

Criando aplicações usando AngularJS e Firebase








Objetivos



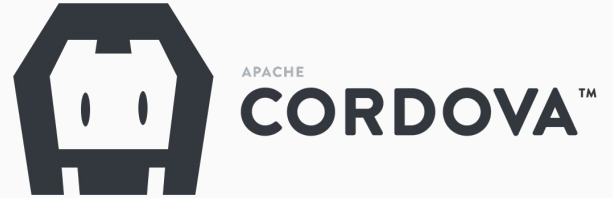
- Visão geral (Muita abstração)
- Foco nas partes mais interessantes
 - Real time database
 - Authentication
 - Storage
- Template no github
 - SPA
 - Setup de conexão com o firebase app

About



- Graduando em Ciência da Computação pela UFAL
- Laboratório de computação móvel e pervasiva IC/UFAL
- Tribunal de Contas do estado de Alagoas
- BlackBerry Tech Center
- Justiça Federal em Alagoas 
- QuantoGastei   CORDOVA
- Stebam   Firebase

Stack



AngularJS - Versões



Angular 1

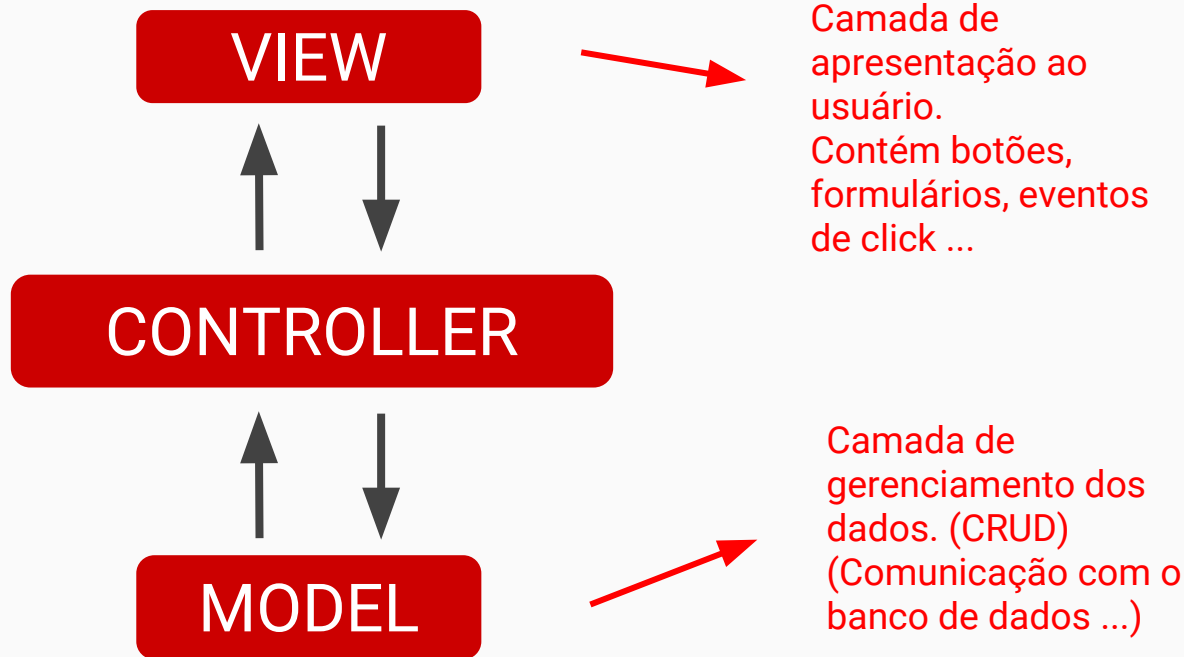


Angular 2

AngularJS - Requisitos



AngularJS - Requisitos

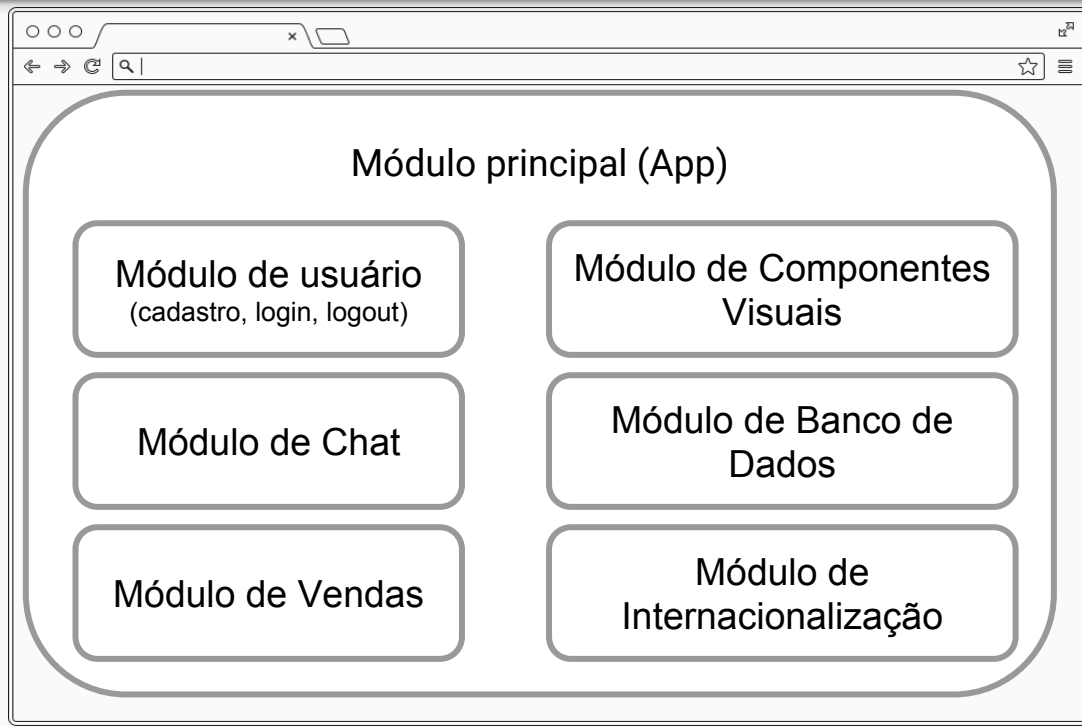




AngularJS

- Base para um app
 - Ferramentas
- Define um padrão arquitetural
 - Desenvolvimento em paralelo
 - Manutenção
- Ensina novos truques ao HTML
 - Comportamentos
 - Componentes

