Chrome Dev Tools

A few highlights

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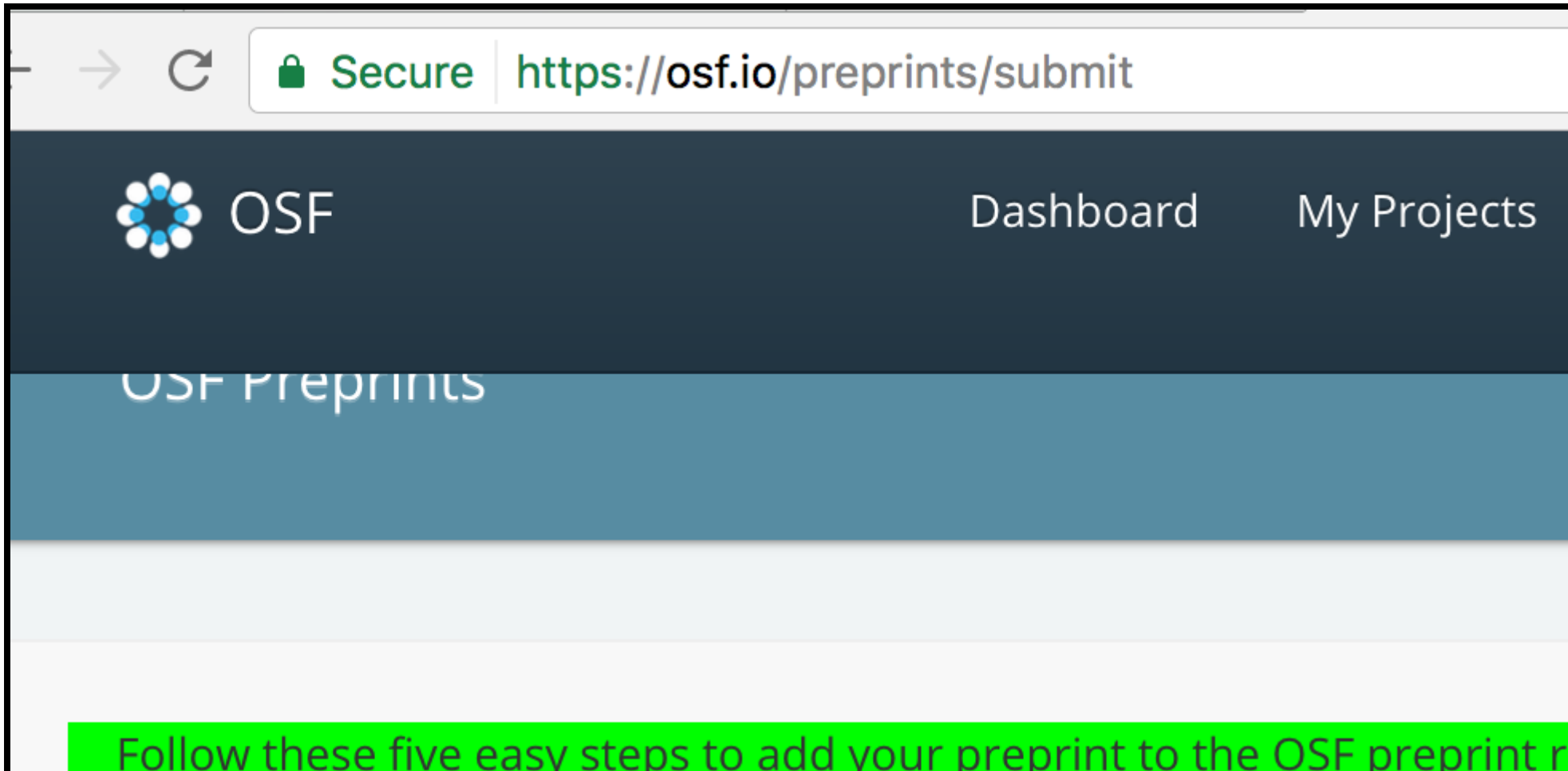
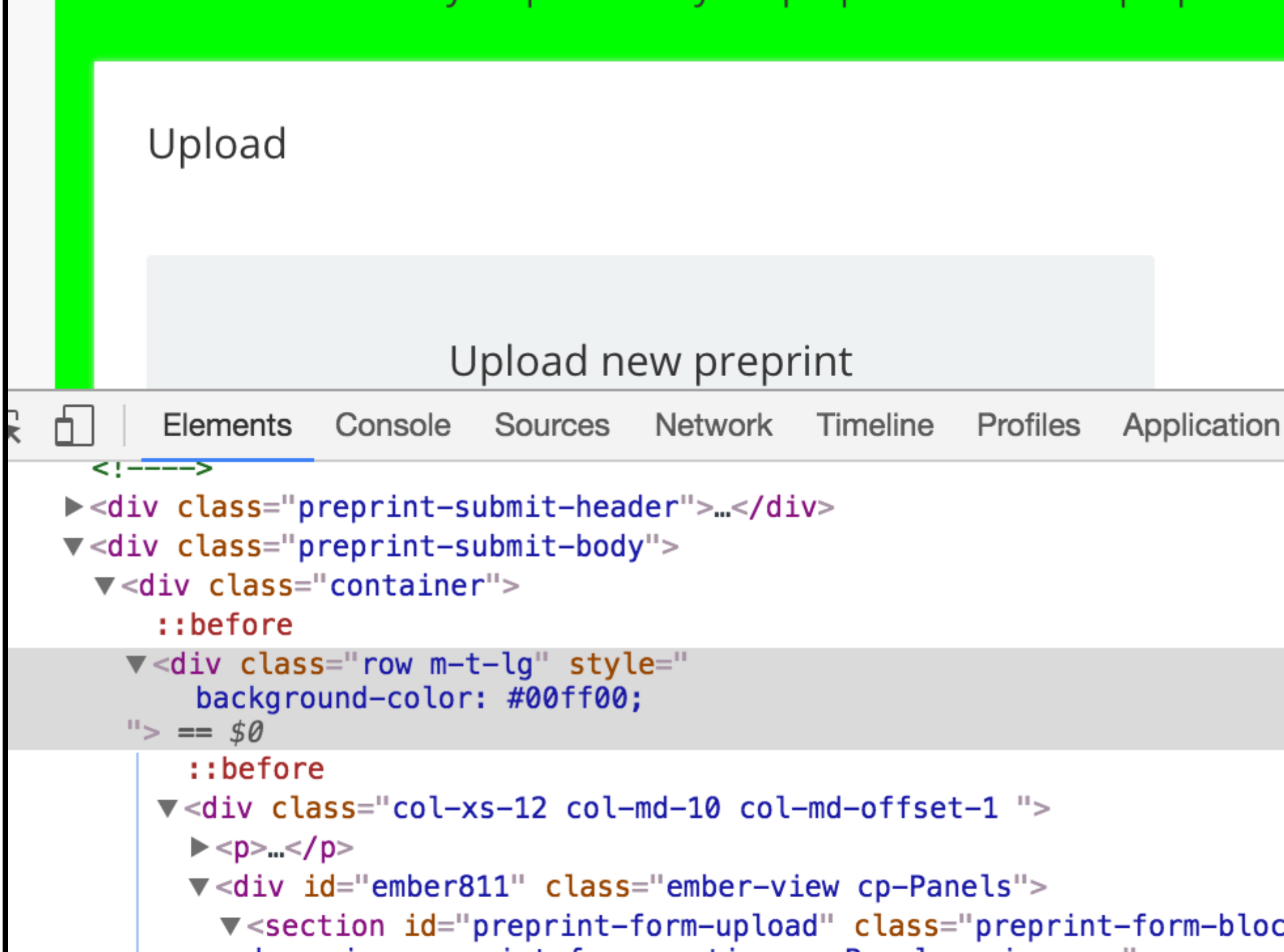
The DOM Inspector

