PWA with Symfony 4

Aurelijus Banelis







Aurelijus Banelis

Software developer aurelijus.banelis.lt aurelijus@banelis.lt

PGP 0x320205E7**539B6203**130D C446 1F1A 2E50 D6E3
3DA8 3202 05E7 539B 6203







Progressive Web Apps from Symfony 4 developer perspective



Intro into PWA



Development environment

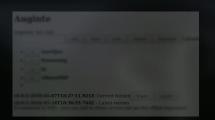


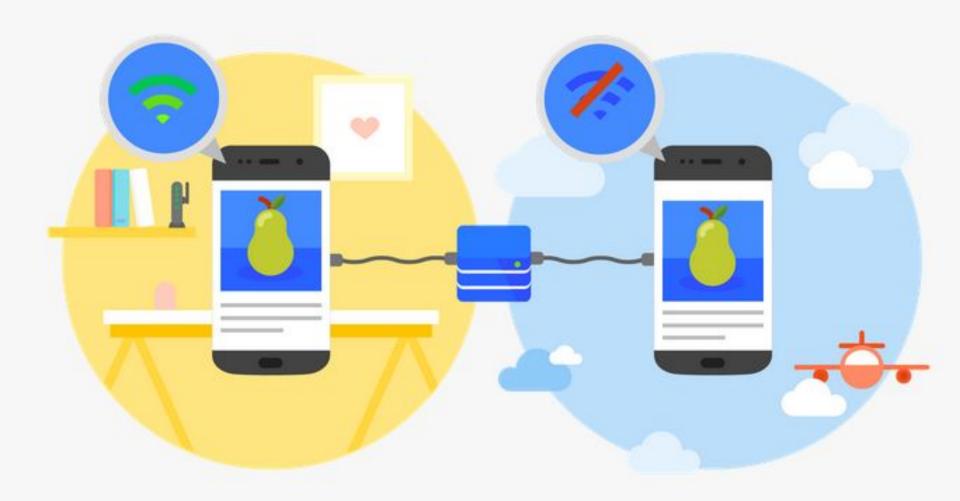


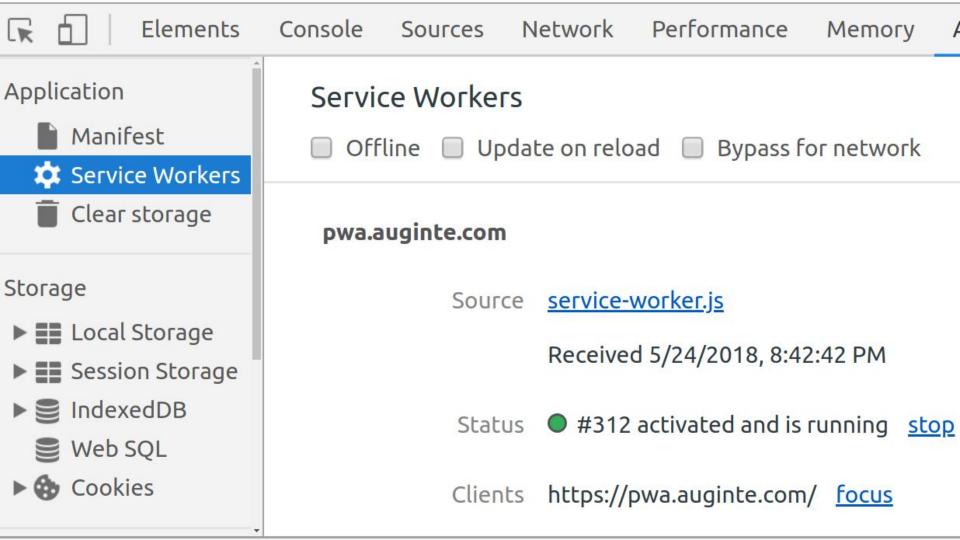
Intro into PWA

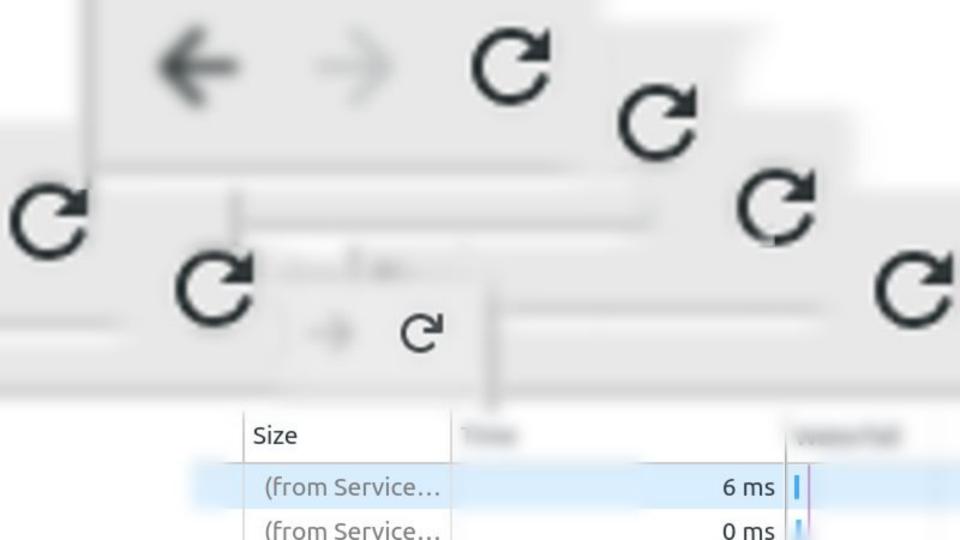


Development environment









ate where your app shell will never update. Be implementation and how to avoid them.

handler, we will cache all the assets that are needed for the application.

When the service worker is registered, an install event is triggered the first time the user visit

When the service worker is fired, it should open the caches object and populate it with the

the App Shell. Create a file called service-worker, js. in your application root folder (wh

first-pwapp-master/work directory). This file must live in the application root because