AngularJS - Módulos



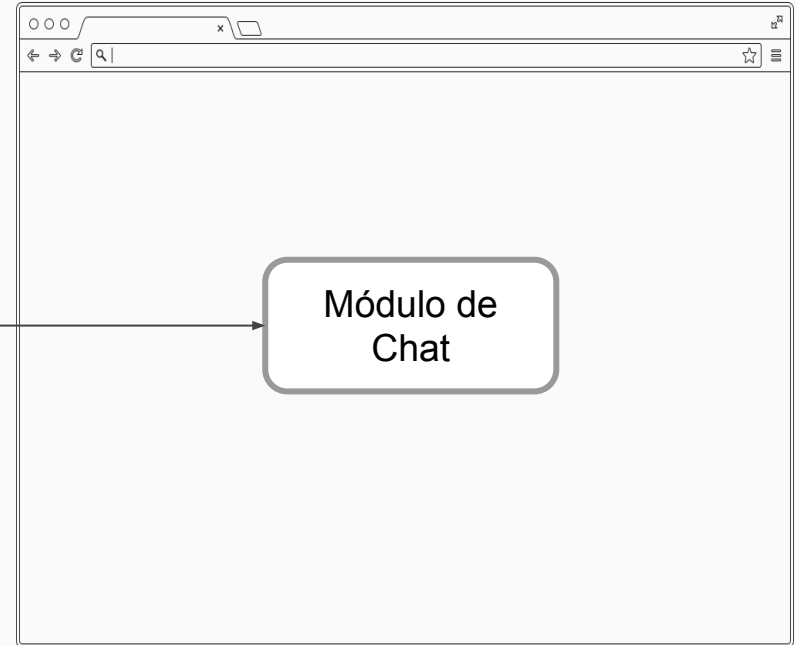
AngularJS - Módulos



App1



App2





AngularJS - Módulos

Comunidade é Compartilhamento





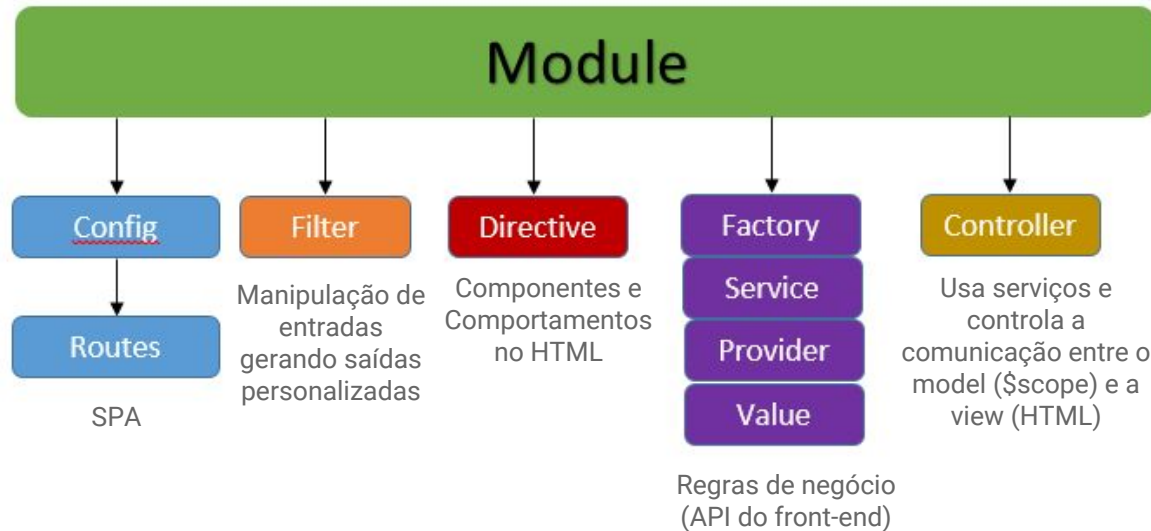
AngularJS - Módulos

Desenvolvimento Paralelo





AngularJS - Módulos

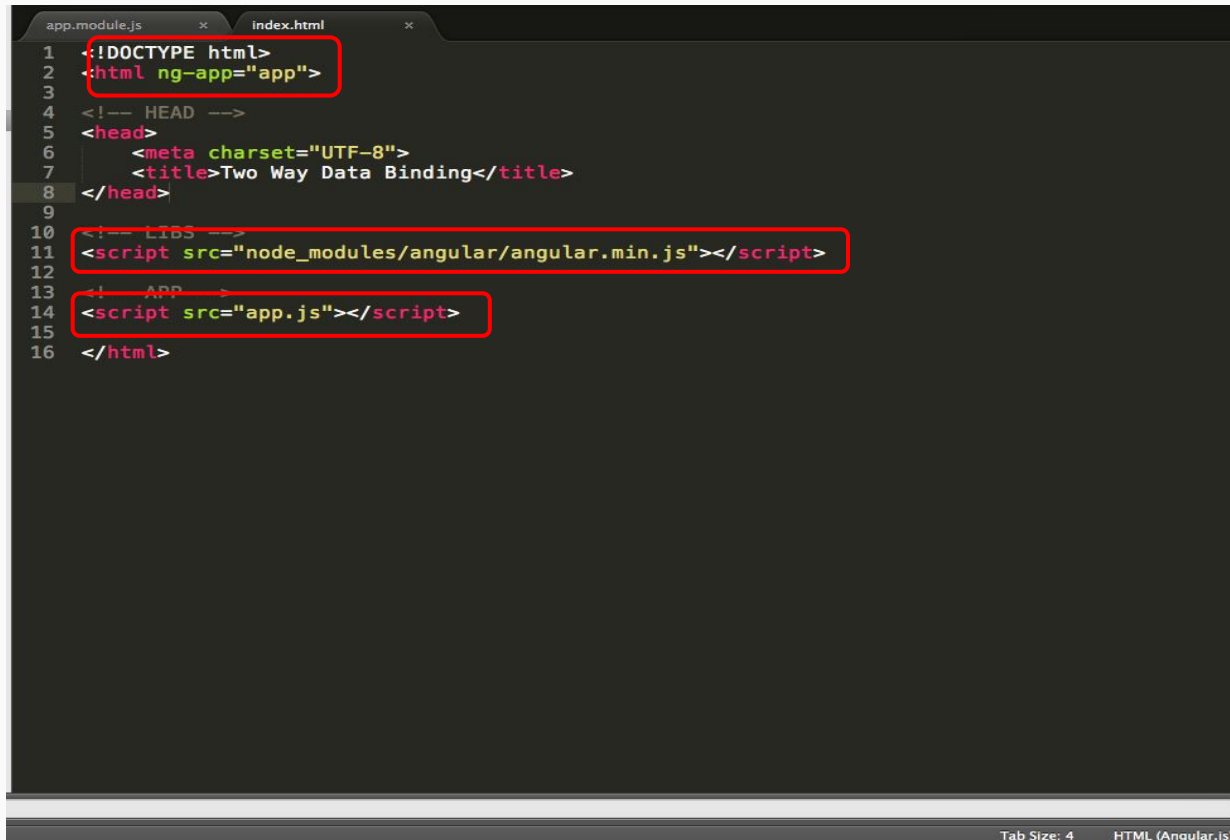




AngularJS - SETUP

- Criar um diretório para o app
- Criar o *index.html*
- Baixar a lib *angular.js*
 - <https://angularjs.org>
 - <https://github.com/angular/angular.js>
 - **npm** install angularjs
- Incluir a lib *angular.js* no *index.html*
- Criar o módulo principal
- Informar o módulo principal (ng-app) no *index.html*

AngularJS - SETUP



```
1  <!DOCTYPE html>
2  <html ng-app="app">
3
4  <!-- HEAD -->
5  <head>
6    <meta charset="UTF-8">
7    <title>Two Way Data Binding</title>
8  </head>
9
10 <!-- LIBS -->
11 <script src="node_modules/angular/angular.min.js"></script>
12
13 <!-- APP -->
14 <script src="app.js"></script>
15
16 </html>
```

Tab Size: 4 HTML (Angular.js)

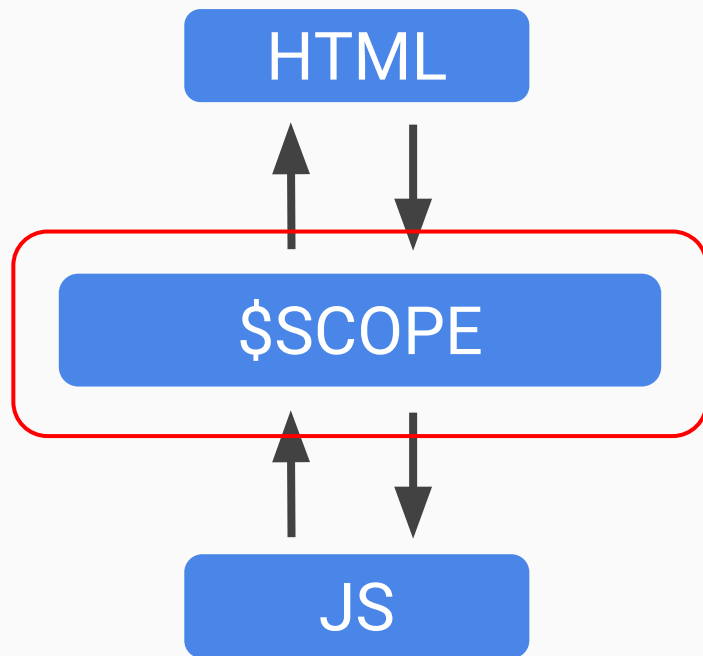
AngularJS - SETUP

```
app.module.js
1 // APP MODULE
2 angular.module('app', [])
3
4 // CONFIG
5 .config([function () {
6   })
7
8 // FILTER
9 .filter('filterName', [function(){
10   }])
11
12 // DIRECTIVE
13 .directive('directiveName', [function () {
14   }])
15
16 // SERVICE
17 .factory('serviceName', [function () {
18   }])
19
20 // CONTROLLER
21 .controller('', ['$scope', function ($scope) {
22   }])
23
24
```