Modify text and styles on the page, and preview changes instantly

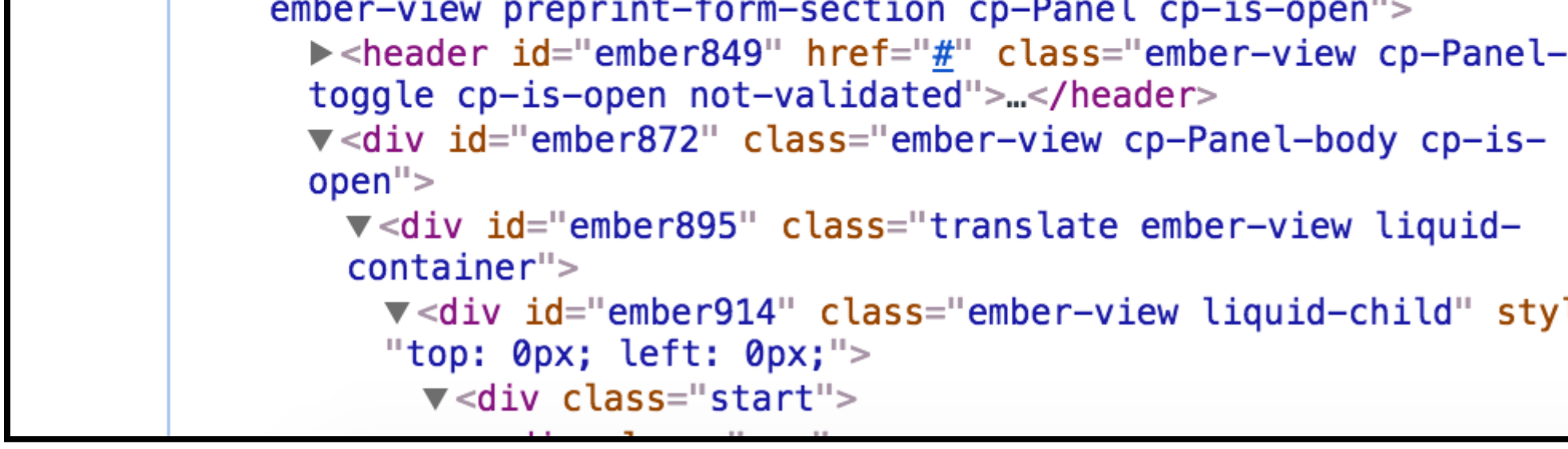



Upload
Upload new preprint
Elements
Console
Sources
Network
Timeline
Profiles
Application
<!---->
…

::before
<div class="row m-t-lg" style="
background-color: #00ff00;
"> == $0
::before

