.org/issues/40150046

Chromium

status:open componentid:1456110

Chromium > Platform > Extensions 40150046

Commenting [Android] Add support for Chrome Extensions/Apps +1 1247 Hotlists (5)

Comments (99+) Dependencies (0) Duplicates Blocking (0) Resources (0)

Assigned Feature Request P2 + Add Hotlist

STATUS UPDATE No update yet. Edit

DESCRIPTION Edit adman.com@gmail.com created issue #1 Feb 8, 2012 07:57AM

Chrome Version : 16.0.912.75 / Chrome Beta 0.16.4130.199
URLs (if applicable) : <http://dl.dropbox.com/u/4140005/getstarted.crx> (packaged get started sample crx)
<https://chrome.google.com/webstore> (Chrome Web Store listed as unavailable for operating system)
OS version : 4.0.2 (ICL53F Galaxy Nexus)
Behavior in Android Browser (if applicable): n/a

Chrome extensions are not recognised by Android and are not handled with Chrome Beta for Android, and are left within the Downloads folder.

Reporter
Type
Priority
Severity
Status
Story points
Access
Expanded Acc

captured on 14.Mar



How interested?

<input type="checkbox"/>	P ▼	TYPE ▼	TITLE ▼	↓ 7D VIEWS ▼
<input type="checkbox"/>	☆ P1	Bug	Extension is turned off after <code>chrome.runtime.reload()</code>	76
<input type="checkbox"/>	★ P2	Feature Request	[Android] Add support for Chrome Extensions/Apps	65
<input type="checkbox"/>	☆ P2	Bug	documentLifecycle active instead of prerender	30
<input type="checkbox"/>	☆ P2	Bug	declarativeNetRequest redirects throw the "net::ERR_UNSAFE_...	22
<input type="checkbox"/>	☆ P1	Bug	Service worker fails to register on first launch of new profile	20

sorted on 14.Mar



Enable Extensions on Android

- Added `enable_extensions = true` to gn
- Defined/Added a new build flag, `enable_extensions_for_android = true` to gn
- Fixed build/linking errors
- Landed some build errors to upstream
- Added some dummy implementation for Android port
- Fixed the crash issue caused by the difference of the sequence of startup



What is able to

- Install/Uninstall Extensions apps
- Parse Extensions apps manifest
- Execute content script / background script
- APIs : alarm, declarative*, dom, events, i18n, idle, runtime, storage...



What is ***NOT*** able to (yet)..

- chrome://extensions
- Web Store & Update
- APIs : bookmarks, contentSettings, downloads, debugger, *Capture, gcm, permission, sidePanel, tab*, windows....
- Theme, Toolbar, Bubble UI, Dialogs, Built-in Extensions



Then,

- Run light extension apps like google docs offline 🎉



However,

- Touched too many files & Increased the cost of rebase
- Can not reuse for other Embedders that do not use //chrome layer



Idea,

- Have `//components/extensions`
 - Most of them will use the codes from `//chrome/browser/extensions`
 - break down into common part, delegate part, specific part for UI, etc..
- Flexibility for Embedder
- Reduce the conflicting when rebasing



Thanks