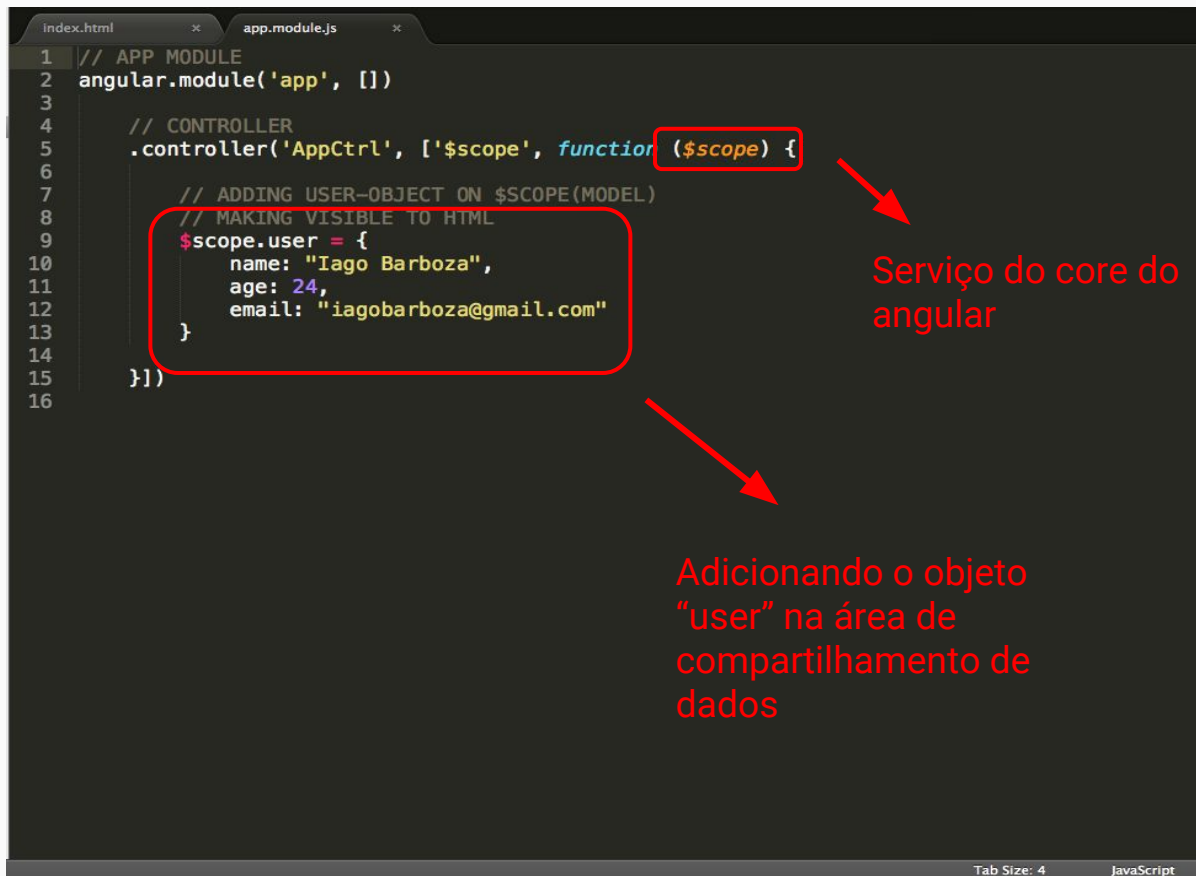

AngularJS - Two Way Data Binding

Área de
compartilhamento
de objetos, arrays ...



Acessada via “{{ }}”
pelo html e via
\$scope pelo JS

AngularJS - Two Way Data Binding



The image shows a code editor with two tabs: 'index.html' and 'app.module.js'. The 'app.module.js' tab is active, displaying the following code:

```
1 // APP MODULE
2 angular.module('app', [])
3
4 // CONTROLLER
5 .controller('AppCtrl', ['$scope', function ($scope) {
6
7     // ADDING USER-OBJECT ON $SCOPE(MODEL)
8     // MAKING VISIBLE TO HTML
9     $scope.user = {
10         name: "Iago Barboza",
11         age: 24,
12         email: "iagobarboza@gmail.com"
13     }
14
15 }])
16
```

Two red annotations are present:

- A red box highlights the `$scope` parameter in the controller function signature `function ($scope) {`. A red arrow points from this box to the text "Serviço do core do angular".
- A red box highlights the `$scope.user` object assignment. A red arrow points from this box to the text "Adicionando o objeto 'user' na área de compartilhamento de dados".

Tab Size: 4 JavaScript

AngularJS - Two Way Data Binding

```
index.html
1 <!DOCTYPE html>
2 <html ng-app="app">
3
4 <!-- HEAD -->
5 <head>
6   <meta charset="UTF-8">
7   <title>Angular-Firebase Web App</title>
8 </head>
9
10 <!-- BODY -->
11 <body ng-controller="AppCtrl">
12   <p>Name: {{user.name}}</p>
13   <p>Age: {{user.age}}</p>
14   <p>Email: {{user.email}}</p>
15   <input type="text" ng-model="user.name" placeholder="NAME">
16   <input type="text" ng-model="user.age" placeholder="AGE">
17   <input type="email" ng-model="user.email" placeholder="EMAIL">
18 </body>
19
20 <!-- LIBS -->
21 <script src="node_modules/angular/angular.min.js"></script>
22
23 <!-- MODULES -->
24 <script src="app_modules/app/app.module.js"></script>
25
26 </html>
```

Região onde os dados do \$scope do AppCtrl podem ser acessados via "{{ }}"