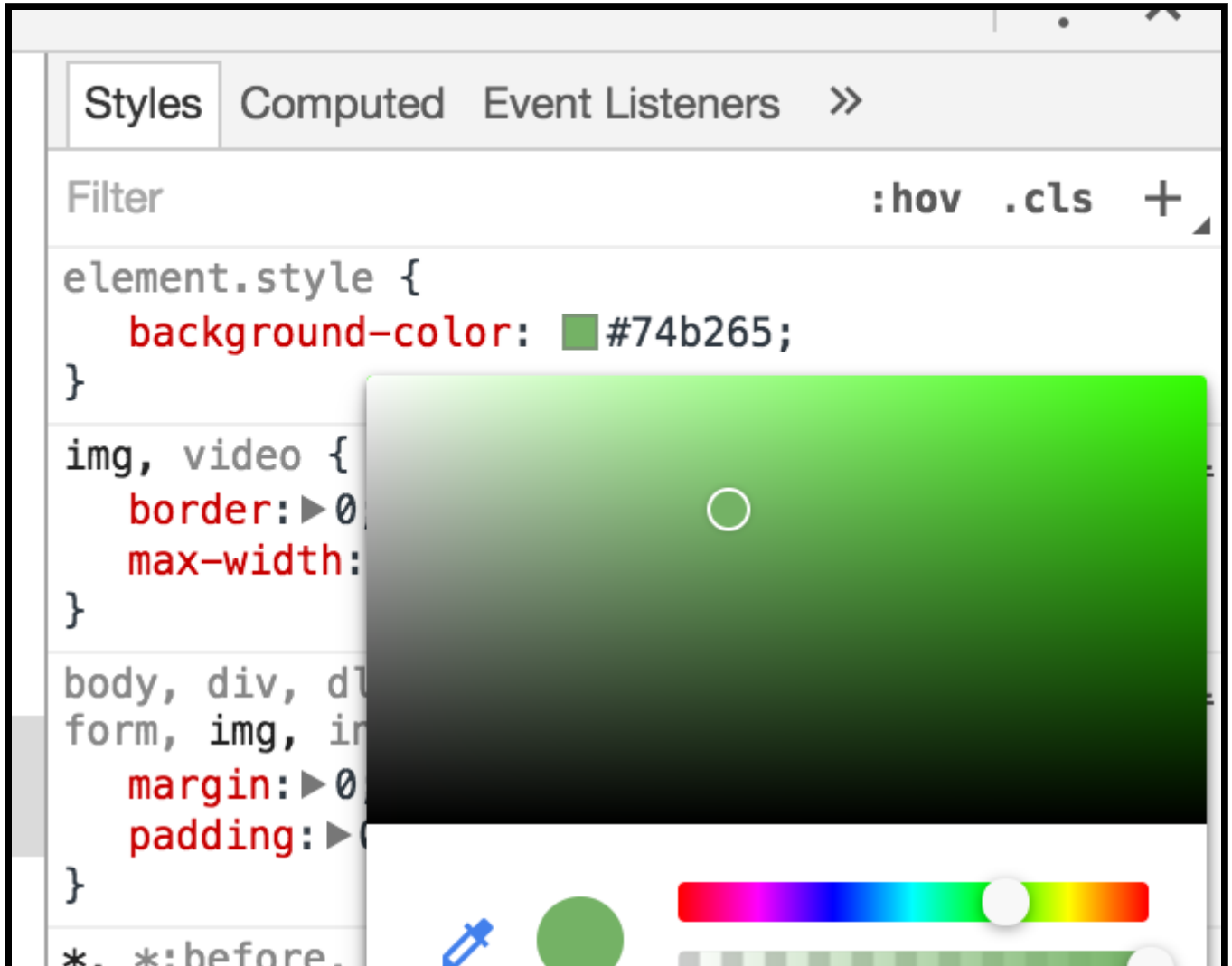
…

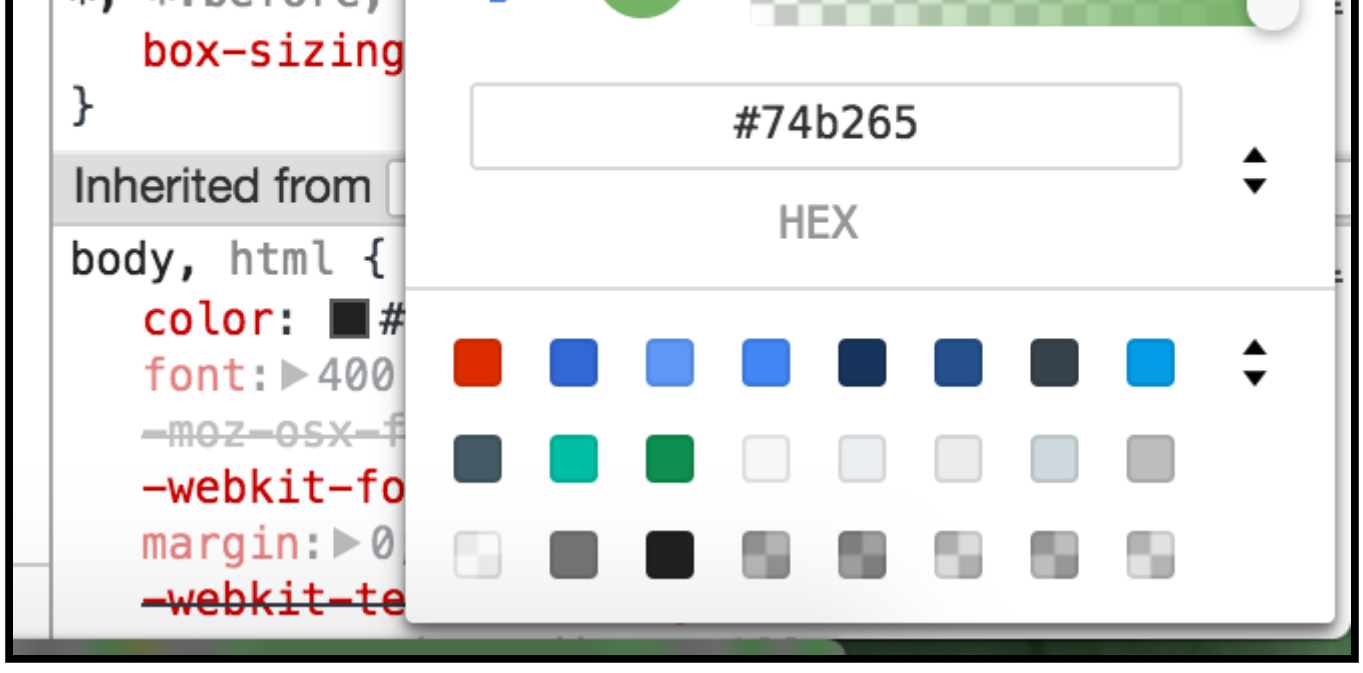
<section id="preprint-form-upload" class="preprint-form-bloc


ember-view preprint-form-section cp-Panel cp-is-open">
▶<header id="ember849" href="#" class="ember-view cp-Panel-
toggle cp-is-open not-validated">…</header>
▼<div id="ember872" class="ember-view cp-Panel-body cp-is-
open">
▼<div id="ember895" class="translate ember-view liquid-
container">
▼<div id="ember914" class="ember-view liquid-child" sty
"top: 0px; left: 0px;">
▼
2.1

Additional style/ CSS tools

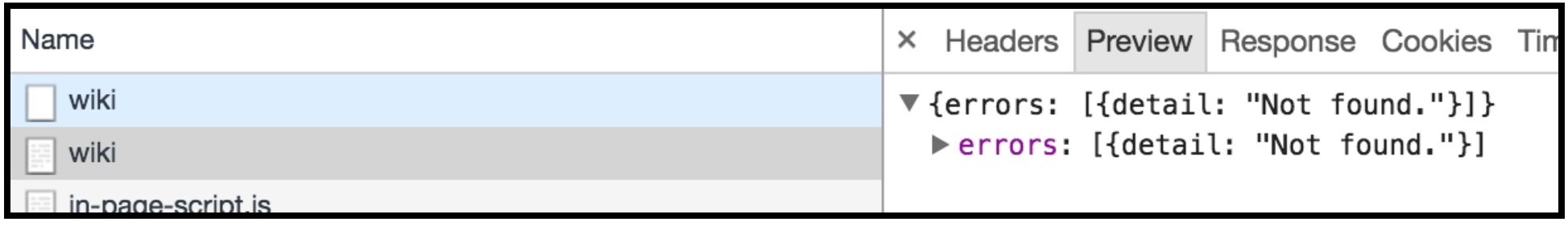
Color picker




box-sizing
}
Inherited from
body, html {
color:
font:▶400
-moz-osx-f
-webkit-fo
margin:▶0
-webkit-te
#74b265
HEX