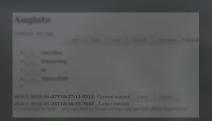
Cache the site assets



Intro into PWA



Development environment



Final thoughts

6 ms



Intro into PWA



Development environment



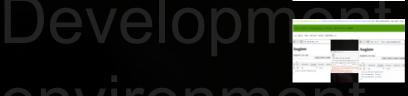




What we want?



Validate cache



Backend



Frontend



Clear cache





Intro into PM Croint Symbol on the Post of the Symbol of the Intro Intro



What we want?



Development of the second seco

Validate cache

Backend

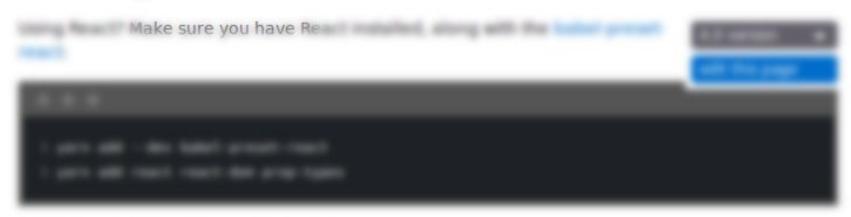
Frontend



Clear cache

Creating Symfony applications Use Symfony 4.0 for the latest features

ng React.js





I-07T18:27:11.921Z: Current version

-24T18:36:55.764Z - Latest version

MiFi - you can Add to Home screen and get full off

Check



What we want?



Validate cache



Backend



Frontend

-07T18:27:11.921Z: Current

of measurements to accept a support of acceptance of accep

Clear cache

-24T18:36:55.764Z - Latest version



Intro into Polyana deliciona delicio



What we want?



