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Firefox Extensions entwickeln



Agenda

- Basics
- Entwicklungsumgebung
- „Hello World“ Extension
- XPCOM
- Packaging
- Fazit



Basics

- Struktur » XUL (XML)
- Verhalten » JavaScript / DOM
- Aussehen » CSS
- Inhalt » DTD

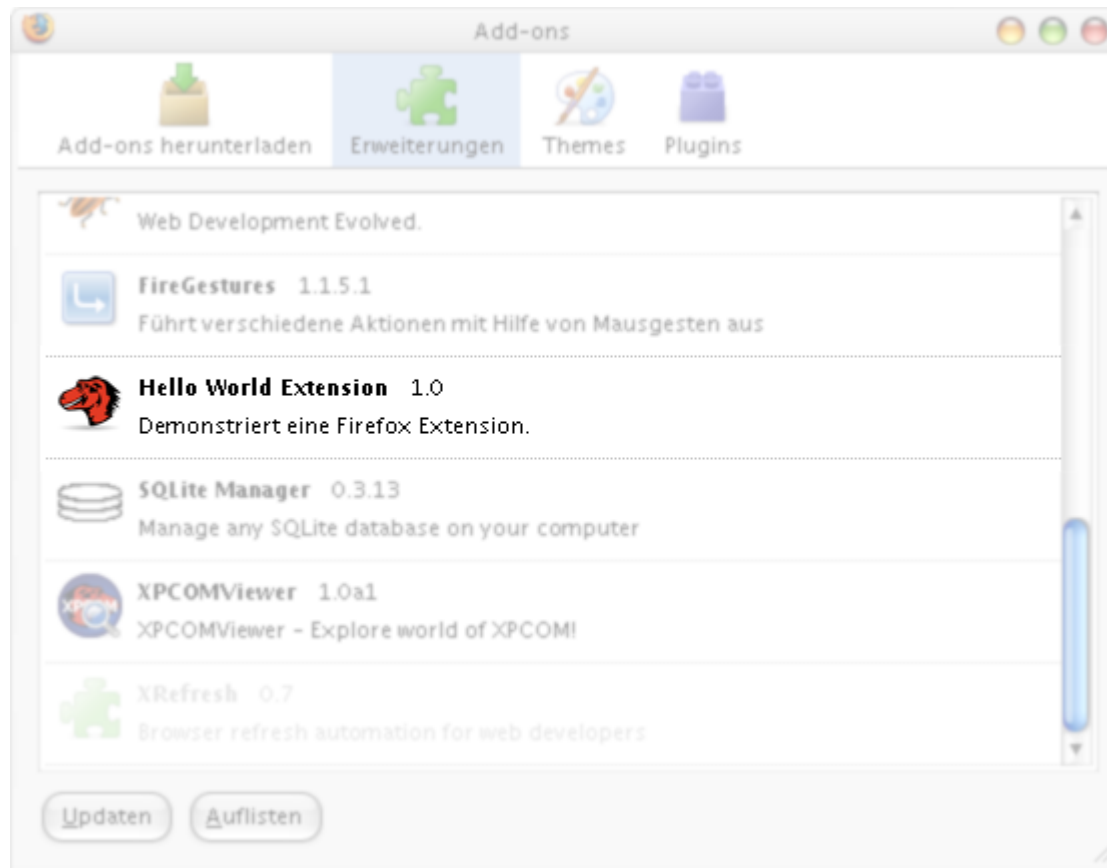


Entwicklungsumgebung

- Firefox
- Texteditor
- Zip Tool
- Neues Profil
- Development Preferences
- Entwickler Extensions
- Benutzerdef. Verzeichnis
- Verzeichnisse statt JARs



„Hello World“ Extension



„Hello World“ Extension

```
helloworld/  
|-- install.rdf  
|-- chrome.manifest  
`-- chrome/  
    |-- content/  
        |-- helloworld.xul  
        `-- helloworld.js  
    |-- skin/  
        `-- helloworld.css  
    `-- locale/  
        `-- de-DE/  
            `-- helloworld.dtd
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„Hello World“ Extension

helloworld/

| -- install.rdf

→ Metadaten

| -- chrome.manifest

→ Chrome Registrierung

`-- chrome/

| -- content/

| | -- helloworld.xul

→ User Interface

| | `-- helloworld.js

→ Interaktivität

| -- skin/

| | `-- helloworld.css

→ Darstellung

`-- locale/

 |-- de-DE/

 |-- helloworld.dtd

→ Texte



Packaging

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    `-- locale/  
        `-- de-DE/  
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```



XPCOM

```
var Cc = Components.classes;
```

```
var Ci = Components.interfaces;
```

```
var file = Cc["@mozilla.org/file/local;1"].createInstance(Ci.nsILocalFile);  
          ...      ...      ...      ...      .getService(Ci.nsI...Service);
```

```
file.initWithPath('/path/to/a/file');
```

```
file.isDirectory();
```



Fazit

- Entwicklung einfach
- Entwicklung schnell
- <http://addons.mozilla.org>
 - lernen
 - vertreiben



Quellen

- Mozilla Developer Center / DevMo
 - <http://developer.mozilla.org/> [en/Extensions]
 - http://developer.mozilla.org/en/XUL_Tutorial
- MozillaZine Knowledge Base
 - <http://kb.mozillazine.org/>
- Firefox Add-Ons / AMO
 - <https://addons.mozilla.org/de/firefox/>



Grafiken

- Mozilla Organization
 - <http://www.mozilla.com/en-US/press/images.html>
- Alexandre Moore
 - <http://nuovext.pwsp.net/>