Inspecting Network Requests

See credentials, URLs, headers, and request/response payloads

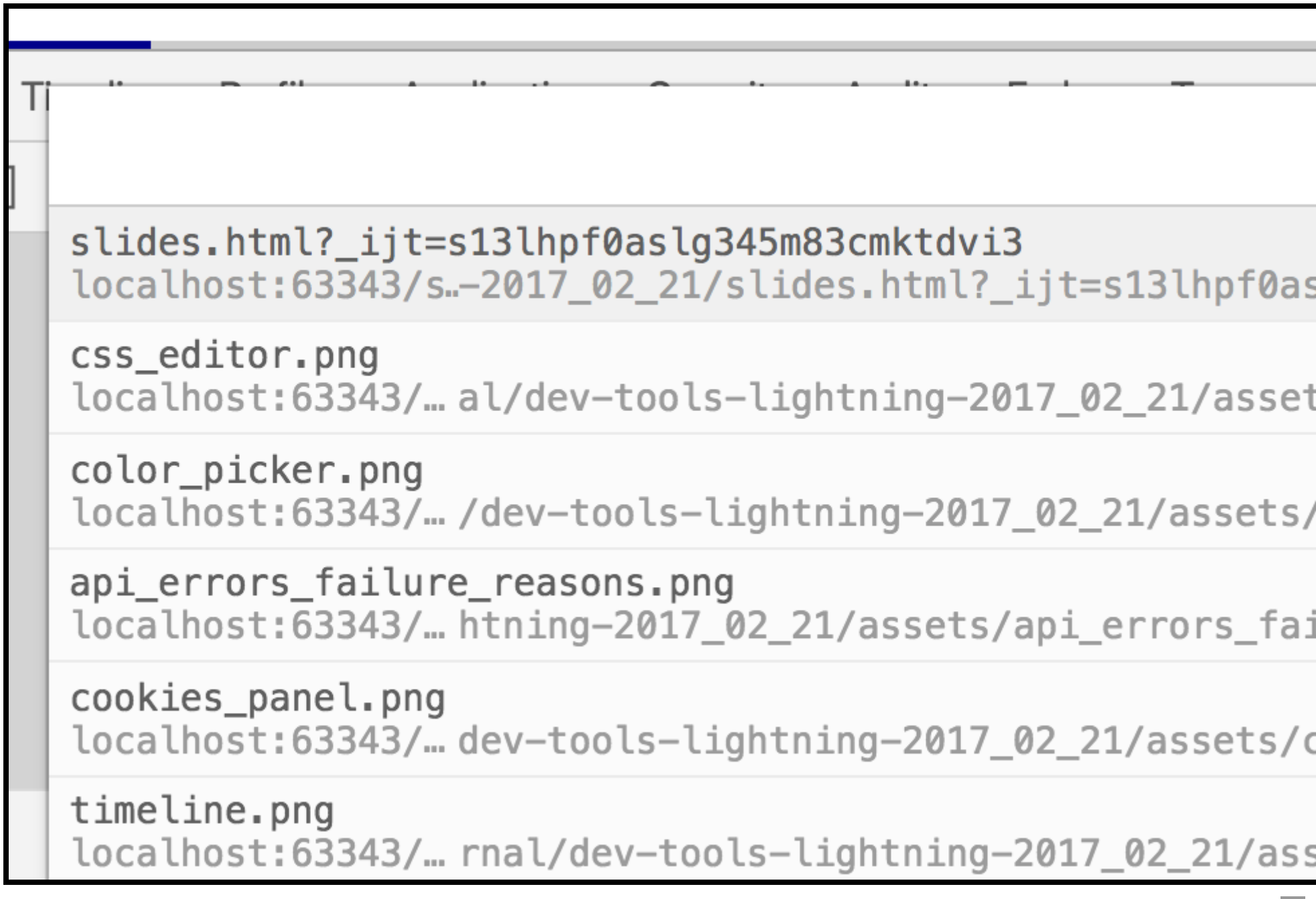


Sources

Edit application code live, with breakpoint debugging

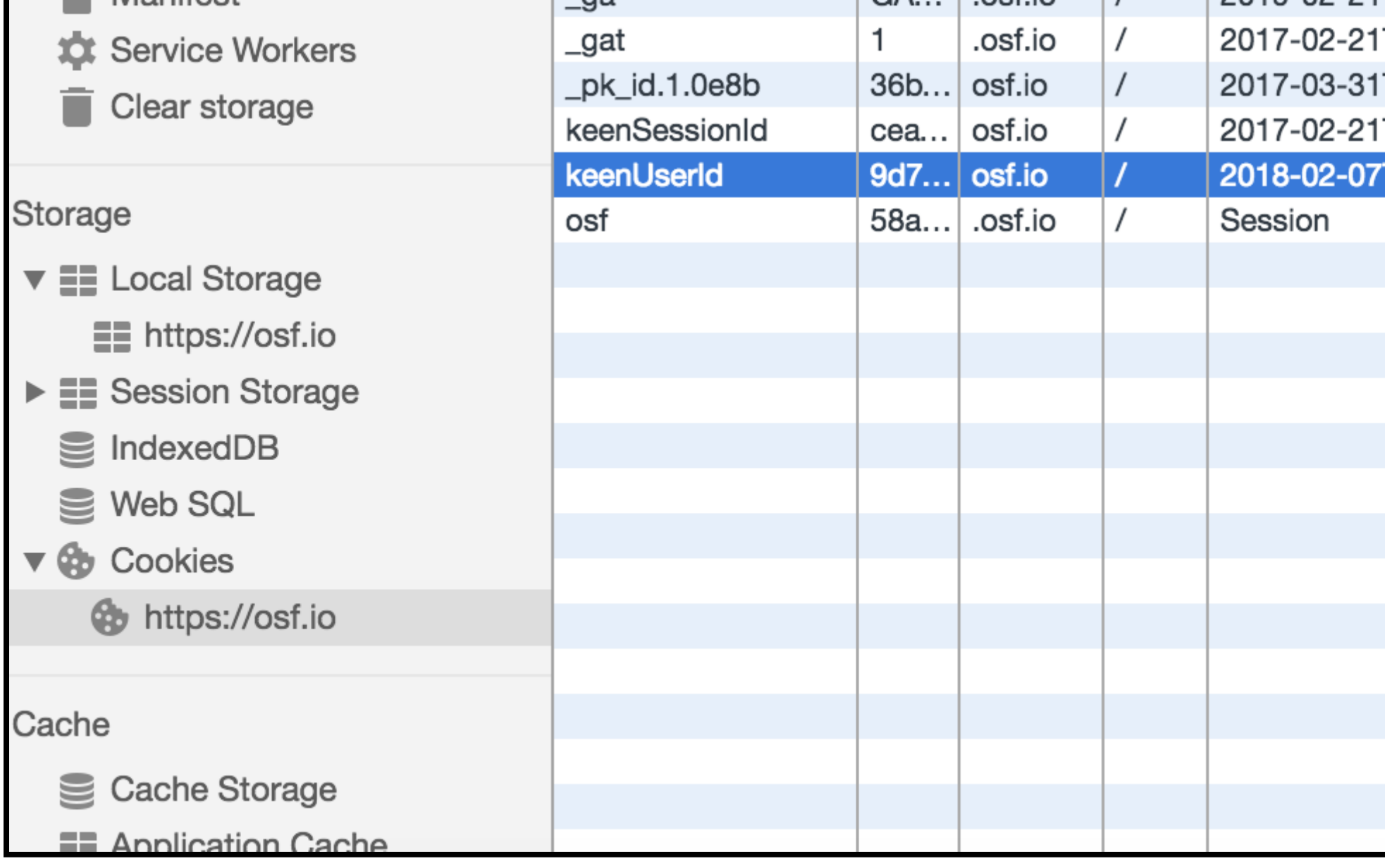
Getting started guide

Tip: **Cmd + P** to bring up a file picker!


slides.html?_ijt=s13lhpf0aslg345m83cmktdvi3
localhost:63343/s…-2017_02_21/slides.html?_ijt=s13lhpf0as
css_editor.png
localhost:63343/… al/dev-tools-lightning-2017_02_21/asset