AngularJS - Two Way Data Binding

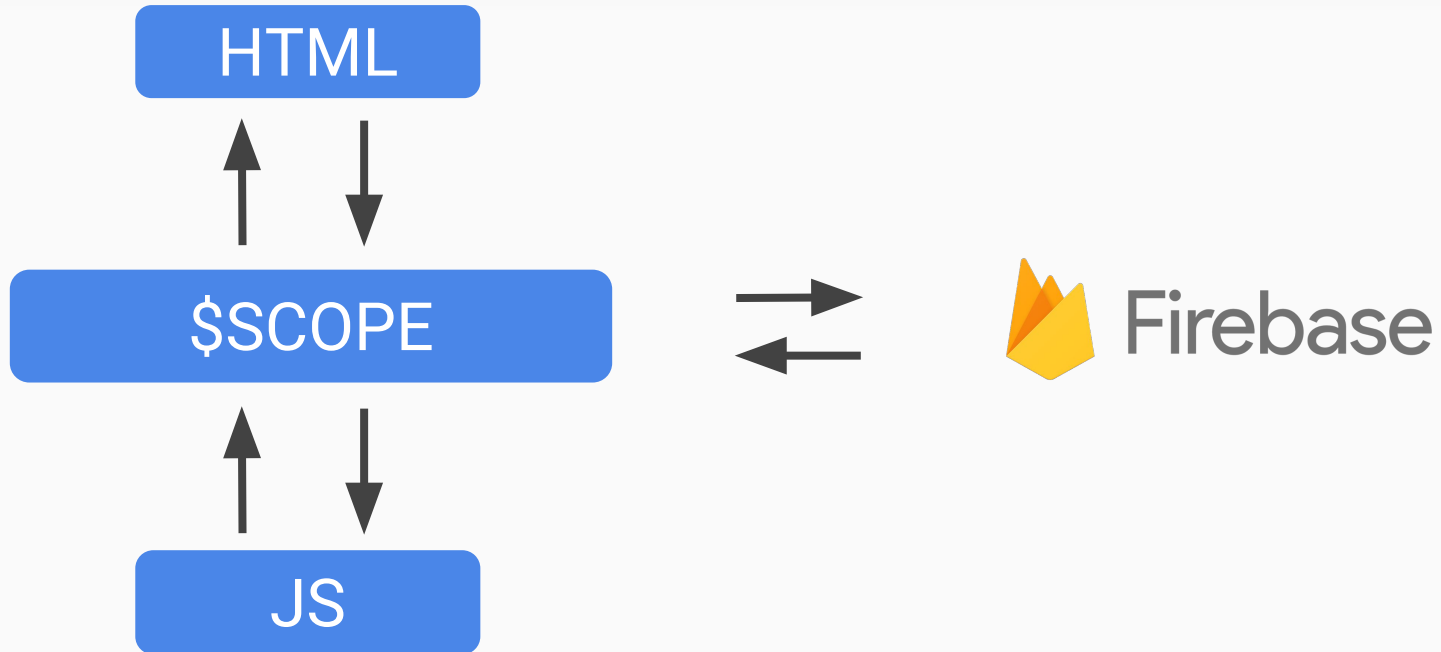


DEMO

Three Way Data Binding



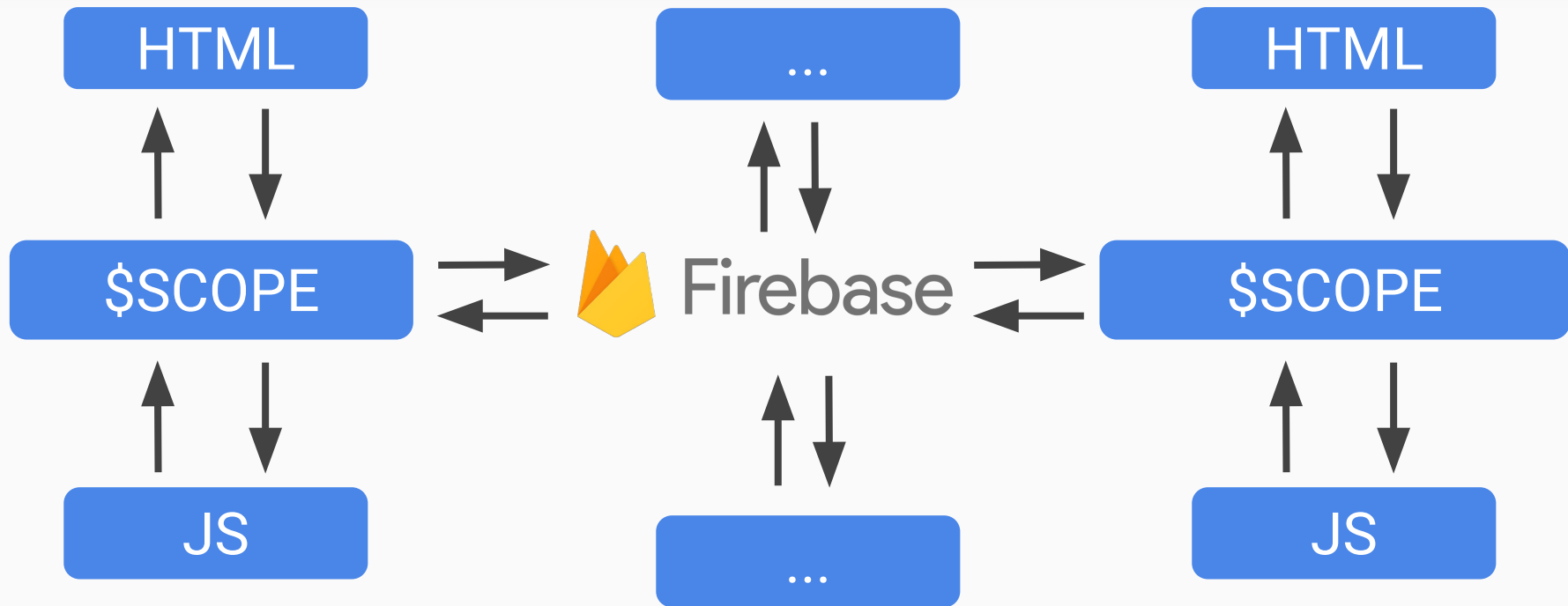
Firebase



N Way Data Binding



Firestore





Firebase - Backend Services



- Autenticação (email, facebook, google, twitter, github)
- Real Time Database
- Storage
- Hosting
- ...

Firebase - Setup