Validate cache



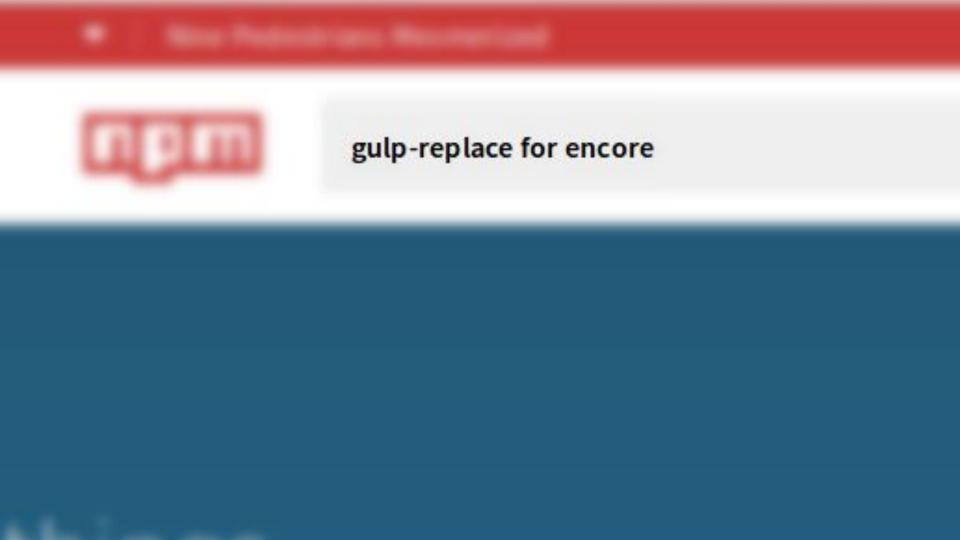
Backend

Frontend



Clear cache







Adding Custom Plugins

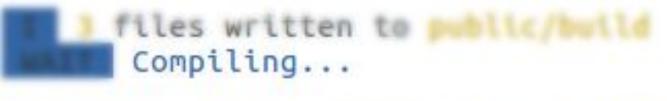
```
Encore
.addPlugin()
```

```
.addPlugin(new ServiceWorkerPlugin({
 staticFiles: {
    './assets/workers/manifest.json': '../manifest.json',
    './assets/workers/service-worker.js': '../service-worker.js',
    './assets/workers/version.json': 'version.json',
    './assets/js/main.js': 'js/main.js'
 dynamicFiles: [
    'js/app.js'
 replace: {
    "@NOTICE@": () => "This file is AUTO GENERATED!",
    "@VERSION@": () => "v0.0.5-" + (new Date()).toISOString(),
```

```
() => "This file is AUTO GENERATED!",
: () => "v0.0.5-" + (new Date()).toISOString(),
```

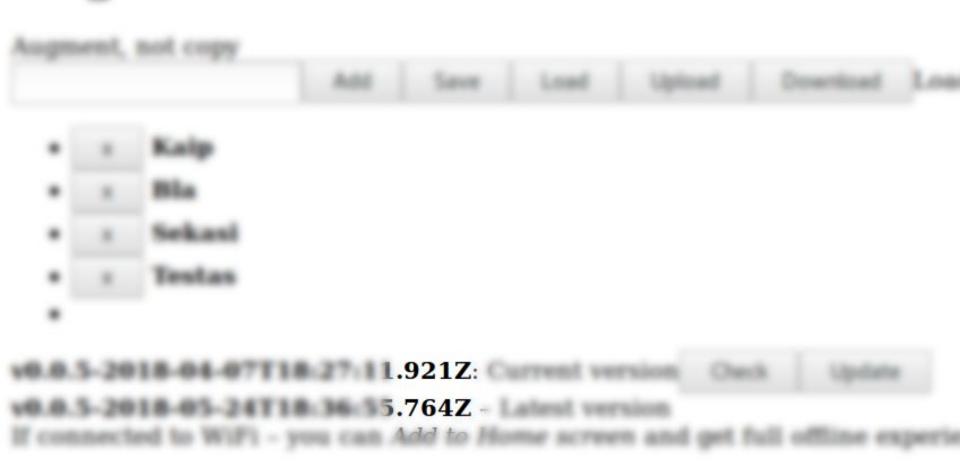
Compiled successfully in 2201ms files written to public/build Compiling... Compiled successfully in 1523ms

Compiled successfully in 1079ms



3 files written to public/build

Auginte



```
() => "This file is AUTO GENERATED!",
: () => "v0.0.5-" + (new Date()).toISOString(),
```

https://gist.github.com/aurelijusb/2d7ce6e7ed8634c49a2d0645943c9744



What we want?



Validate cache



Backend



Frontend

Clear cache ing(),



Intro into PMA



What we want?



