

BASICS AND STATUS PROGRESSIVE WEB APPS

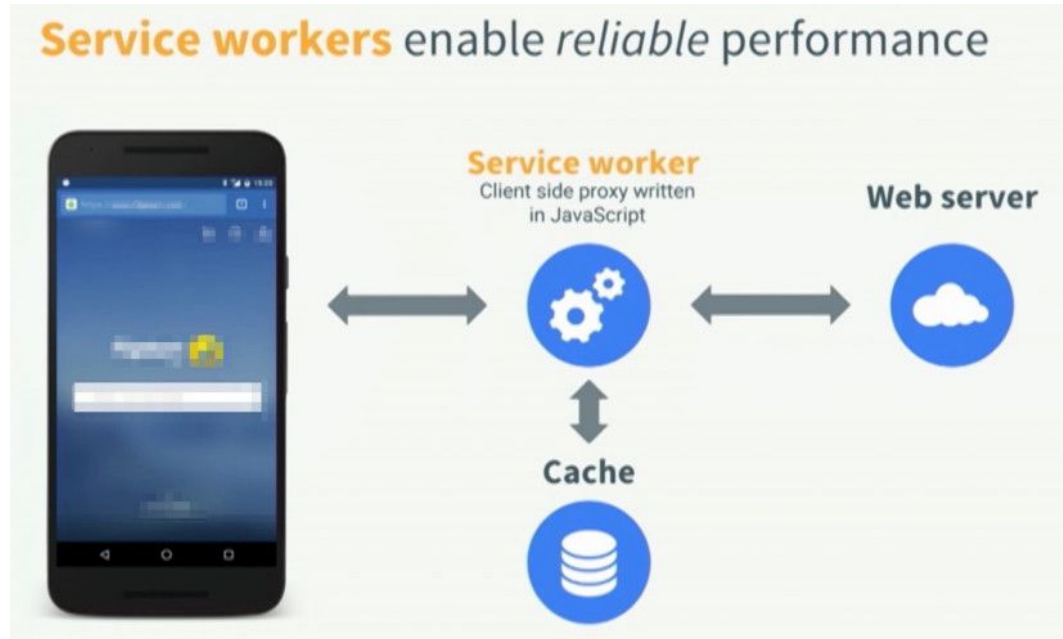
Stuttgart, Friday, July 31, 2020

BASICS PROGRESSIVE WEB APPS

1. Why web apps?
 - a. Web app store not needed
 - b. Web app is always up-to-date
 - c. Web app is portable
 - d. ...
2. Why native apps?
 - a. Offline support
 - b. Push notifications
 - c. Access to device hardware
 - d. ...
3. Why progressive web apps?
 - a. Combine web apps and native apps

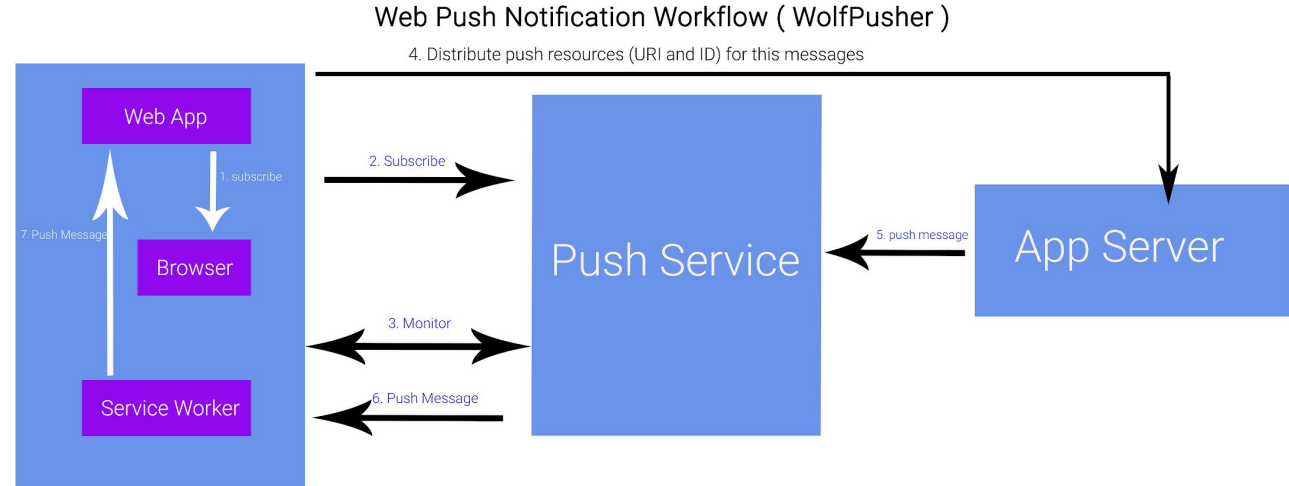
BASICS PROGRESSIVE WEB APPS

Offline support



BASICS PROGRESSIVE WEB APPS

Push notifications



STATUS PROGRESSIVE WEB APPS

Features



Media capture

Media capture allows apps to use the camera and microphone of a device.



Contact picker

The Contact Picker API allows apps to select the user's contacts after permission has been granted.



NFC

The Web NFC API enables web apps to read and write to NFC tags.



Audio

The Media Session API allows an app to display controls for media playback on a device's lock screen.



Wake lock

The Screen Wake Lock API enables web apps to prevent devices from dimming or locking the screen when the app needs to keep running.



Multi touch

Touch events enable apps to capture complex touch behaviour.



Speech recognition

Speech recognition is part of the Web Speech API and provides the ability to recognise voice content from an audio input.



Geolocation

The Geolocation API enables users to share their location with a web app.



Web share

The Web Share API invokes the native share mechanism of the device and allows users to share text, URLs or files.



Vibration

The Vibration API enables web apps to make a mobile device vibrate.



Authentication

Web Authentication API (WebAuthn) enables passwordless authentication through your device's fingerprint reader or an external USB Security Key.



Orientation

The DeviceOrientationEvent gives information about the physical orientation of the user's device.



Network info

The NetworkInformation API provides information about the connection of a device, allowing web apps to adapt functionality based on network quality.



Notifications

The Notifications API enables web apps to send notifications when the app is not active.



Bluetooth

The Web Bluetooth API enables a web app to connect to and exchange data with Bluetooth Low Energy (BLE) devices.



AR/VR

Augmented reality enables apps to overlay digital content on the real world.



Payment

The Payment Request API provides a way for web apps to request payment information from a user's device.



Motion

The DeviceMotionEvent gives information about the motion of the user's device.



Speech synthesis

Speech synthesis provides text-to-speech capabilities for web content.

<https://whatpwacando.today/>

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