color_picker.png
localhost:63343/… /dev-tools-lightning-2017_02_21/assets/
api_errors_failure_reasons.png
localhost:63343/… htning-2017_02_21/assets/api_errors_fai
cookies_panel.png
localhost:63343/… dev-tools-lightning-2017_02_21/assets/c
timeline.png
localhost:63343/… rnal/dev-tools-lightning-2017_02_21/ass

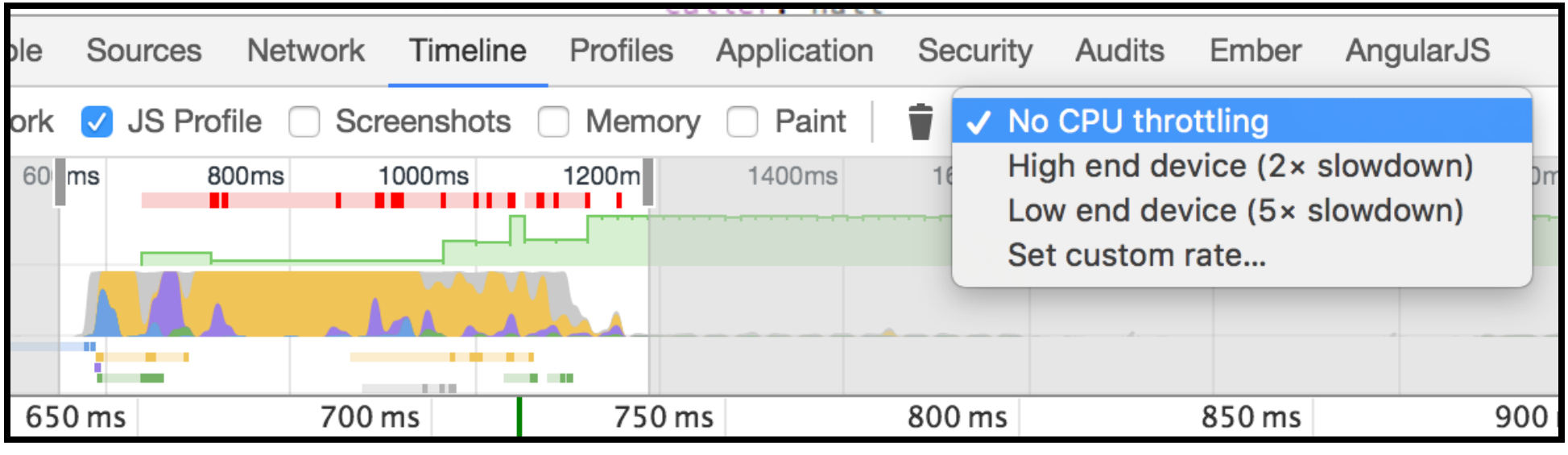
Application tab

Inspect cookies and local storage (among others). See which cookies are secure!