Development of the second of t

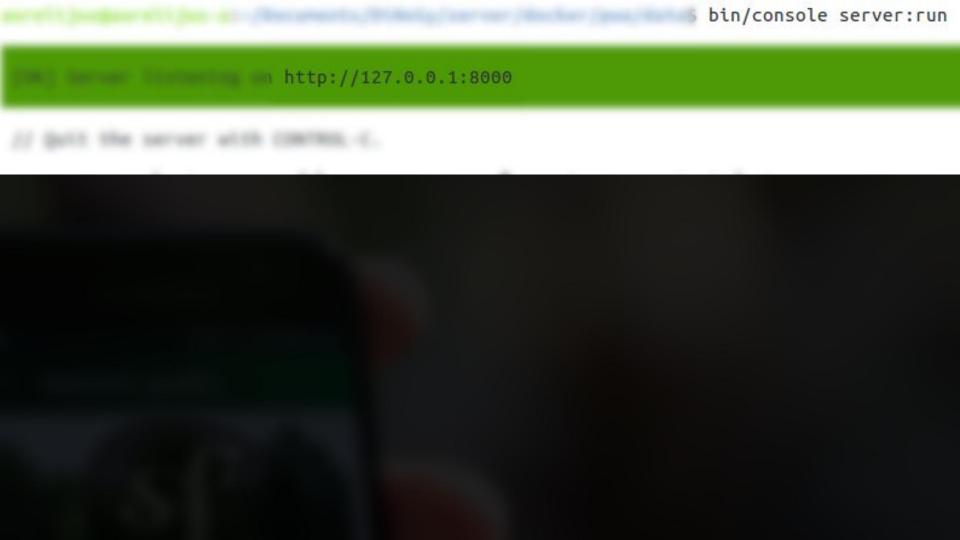
Validate cache

Backend

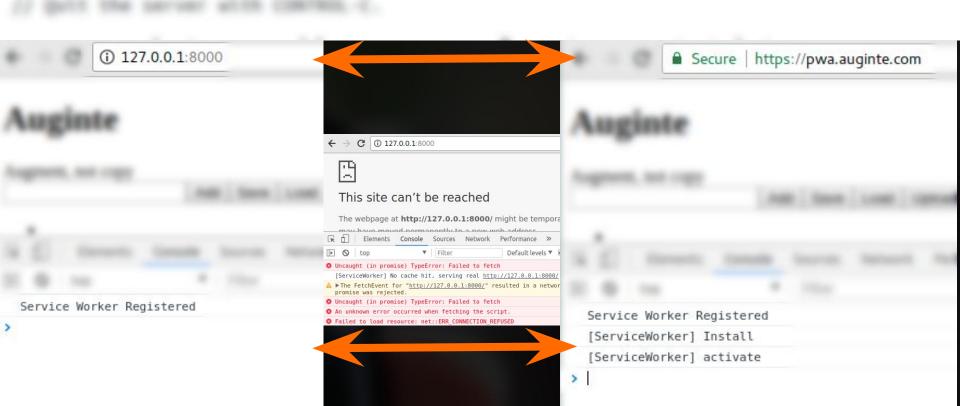
Frontend



Clear cache



http://127.0.0.1:8000



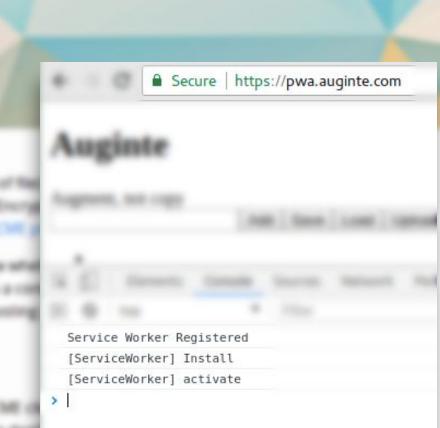




Service Worker Registered [ServiceWorker] Install [ServiceWorker] activate



Getting Started





while inotifywait
rsync /data/public

Getting Started



Auginte

done

Augment, not copy

Upload | Download Loaded

- · x Trys · x Vienas · x Testas
- •

 $\begin{array}{c|c} \textbf{Version} & \textbf{Check} & \textbf{Update} \\ \textbf{V0.0.5-2018-05-24T18:36:55.764Z} - Latest \\ \textbf{Version} \\ \end{array}$

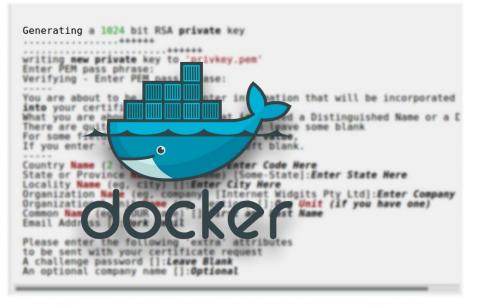
v0.0.5-2018-04-07T18:27:11.921Z: Current

tps://pwa.auginte.com

Add Save Load

If connected to WiFi – you can Add to Home screen and get full offline experience Service Worker Registered [ServiceWorker] Install [ServiceWorker] activate

■ Secure https://pwa.auginte.com



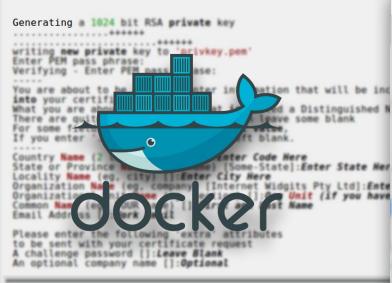
Parts in **bold emphasis** require input. You want to leave the challenge password blank, otherwise you'll need to enter this every time you restart Apache.

