

21.03.2024 | Amersfoort

# Step-by-Step Creation of an Offline APEX App with Plug-Ins

APEX World 2024 | Philipp Hartenfeller

code of change

 **Hyand** by  
GOD | MT

GOD III

# Two become Hyand Ranked among the top 15 IT service providers in Germany

Kaunas

Vilnius

Hamburg

Wolfsburg  
Braunschweig

Berlin

Dortmund  
Ratingen

Wrocław

Cologne

Frankfurt

Ingolstadt

Munich

Pune

> 900

Employees  
(of which 160 in  
shoring locations)

> 150

Clients

> 10

Industries

16

Locations

\$ whoami



# Philipp Hartenfeller

- Düsseldorf, Germany
- Master IT-Management
- Since 2016 @ MT Hyand
- Senior Consultant – Oracle APEX
- Mostly doing WebDev, DBs and APEX Testing (<https://lct.software>)

Blog: <https://hartenfeller.dev/blog/>



[@phartenfeller](https://twitter.com/phartenfeller)



[@phartenfeller@mastodon.social](https://mstdn.social/@phartenfeller)



Oracle ACE  
Associate

# Before we start

- This is Open Source: <https://github.com/phartenfeller/apex-off-grid>
- This is beta
  - A lot of changes planned
  - I had to tweak lot of small stuff to make my demo work
- What you need to get started
  - sw.js
  - Packages + Tables
  - APEX Plug-Ins
  - Set HTTP headers on Webserver / Proxy

# APEX Bug #32531037

 **Chris Neumueller**  
@chrisneumueller

Yes, we have gaps here. Once bug #32531037 is fixed, this should be resolved.

12:59 PM · Apr 21, 2023 · **1,130** Views

 **Neil Fernandez**  
@neilbfernandez

Hi Philip. I checked - It is still not resolved. Will let you know once I hear



7:28 AM · Sep 26, 2023 · **105** Views

- Setting headers only in APEX does not work
- --> Webserver or Proxy
- Headers increase security

```
Cross-Origin-Embedder-Policy: require-corp  
Cross-Origin-Opener-Policy: same-origin
```

oh I'm aware. I pinged the team about it again yesterday. No progress.

# Demo

Try it out for yourself!



# PWAs are here to stay

## Apple reverses decision to kill home screen web apps in the EU

Progressive web apps will remain on iOS after backlash from users over Apple's DMA-inspired decision.

By [Matt Binder](#) on March 1, 2024





Thank you!

questions / feedback / ideas?

hello@hartenfeller.dev

<https://hartenfeller.dev>