 **Firebase**

Ir para a documentação 


Bem-vindo ao Firebase


Continue a construir seus aplicativos com o Firebase usando alguns dos recursos abaixo.

[Documentação](#) [Exemplo de código](#) [Referência da API](#) [Suporte](#)



Seus projetos que usam o Firebase

congrApp
 congrapp-c1747.firebaseio.com

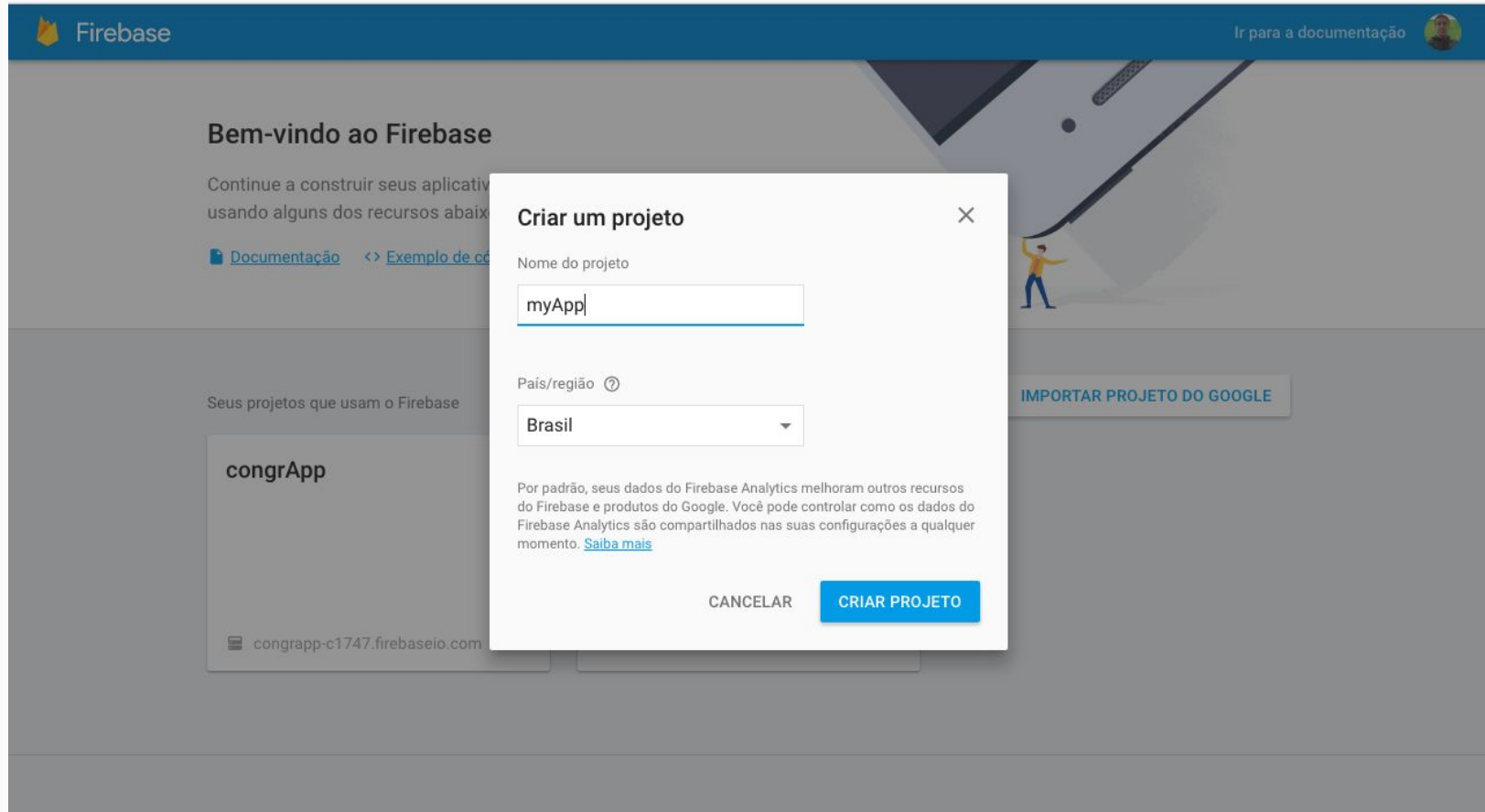
FireChat
 devfestchat-e108e.firebaseio.com

