

Criando PWAs com Angular: Primeiros Passos

Sobre mim

Desenvolvedor front-end @



Social Bank

Mais simples. Mais humano.



pedrovsp



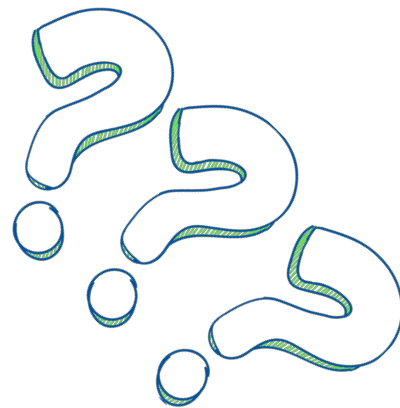
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PWA - Progressive Web Apps

O que são?

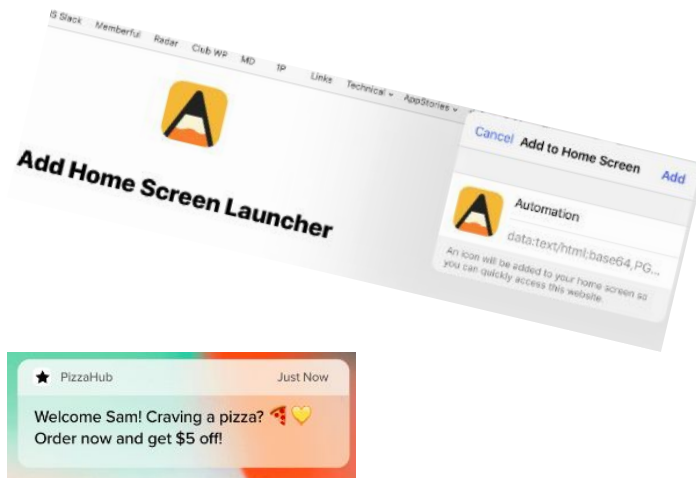
Do que se alimentam?

Onde vivem?



Vantagens

- Notificações por push
- “Instalável”
- Funciona offline
- Rápida
- Responsivo
- Não precisa de atualização



Mas e aí, como eu faço uma PWA?

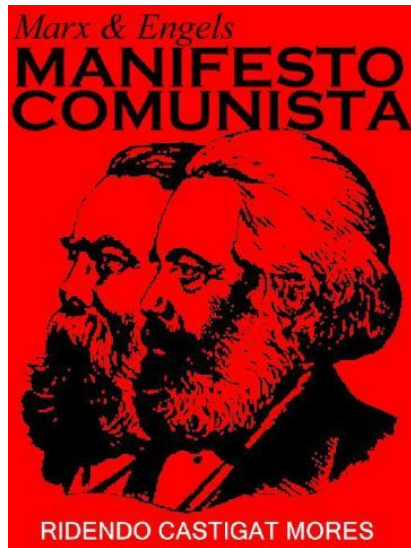
- ✔ App manifest
- ✔ Ícones
- ✔ Service worker
- ✔ Usa HTTPS
- ✔ Start URL

E pra que serve esse tal de Angular?

```
ng add @angular/pwa --project lotr
```

manifest.json

```
{  
  "name": "Lord of the Rings: A PWA story",  
  "short_name": "LotR",  
  "theme_color": "#1976d2",  
  "background_color": "#fafafa",  
  "display": "standalone",  
  "scope": "/",  
  "start_url": "/?utm_source=homescreen",  
  "prefer_related_applications": false,  
  "icons": [  
    {  
      "src": "assets/icons/icon-72x72.png",  
      "sizes": "72x72",  
      "type": "image/png"  
    }  
  ]  
}
```



Meta tags

```
<meta name="viewport" content="width=device-width, initial-scale=1">  
<link rel="manifest" href="manifest.json">  
<meta name="theme-color" content="#1976d2">
```

