The Jetpack SDK

Firefox Extensions Evolved

Brian King
LinuxTag, 12.6.2010, Berlin
The Future of Extensions is Here
Hackability

Generative Web

Generative Browser

Read more: Tristan Nitot, Mozilla Europe

http://www.slideshare.net/nitot/hackability-what-it-means-why-its-important
Why Add-ons?

- Core to the Mozilla mission of “choice & innovation”
- Huge momentum versus other browsers.
- Customization is one of the key differentiators for Firefox and helps users feel like Firefox is “mine”
- Innovation incubator
- 1st class deployment infrastructure at Mozilla Add-ons (AMO)
Jetpack Principles

- Web-Based: Attractive to Web Developers
- More secure
- Remixable
- Robust - Versioned API
- No restart / Silent updates
What is the Jetpack SDK?

- An *extensible library* of capabilities and APIs for writing Firefox add-ons, as well as stand-alone web-technology based applications.
- A set of command-line tools that package and security-harden your code into distributable packages.
Security / Stability

Stronger sandboxed security model

- Keep users safer + notifications for accessing data
- Better stability and memory management (moving towards out-of-process extensions)
## Core Modules

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<tr>
<th>#</th>
<th>Title</th>
<th>Owner</th>
<th>Status</th>
<th>Version</th>
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More at: [https://wiki.mozilla.org/Labs/Jetpack/JEP#Proposals](https://wiki.mozilla.org/Labs/Jetpack/JEP#Proposals)
NOT MUCH TO HANG ON TO
Single UI Element

Launch Point

**JEP 102**

**Bug 543585**

```javascript
widget.add(widget.Widget({ label: "my widget", content: "\[http://site/location.gif\]", onClick: function() {...} });
```

The user can move the icon to the main toolbar...

...or the top of the window...

...and the icon changes appearance to fit in where it's placed.
Panels

A rich content panel that floats above the browser window.

**JEP 103**

**Bug 494238**
FlightDeck

The Add-ons Builder will enable the community to rapidly, collaboratively develop both extensions.
DEMO TIME
## Roadmap

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More at: [https://wiki.mozilla.org/Labs/Jetpack/Roadmap](https://wiki.mozilla.org/Labs/Jetpack/Roadmap)
Resources

FAQ: https://jetpack.mozillalabs.com/faq.html
Docs: https://jetpack.mozillalabs.com/sdk/latest/docs/
Discussion Group: http://groups.google.com/group/mozilla-labs-jetpack
Source Code: http://hg.mozilla.org/labs/jetpack-sdk/
Blog Posts:
http://ehsanakhgari.org/blog/2010-05-31/my-experience-jetpack-sdk
http://mozillalabs.com/jetpack
Thanks!

Get in touch

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