criar novo projeto

importar projeto do google

Waiting for stats.g.doubleclick.net...

Firebase - Setup



The screenshot shows the Firebase console interface. At the top, there's a dark blue header with the Firebase logo and the text "Ir para a documentação" with a user profile icon. The main content area has a light gray background with a large illustration of a person climbing a structure. A modal dialog box titled "Criar um projeto" is centered on the screen. It contains a text input field for "Nome do projeto" with the value "myApp", a dropdown menu for "País/região" with "Brasil" selected, and a "CRIAR PROJETO" button. Below the dropdown, there is a paragraph of text about Firebase Analytics data sharing and a "Saiba mais" link. At the bottom of the dialog are "CANCELAR" and "CRIAR PROJETO" buttons. In the background, the "Bem-vindo ao Firebase" section is visible, along with a list of projects including "congrApp" and "congrapp-c1747.firebaseio.com".

Bem-vindo ao Firebase

Continue a construir seus aplicativos usando alguns dos recursos abaixo:

[Documentação](#) < > [Exemplo de código](#)

Seus projetos que usam o Firebase

congrApp

[congrapp-c1747.firebaseio.com](#)

IMPORTAR PROJETO DO GOOGLE

Criar um projeto

Nome do projeto

myApp


País/região ?


Brasil




Por padrão, seus dados do Firebase Analytics melhoram outros recursos do Firebase e produtos do Google. Você pode controlar como os dados do Firebase Analytics são compartilhados nas suas configurações a qualquer momento. [Saiba mais](#)


CANCELAR CRIAR PROJETO

Firebase - Console


 **Firebase**


myApp ▾ Ir para a documentação 


 myApp  Overview 


 Analytics


DEVELOP


 Authentication

 Database


 Storage


 Hosting


 Test Lab

 Crash Reporting

GROW

 Notifications


 Remote Config


 Dynamic Links


EARN

Spark
Free \$0/month [FAZER UPGRADE](#)




Bem-vindo ao Firebase! Comece aqui.


Adicionar o
Firebase ao seu
aplicativo iOS



Adicionar o
Firebase ao seu
aplicativo
Android



Adicionar o
Firebase ao seu
app da Web




Descubra o Firebase




Firebase - Console


 **Firebase**


myApp ▾ Ir para a documentação 


 myApp  Overview 


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Bem-vindo ao Firebase! Comece aqui.


Adicionar o
Firebase ao seu
aplicativo iOS


Adicionar o
Firebase ao seu
aplicativo
Android


Adicionar o
Firebase ao seu
app da Web

Descubra o Firebase



Firebase - Database

The screenshot displays the Firebase Realtime Database interface. On the left is a sidebar with navigation links for various Firebase services. The main area shows the 'Realtime Database' for 'myApp', with tabs for 'DADOS', 'REGRAS', 'USO', and 'BACKUPS'. The 'DADOS' tab is active, showing a JSON tree structure for the 'users' collection. The tree contains three user entries, each with 'age', 'email', and 'name' fields. The first entry has an age of 24, the second has an age of 20, and the third has an age of 15. The interface is in Portuguese.

Navigation Sidebar:

- myApp
- Analytics
- DEVELOP
- Authentication
- Database
- Storage
- Hosting
- Test Lab
- Crash Reporting
- GROW
- Notifications
- Remote Config
- Dynamic Links
- EARN
- Spark Free \$0/month **FAZER UPGRADE**

