

The background features a light blue and white illustration of a clock and several interlocking gears. The clock is positioned in the upper right, and the gears are scattered around it, creating a mechanical theme.

# Firefox 4 for Add-on Developers

Jorge Villalobos  
Mozilla

# Firefox 4

- Beta 1 is almost ready.
- Final release probably this year.
- Some new features and breaking changes for add-on developers.
- Main article: [https://developer.mozilla.org/en/Firefox\\_4\\_for\\_developers](https://developer.mozilla.org/en/Firefox_4_for_developers)

# Extension Manager

- nsIExtension Manager is replaced by Addon Manager JSM.
- Asynchronous API.
- FUEL API is also different.
- High impact. Many add-ons rely on these interfaces and the change will be difficult.

# XPCOM Registration

- XPCOM changes in Gecko 2.
- Registration will be declared in chrome.manifest.
- Startup notifications: ~~xpcom-startup~~, ~~app-startup~~ and profile-after-change.
- High impact as well.

# tabbrowser

- TabClose, TabSelect, TabOpen events no longer bubble up to the tabbrowser element (gBrowser).
- Event listeners for those events should be added to gBrowser.tabContainer rather than to gBrowser directly.
- Medium impact.

# Remote XUL

- Remote XUL support will be removed completely.
- Insecure, crashy.
- Not an open web technology.
- Very low impact for add-on developers.

# Theme and UI changes

- Work in progress, still missing lots of info.
- [https://wiki.mozilla.org/Firefox/Projects/UX\\_Priorities\\_3.7](https://wiki.mozilla.org/Firefox/Projects/UX_Priorities_3.7).
- Tabs on top by default. Should all toolbars be at the bottom?
- Home tab and app tabs.
- App menu. What does this mean for Mac OS?

# Theme and UI changes, 2

- Add-on Manager redesign. Tab, more space.
- Removing the statusbar? Part 1, 2, 3.

# New stuff

- HTML5
- CSS transitions, WebGL, SMIL animation.
- WebM video.
- Services.jsm.
- JS-ctypes API.
- ChromeWorker.
- Load code modules from JAR files and chrome URLs.

# Thanks!

- Visit regularly: [https://developer.mozilla.org/en/Firefox\\_4\\_for\\_developers](https://developer.mozilla.org/en/Firefox_4_for_developers)
- [jorge@mozilla.com](mailto:jorge@mozilla.com)