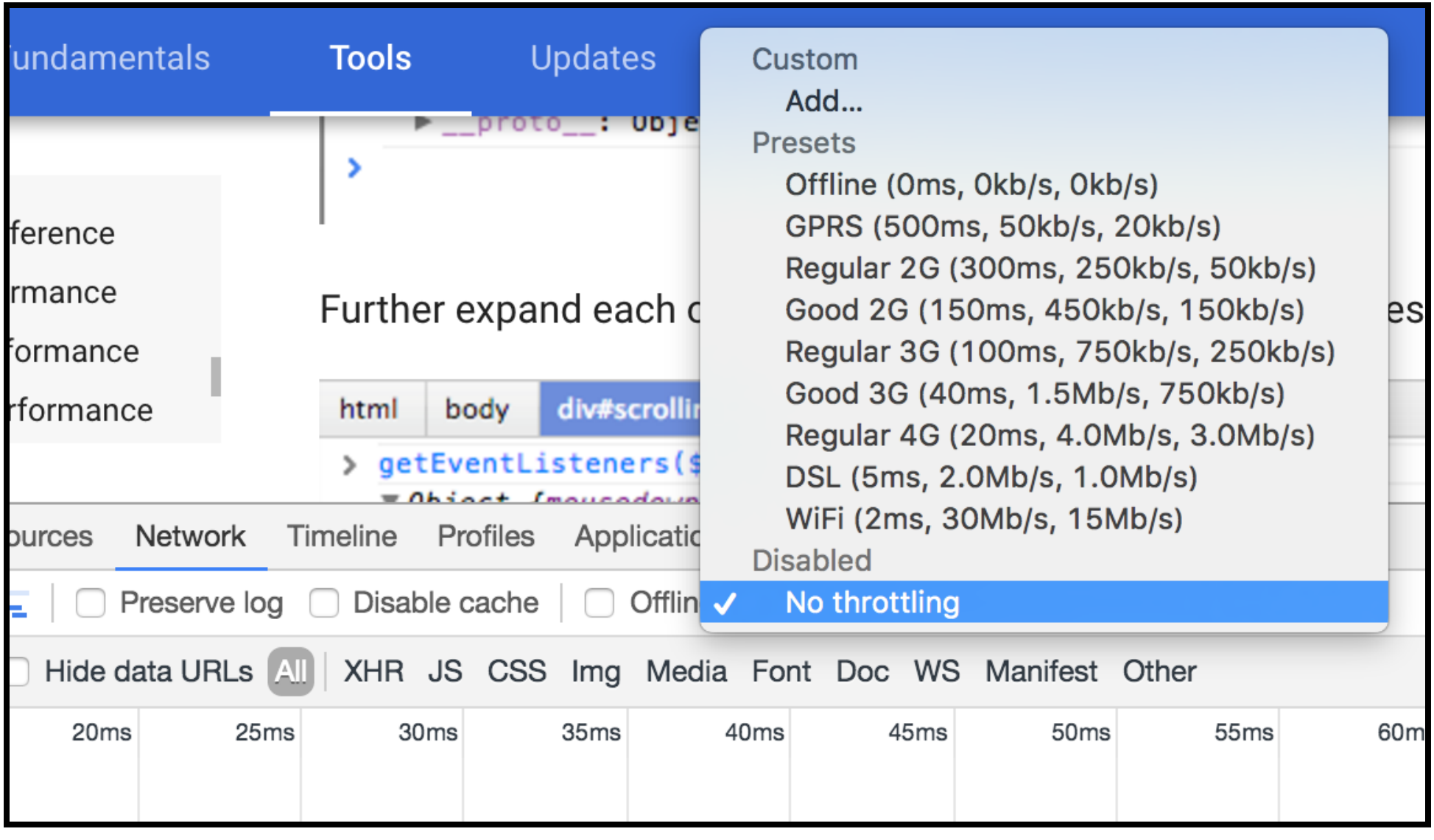

Service Workers
Clear storage
Storage
Local Storage
https://osf.io
Session Storage
IndexedDB
Web SQL
Cookies
https://osf.io
Cache
Cache Storage
Application Cache
_gat 1 .osf.io / 2017-02-21
_pk_id.1.0e8b 36b... osf.io / 2017-03-31
keenSessionId cea... osf.io / 2017-02-21
keenUserId 9d7... osf.io / 2018-02-07
osf 58a... .osf.io / Session