Realtime Database Header: myApp Ir para a documentação

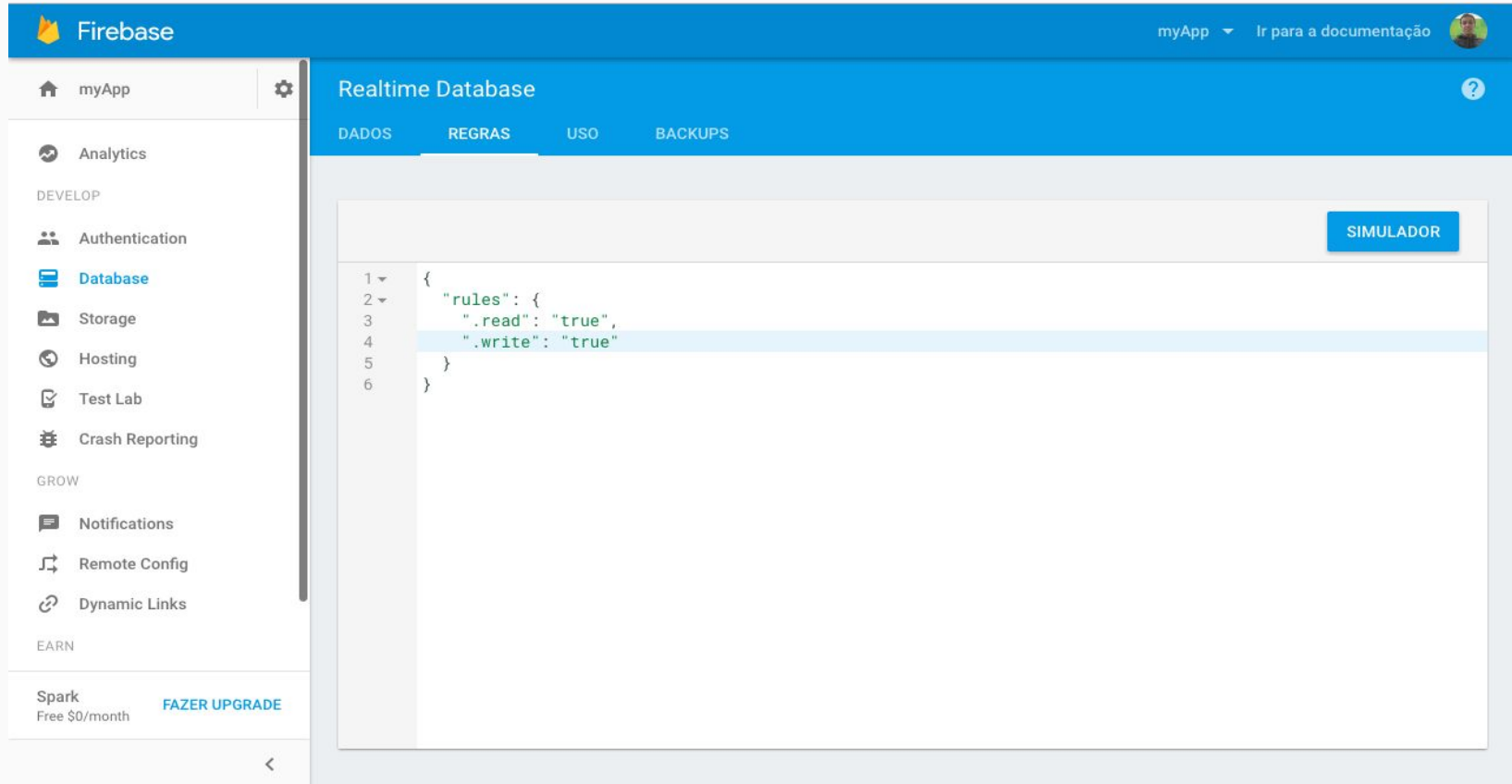
Database Tabs: DADOS REGRAS USO BACKUPS

Database URL: https://myapp-9169f.firebaseio.com/

JSON Tree Structure:

```
myapp-9169f
├── users
│   ├── xgdSd173da3dK3oUUw16
│   │   ├── age: 24
│   │   ├── email: "iagobarboza@gmail.com"
│   │   └── name: "Iago Barboza"
│   ├── ygdSd173dda2K3oUUw16
│   │   ├── age: 20
│   │   ├── email: "fulano@gmail.com"
│   │   └── name: "Fulano"
│   └── zgdSd173da3dK3oUUw16
│       ├── age: 15
│       ├── email: "zezinho@gmail.com"
│       └── name: "Zezinho"
```

Firebase - Database



The screenshot displays the Firebase Realtime Database console. The left sidebar contains a navigation menu with icons and labels for various services: myApp, Analytics, DEVELOP, Authentication, Database (highlighted), Storage, Hosting, Test Lab, Crash Reporting, GROW, Notifications, Remote Config, Dynamic Links, and EARN. At the bottom of the sidebar, the 'Spark' plan is shown as 'Free \$0/month' with a 'FAZER UPGRADE' link. The main header is blue and includes the Firebase logo, the app name 'myApp', a link to documentation, and a user profile icon. Below the header, the 'Realtime Database' section is active, with tabs for 'DADOS', 'REGRAS' (selected), 'USO', and 'BACKUPS'. The 'REGRAS' tab shows a code editor with the following JSON rules:

```
1 {  
2   "rules": {  
3     ".read": "true",  
4     ".write": "true"  
5   }  
6 }
```

A 'SIMULADOR' button is located in the top right corner of the rules editor area.

SETUP



Firebase

- Inserir a lib ***firebase.js*** no ***index.html***
- Inserir o ***script de conexão*** do web-app com o **firebase-app**

Firebase - Console

The screenshot shows the Firebase Console interface. At the top, the header bar is blue with the Firebase logo on the left, the text "myApp" with a dropdown arrow in the center, and a link "Ir para a documentação" with a user profile icon on the right. Below the header, a left sidebar contains a list of services: Analytics, Authentication, Database, Storage, Hosting, Test Lab, Crash Reporting, Notifications, Remote Config, and Dynamic Links. The main content area is titled "Overview" and features a welcome message "Bem-vindo ao Firebase! Comece aqui." followed by three large circular buttons. The first button is blue with the "iOS" logo and the text "Adicionar o Firebase ao seu aplicativo iOS". The second button is green with the Android logo and the text "Adicionar o Firebase ao seu aplicativo Android". The third button is purple with a code icon "</>" and the text "Adicionar o Firebase ao seu app da Web"; this button is highlighted with a red rounded rectangle. At the bottom of the console, there is a section titled "Descubra o Firebase" with three illustrative images: a person working on a laptop, a person with a lanyard and ID badge, and a server rack.

myApp Ir para a documentação

Overview

Bem-vindo ao Firebase! Comece aqui.

iOS

Adicionar o Firebase ao seu aplicativo iOS

Adicionar o Firebase ao seu aplicativo Android

</>

Adicionar o Firebase ao seu app da Web

Descubra o Firebase

Spark Free \$0/month FAZER UPGRADE

Setup

The screenshot shows the Firebase console interface. On the left is a sidebar with navigation links: myApp, Analytics, DEVELOP (Authentication, Database, Storage, Hosting, Test Lab, Crash Reporting), GROW (Notifications, Remote Config, Dynamic Links), and EARN (Spark). The main area is titled 'Overview'. A modal dialog is open in the center with the title 'Adicionar o Firebase ao seu aplicativo da Web'. It contains instructions to copy and paste a script snippet into the HTML. The snippet is a JavaScript code block that initializes the Firebase SDK with specific configuration values. A 'COPIAR' button is located at the bottom right of the dialog. Below the code, there are three links: 'Get Started with Firebase for Web Apps', 'Firebase Web SDK API Reference', and 'Firebase Web Samples'. The background of the console shows a banner with illustrations of a person at a laptop, a document, and server racks.

