Ionic: Providers

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Providers

- Los providers permiten consumir servicios, REST, http, base de datos, autentificaciones, etc.
- Tenemos bbásicamente 2 tipos, por defecto y los creados por nosotros.

```
ionic g provider miProveedor
```

```
1  import { BrowserModule } from '@angular/platform-browser';
2  import { ErrorHandler, NgModule } from '@angular/core';
3  import { IonicApp, IonicErrorHandler, IonicModule } from 'ionic-angular';
4  import { SplashScreen } from '@ionic-native/splash-screen';
5  import { StatusBar } from '@ionic-native/status-bar';
6
7  import { MyApp } from './app.component';
8  import { HomePage } from '../pages/home/home';
9  import { PokeServiceProvider } from '../providers/poke-service/poke-service';
10 import { HttpClientModule } from '@angular/common/http';
11 import { HttpClient } from '@angular/common/http';
12
13 @NgModule({
14   declarations: [
15     MyApp,
16     HomePage
17   ],
18   imports: [
19     BrowserModule,
20     IonicModule.forRoot(MyApp),
21     HttpClientModule
22   ],
23   bootstrap: [IonicApp],
24   entryComponents: [
25     MyApp,
26     HomePage
27   ],
28   providers: [
29     StatusBar,
30     SplashScreen,
31     {provide: ErrorHandler, useClass: IonicErrorHandler},
32     PokeServiceProvider
33   ]
34 })
35 export class AppModule {}
36
```

Project tree:

```
providerREST
  .git
  .sourcemaps
  node_modules
  platforms
  plugins
  resources
  src
    app
      app.component.ts
      app.html
      app.module.ts
      app.scss
      main.ts
    assets
    pages
    providers
      poke-service
        poke-service.ts
    theme
    index.html
    manifest.json
    service-worker.js
  www
  .editorconfig
  .gitignore
  config.xml
  ionic.config.json
```

providerREST
- .git
- .sourcemaps
- node_modules
- platforms
- plugins
- resources
- src
  - app
    - app.component.ts
    - app.html
    - app.module.ts
    - app.scss
    - main.ts
  - assets
  - pages
  - providers
    - poke-service
      - poke-service.ts
  - theme
  - index.html
  - manifest.json
  - service-worker.js
- www
- .editorconfig
- .gitignore
- config.xml
- ionic.config.json

```typescript
1   import { HttpClient } from '@angular/common/http';
2   import { Injectable } from '@angular/core';
3
4   /*
5     Generated class for the PokeServiceProvider provider.
6
7     See https://angular.io/guide/dependency-injection for more info on providers
8     and Angular DI.
9   */
10  @Injectable()
11  export class PokeServiceProvider {
12
13    constructor(public http: HttpClient) {
14      console.log('Hello PokeServiceProvider Provider');
15    }
16    getPokemones() {
17      return this.http.get('http://pokeapi.co/api/v2/pokemon');
18    }
19  }
20
```