Generate the Certificate

Now it's the to creat the state of the golden and record again to create the certificate of the golden again to create the golden again

```
sudo openssl rsa -im privkey.pem -out new.cert.key
sudo openssl x509 -im new.cert.csr -out new.cert.cert -req -signkey new.c
sudo cp new.cert.cert /etc/ssl/certs/server.crt
sudo cp new.cert.key /etc/ssl/private/server.key
```





Parts in **bold emphasis** require input. You want to leave the challenge password blan you'll need to enter this every time you restart Apache.

Generate the Certificate

Now it's the credit of the control o







This site can't be reached

pwa.auginte.local refused to connect.

e service-worker.js 0 1

THE RESIDENCE

Service Worker Registration failed with SecurityError: Failed to register a ServiceWorker: An SSL certificate error occurred when fetching the script.









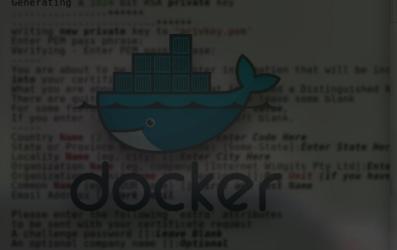
This site can't be reached

pwa.auginte.local refused to connect.



Service Worker Registration failed with SecurityError: Failed to register a ServiceWorker: An SSL certificate error occurred when fetching the script.

```
    ≡ routes.yaml ×
       IndexPhpRedirect:
           path: /index.php
           defaults:
14
               controller: FrameworkBundle:Redirect:redirect
16
               route: home
               permanent: true
       OldServiceWorkederAppJsRedirect:
20
           path: /app.js
           controller: FrameworkBundle:Redirect:urlRedirect
           defaults:
               path: /build/js/app.js
24
               permanent: true
       OldServiceWorkederMainJsRedirect:
           path: /main.js
           controller: FrameworkBundle:Redirect:urlRedirect
28
           defaults:
               path: /build/js/main.js
               permanent: true
```



Parts in hold emphasis require input. You want to leave the challenge password bla you'll need to enter this every time you restart Apache.

Generate the Certificate

CONTROL OF THE PARTY OF THE PAR

sudo openssl rsa -im privkey.pem -out new.cert.key sudo openssl x509 -im new.cert.csr -out new.cert.cert -reg -sig sudo cp new.cert.cert /etc/ssl/certs/server.crt sudo cp new.cert.key /etc/ssl/private/server.key



m routes.yam



/index.php What we want?



Validate cache



Backend



Frontend Fro



Clear cache

bath: /build/js/main.js
permanent: true





What we want?