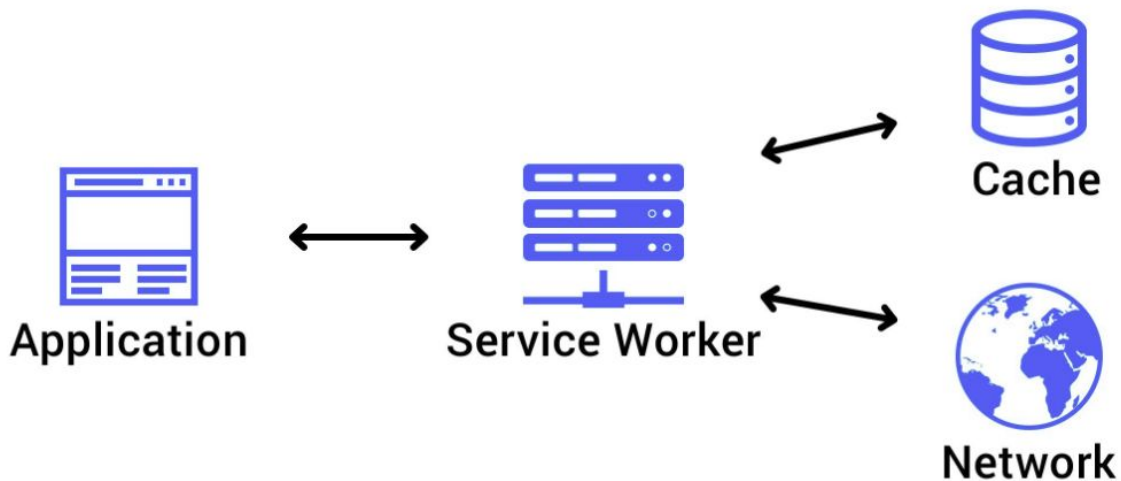

Configuração angular.json

```
"configurations": {  
  "serviceWorker": true,  
  "ngswConfigPath": "src/ngsw-config.json"  
}
```

ngsw-config.json

```
{
  "index": "/index.html",
  "assetGroups": [
    {
      "name": "app",
      "installMode": "prefetch",
      "resources": {
        "files": [
          "/favicon.ico",
          "/index.html",
          "/*.css",
          "/*.js"
        ]
      }
    }
  ]
}
```

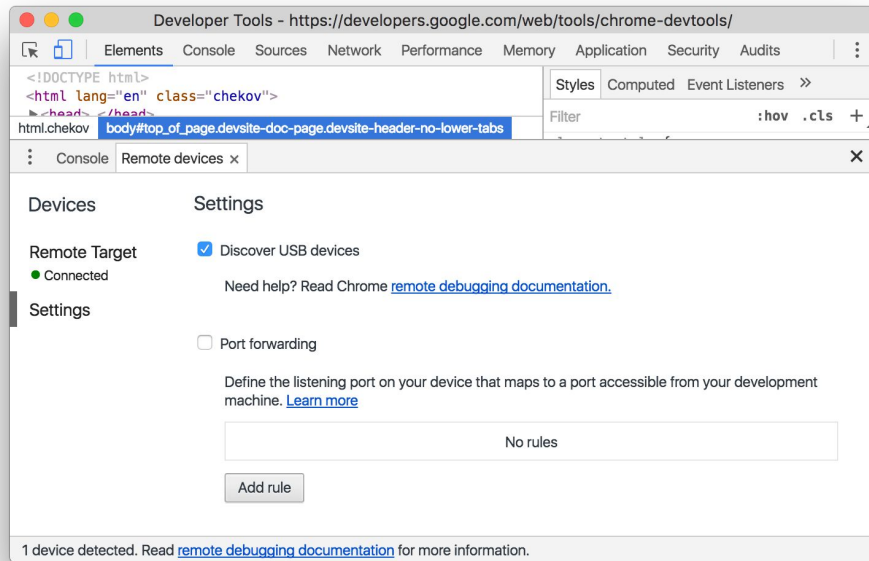
E o service worker, é o que mesmo?



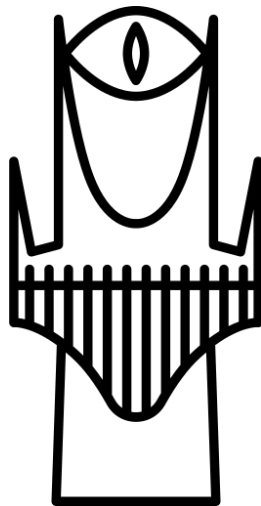
Push notifications

```
subscribeToNotifications() {  
  
  this.swPush.requestSubscription({  
    serverPublicKey: this.VAPID_PUBLIC_KEY  
  })  
  .then(sub => this.http.post('http://localhost:9090/api/subscribe', sub).subscribe())  
  .catch(err => console.error('Could not subscribe to notifications', err));  
}
```

Debuggando com chrome devices



Hands on - PWAs na Prática



Perguntas?