Experience Life as Another User

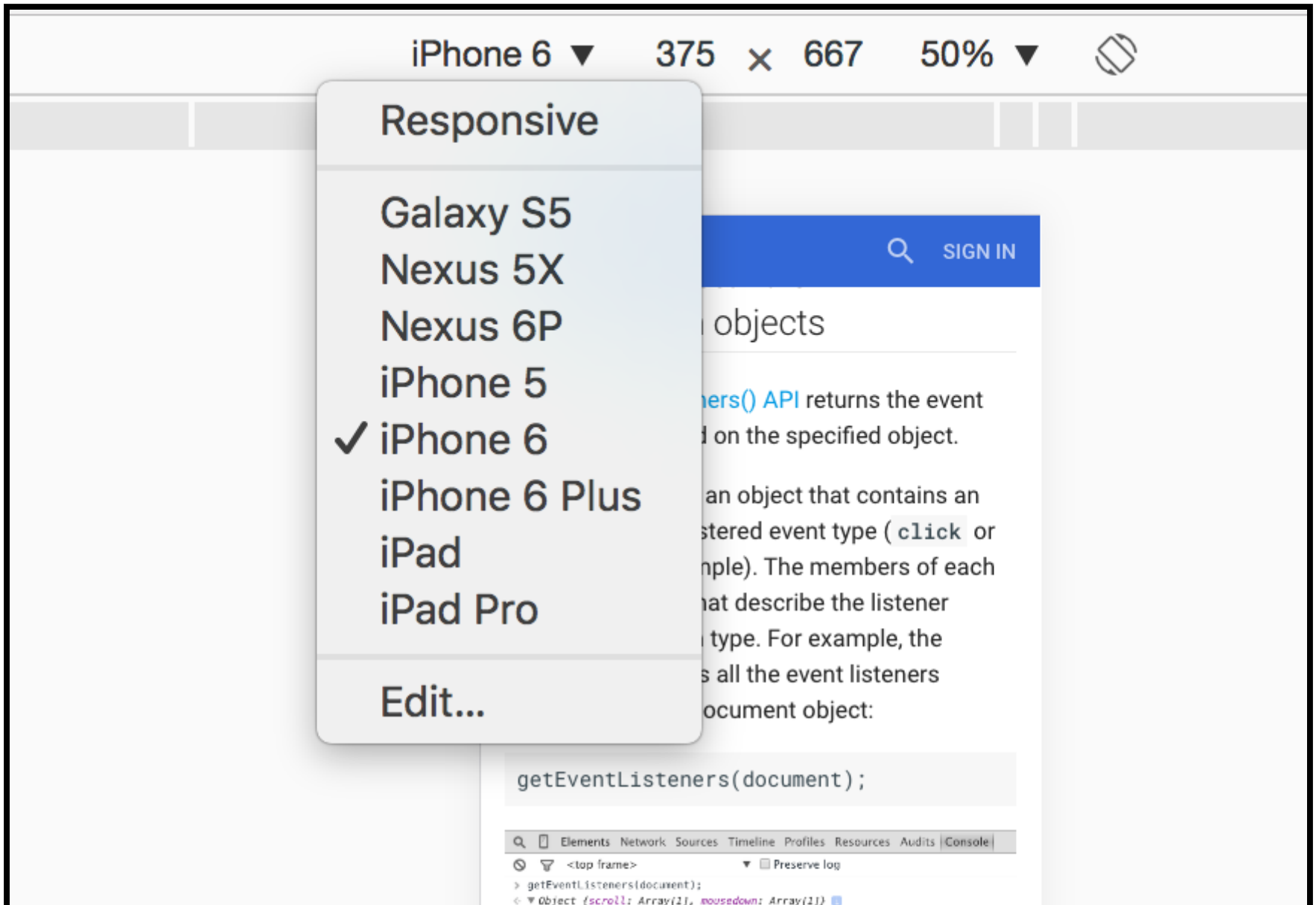
Slow CPU

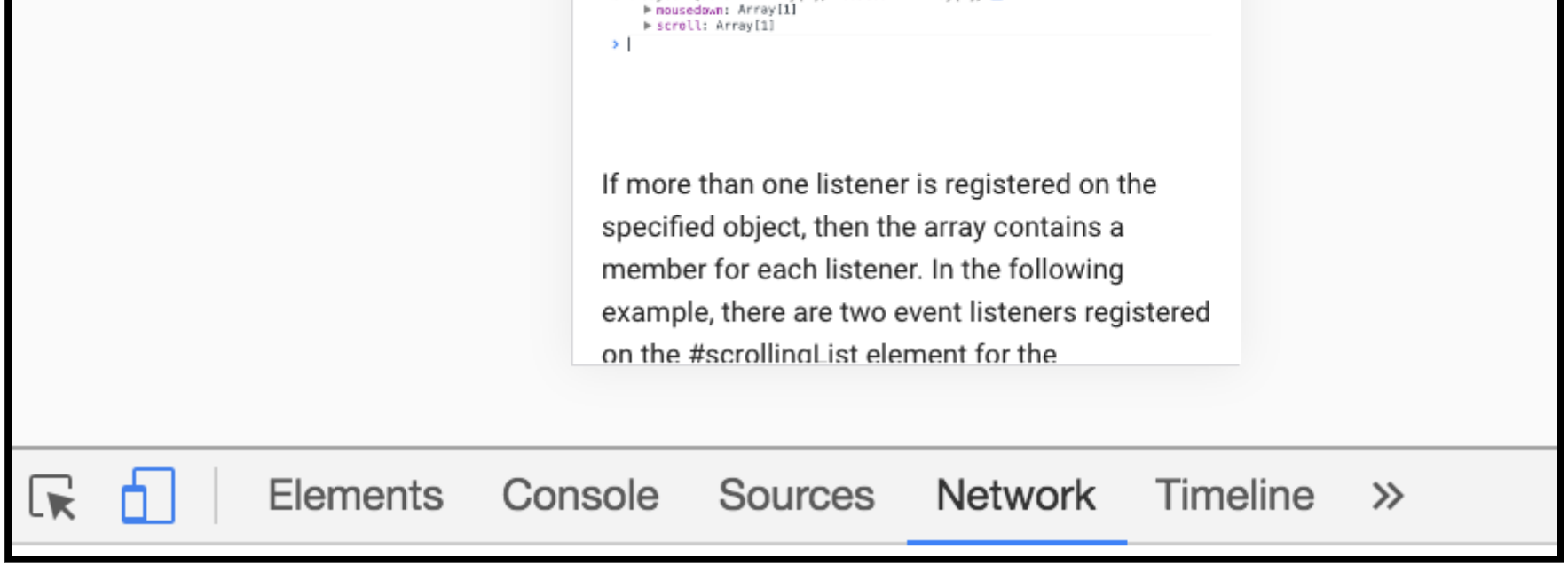

Sources
Network
Timeline
Profiles
Application
Security
Audits
Ember
AngularJS
JS Profile
Screenshots
Memory
Paint
No CPU throttling
High end device (2× slowdown)
Low end device (5× slowdown)
Set custom rate...
800ms
1000ms
1200m
1400ms
650 ms
700 ms
750 ms
800 ms
850 ms

Network throttling



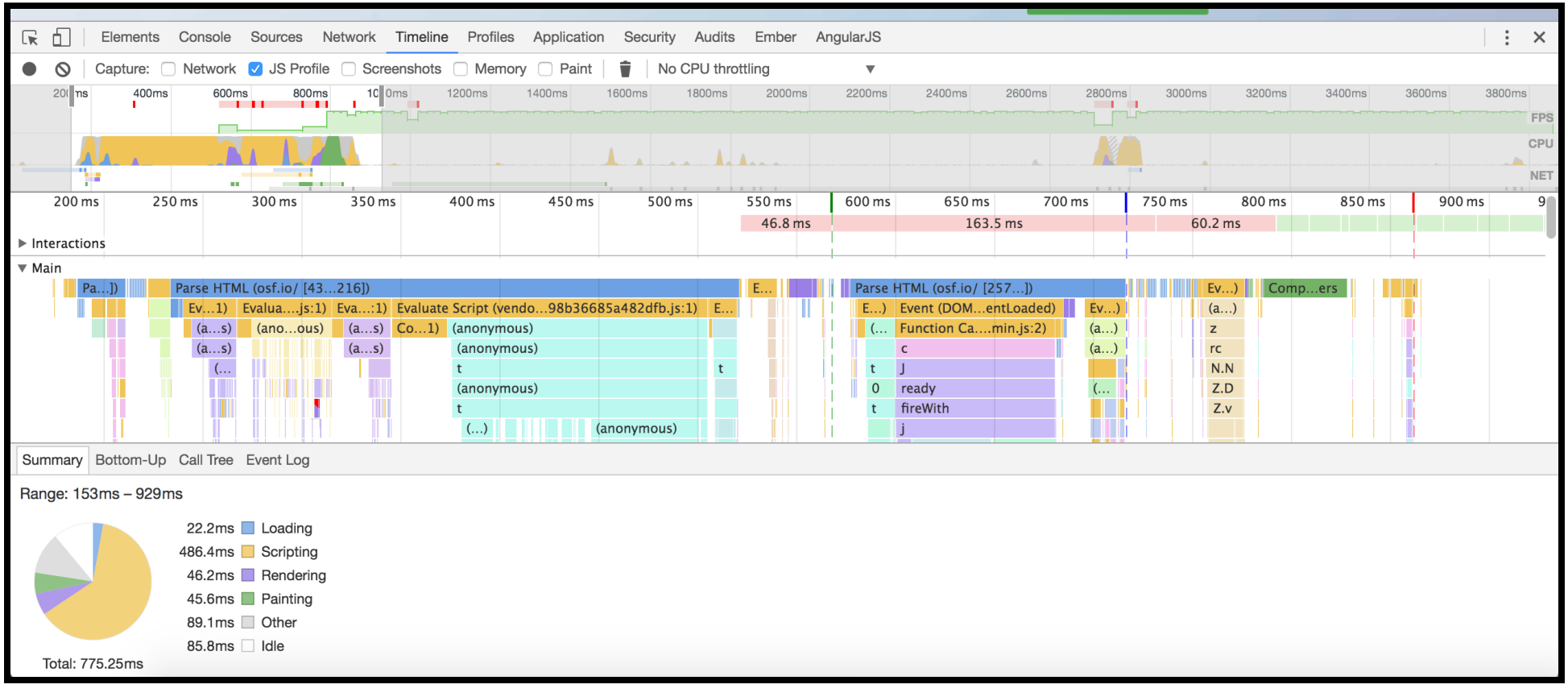
Mobile layout




mousedown: Array[1]
scroll: Array[1]
If more than one listener is registered on the specified object, then the array contains a member for each listener. In the following example, there are two event listeners registered on the #scrollingList element for the
Elements
Console
Sources
Network
Timeline