Developmenvironme

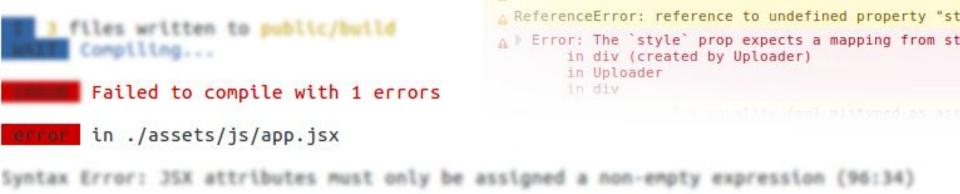


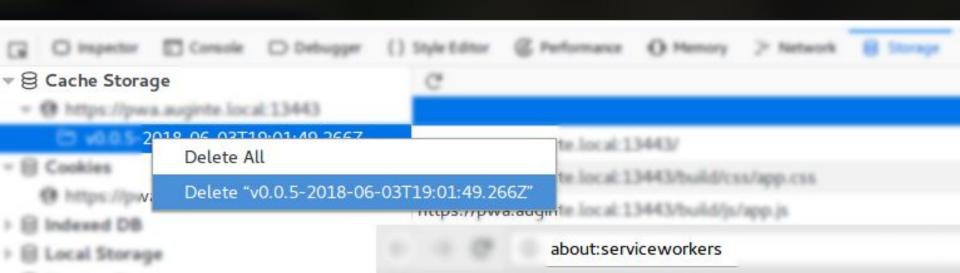
Backend

Frontend



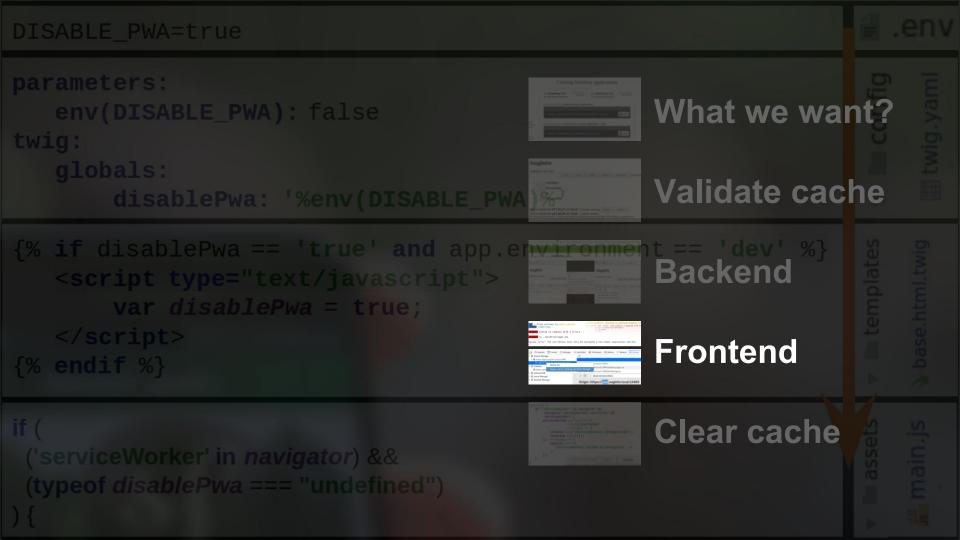
Clear cache





I ☐ Session Storage

DISABLE_PWA=true		.env
<pre>parameters: env(DISABLE_PWA): false twig: globals: disablePwa: '%env(DISABLE_PWA)%'</pre>	v Config	≡ twig.yaml
<pre>{% if disablePwa == 'true' and app.environment == 'dev' %} <script type="text/javascript"> var disablePwa = true; </script> {% endif %}</pre>	🔻 🖿 templates	base.html.twig
<pre>if (('serviceWorker' in navigator) && (typeof disablePwa === "undefined")) {</pre>	v assets	📇 main.js







What we want?



Development of the second seco

Validate cache

Backend

Frontend



Clear cache

```
update() {
   if ('serviceWorker' in navigator &&
        navigator.serviceWorker.controller &&
        serviceWorker) {
       serviceWorker. unregister ()
                     .then(clearCache)
                     .then(() => {
           console.log('[ServiceWorker] Unregistered');
           location.reload();
       }).catch((e) => {
           console.error(
             '[ServiceWorker] Failed to unregister', e
       });
```

location reload();

```
33:
const clearCache = () => {
   return caches.keys().then((keyList) => {
       return Promise.all(keyList.map((key) => {
           console.log(
              '[ServiceWorker] Removing old cache', key
           return caches.delete(key);
       } ) ) ;
```

serviceWorker.unregister()

clearCache

caches.keys()

delete(key)

Creating Symbols y applications or destroy 4.5 — or heart factor or hear

What we want?

serviceWorker.unregister

clearcache

Validate cache

location.reload();



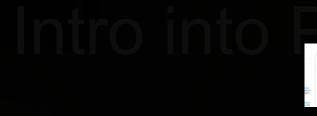
Backend



Frontend



Clear cache





What we want?



Validate cache



Backend



Frontend



Clear cache

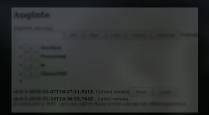








Development environment







Development environment





sw-precache-webpack-plugin

Seamless GDPR: delayed A/B testing Mobile-like, but personal data on no wait for update **Push notifications**

Web App Manifest

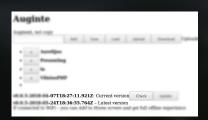
device

Browser storage





Development environment



PWA with Symfony 4

PMA with Questions?

Aurelijus Banelis

VilniusPHP 0x43 2018-06-07