

Dynamic A configuration

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Build time configuration



- → App has to be re-build for each config
- → Built in (file replacement, DI, imports)
- → Easy process.env integration with extra webpack config
- → No runtime "slowdown"



Dynamic configuration



- → Angular has its own mechanics called APP INITIALIZER
- → We can also provide static provider when bootstrapping
- → Simple way to load some data before your app bootstraps
- → It is blocking the app from being rendered

- → Really useful in some situations
 - Fetching app configuration
- → Harmful in some others
 - Waiting for too long or too many requests
 - Doing what could easily be managed during runtime



flowup How to provide APP INITIALIZER

```
1 aNgModule({
   providers: [
 5
         provide: APP_INITIALIZER,
         useFactory: (init: InitService) \Rightarrow () \Rightarrow init.load(),
         multi: true,
         deps: [InitService],
       },
10
11 })
12 export class AppModule {}
```





Initialisation using the config

```
1 @Injectable({ providedIn: 'root' })
 2 export class InitService {
    constructor(private store: Store<State>, private http: HttpClient,) {}
    async load(): Promise<Config> {
      return this.http.get<Config>('/config').pipe(
         tap(config ⇒ this.initApolloClient(config)),
        tap(config ⇒ this.store.dispatch(storeConfigAction(config))),
       ).toPromise());
10
11
12
    async initApolloClient(config: Config): Promise<void> {
13
      this.apollo.setClient(new AWSAppSyncClient(config));
      return client.hydrated();
15
16
17 }
```





Providing fetched config before bootstrap

```
2 fetch('/assets/config.json').then(async (response: Response) \Rightarrow {
     const config: Config = await response.json();
     // environment.config = config;
     return platformBrowserDynamic([
 6
         provide: USE DOMAIN,
 8
         useValue: config.domain,
 9
     ])
10
       .bootstrapModule(AppModule).catch(err \Rightarrow console.error(err));
12 });
```



A

Choose the right setup

Don't wait with bootstrap if not necessary



flow^{up}

Q&A

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