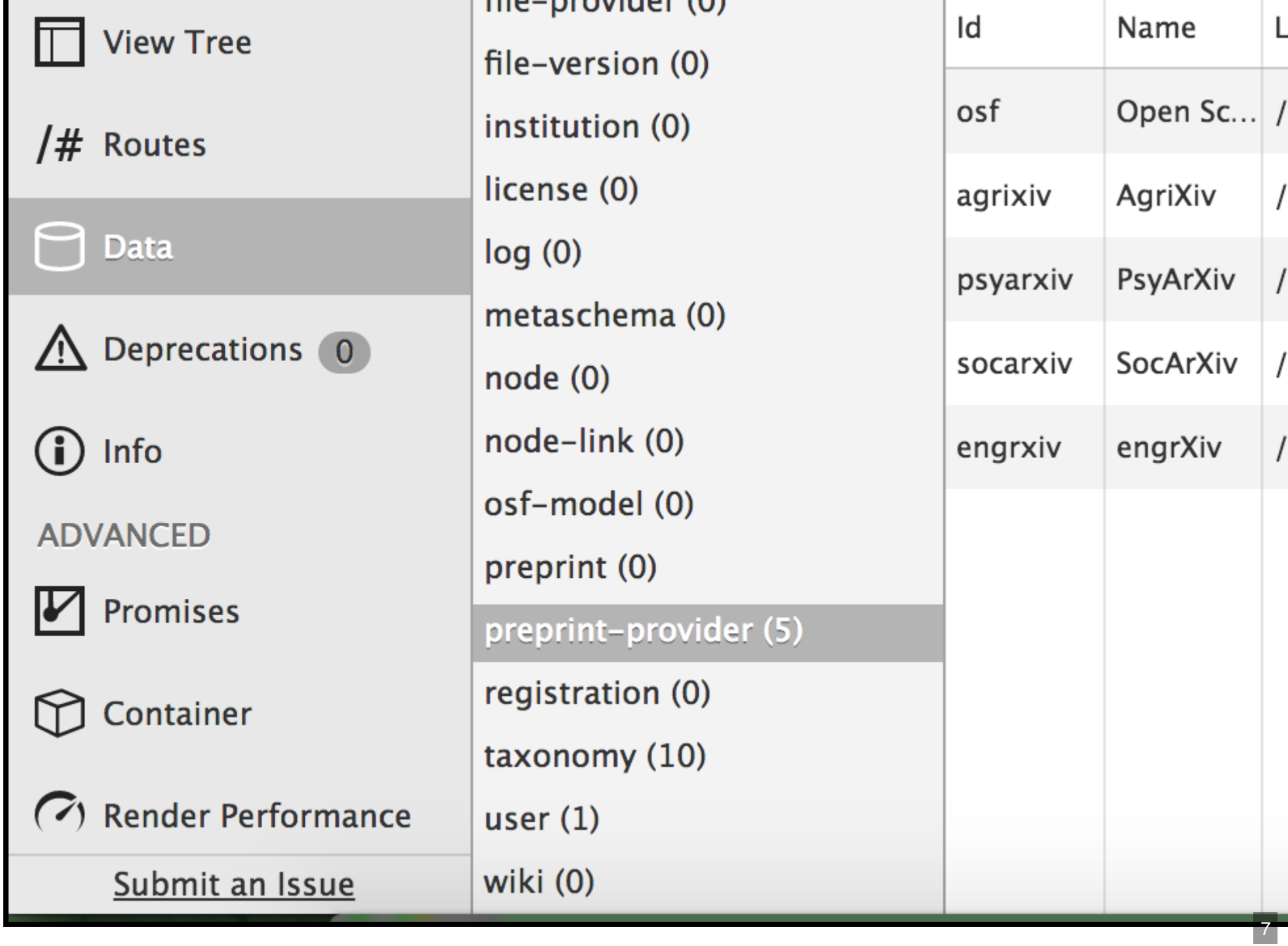
Timeline

Expose all aspects of page render performance:
javascript, style/layout, painting

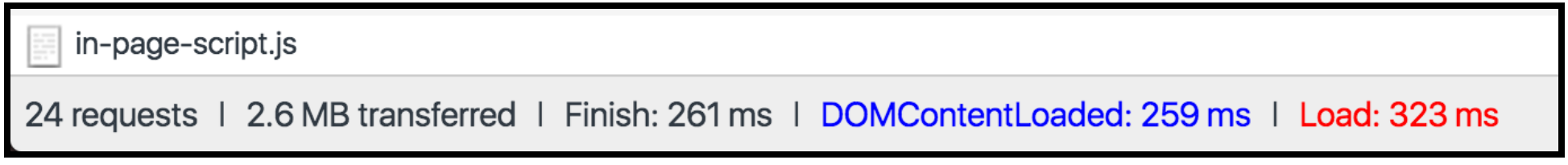


The Ember Inspector

See a list of routes, inspect rendering, and interact with ember-data (chrome addon)


View Tree
Routes
Data
Deprecations 0
Info
ADVANCED
Promises
Container
Render Performance
Submit an Issue
file-provider (0)
file-version (0)
institution (0)
license (0)
log (0)
metaschema (0)
node (0)
node-link (0)
osf-model (0)
preprint (0)
preprint-provider (5)
registration (0)
taxonomy (10)
user (1)
wiki (0)
Id
Name
osf
Open Sc...
agrixiv
AgriXiv
psyarxiv
PsyArXiv
socarxiv
SocArXiv
engrxiv
engrXiv

Bonus: Download size




```
$ optipng ember_inspector.png -out optipng-ember-inspector.png
$ ls -lh
-rw-r--r--  1 me  self   603K Feb 21 09:12 ember_inspector.png
-rw-r--r--@ 1 me  self   167K Feb 21  2017 optimizilla-ember-insp
-rw-r--r--  1 me  self   328K Feb 21 09:36 optipng-ember-inspecto
```

- Google article on image optimization
- Online image compression tool

Note: The OptiPNG image in this case seems to be mangled; might not be a fair test

Demo: OSF Preprints (without the OSF)

Search page (+ bonus feature: "initiator")