myApp Ir para a documentação

Overview

Adicionar o Firebase ao seu aplicativo da Web

Copie e cole o snippet abaixo na parte inferior do seu HTML, antes de outras tags de script.

```
<script src="https://www.gstatic.com/firebasejs/3.5.1/firebase.js"></script>
<script>
  // Initialize Firebase
  var config = {
    apiKey: "AIzaSyBnT0rr24NwIYf4_3bd1cA42R9J9_XLb_8",
    authDomain: "myapp-9169f.firebaseio.com",
    databaseURL: "https://myapp-9169f.firebaseio.com",
    storageBucket: "myapp-9169f.appspot.com",
    messagingSenderId: "298579300814"
  };
  firebase.initializeApp(config);
</script>
```

COPIAR

Veja estes recursos para saber mais sobre o Firebase para aplicativos para dispositivos móveis:

- [Get Started with Firebase for Web Apps](#)
- [Firebase Web SDK API Reference](#)
- [Firebase Web Samples](#)

Spark Free \$0/month FAZER UPGRADE

SETUP



Firebase

- Baixar o módulo do firebase (angular-fire.js)
 - Github
 - NPM
 - ...
- Inserir o ***angular-fire.js*** no ***index.html***
- Inserir o módulo ***angular-fire*** no módulo ***app***

AngularFire



Firebase



AngularFire

by  Firebase

`$firebaseObject`

`$firebaseArray`

`$firebaseAuth`

`firebase.database().ref()`

`firebase.auth()`

```
1 <!DOCTYPE html>
2 <html ng-app="app">
3
4 <!-- HEAD -->
5 <head>
6   <meta charset="UTF-8">
7   <title>Three Way Data Binding</title>
8 </head>
9
10 <!-- FIREBASE -->
11 <script src="https://www.gstatic.com/firebasejs/3.5.1/firebase.js"></script>
12
13 <!-- FIREBASE APP CONNECTION -->
14 <script>
15   // Initialize Firebase
16   var config = {
17     apiKey: "AIzaSyBnT0rr24NwIYf4_3bd1cA42R9J9_XLb_8",
18     authDomain: "myapp-9169f.firebaseio.com",
19     databaseURL: "https://myapp-9169f.firebaseio.com",
20     storageBucket: "myapp-9169f.appspot.com",
21     messagingSenderId: "298579300814"
22   };
23   firebase.initializeApp(config);
24 </script>
25 <!-- ANGULAR -->
26 <script src="node_modules/angular/angular.min.js"></script>
27 <!-- ANGULAR FIRE -->
28 <script src="node_modules/angularfire/dist/angularfire.min.js"></script>
29 <!-- APP -->
30 <script src="app.js"></script>
31
32 <!-- BODY -->
33 <body ng-controller="AppCtrl">
34   <h1>USER</h1>
35   <p>Name: {{user.name}}</p>
36   <p>Age: {{user.age}}</p>
37   <p>Email: {{user.email}}</p>
38   <input type="text" ng-model="user.name" placeholder="NAME">
39   <input type="text" ng-model="user.age" placeholder="AGE">
40   <input type="email" ng-model="user.email" placeholder="EMAIL">
41
42   <h1>USERS</h1>
43   <div ng-repeat='user in users'>
44     <hr>
45     <p>Name: {{user.name}}</p>
46     <p>Age: {{user.age}}</p>
47     <p>Email: {{user.email}}</p>
48   </div>
49 </body>
50
```

Firebase + Angular Setup

```
index.html × app.js ×
1 // APP MODULE
2 angular.module('app', ['firebase']) → angular-fire
3
4 // CONTROLLER
5 .controller('AppCtrl', ['$scope', '$firebaseObject', '$firebaseArray', function ($scope, $firebaseObject, $firebaseArray) {
6
7     // USER
8     var user = $firebaseObject(firebase.database().ref('users/xgdSd173da3dK3oUUw16'));
9     user.$loaded(function(){
10         user.$bindTo($scope, 'user');
11     });
12
13     // USERS
14     $scope.users = $firebaseArray(firebase.database().ref('users'));
15
16 })
17
```


AngularJS - Three Way Data Binding






DEMO


FIREBASE - DB

Authentication - Email and Password


 **Firebase**


myApp ▾ Ir para a documentação 


 myApp 


 Analytics


DEVELOP


 **Authentication**

 Database


 Storage


 Hosting


 Test Lab

 Crash Reporting

GROW

 Notifications

 Remote Config

 Dynamic Links







EARN

Spark
Free \$0/month [FAZER UPGRADE](#)

Authentication CONFIGURAÇÃO DA WEB ?

USUÁRIOS MÉTODO DE LOGIN MODELOS DE E-MAIL

Provedores de login

Provedor	Status
 E-mail/senha	<div>Ativar <input checked="" type="checkbox"/></div> <p>Permite que os usuários se inscrevam usando o endereço de e-mail e a senha deles. Nossos SDKs também oferecem verificação de endereço de e-mail, recuperação de senha e primitivos de alteração de endereço de e-mail. Saiba mais </p> <div>CANCELAR SALVAR</div>
 Google	Desativado
 Facebook	Ativado
 Twitter	Desativado
 GitHub	Desativado

Authentication - Criando usuário com Email e Senha

```
index.html — 06-storage x app.js x index.html — 04-sign-in-with-email-and-password x index.html — 03-create-user-with-email-and-password x
1 <!DOCTYPE html>
2 <html ng-app="app">
3
4 <!-- HEAD -->
5 <head>
6   <meta charset="UTF-8">
7   <title>Create user with email and password</title>
8 </head>
9
10 <!-- FIREBASE-->
11 <script src="https://www.gstatic.com/firebasejs/3.5.1/firebase.js"></script>
12
13 <!-- FIREBASE APP CONNECTION -->
14 <script>
15   // Initialize Firebase
16   var config = {
17     apiKey: "AIzaSyBnT0rr24NwIYf4_3bd1cA42R9J9_XLb_8",
18     authDomain: "myapp-9169f.firebaseio.com",
19     databaseURL: "https://myapp-9169f.firebaseio.com",
20     storageBucket: "myapp-9169f.appspot.com",
21     messagingSenderId: "298579300814"
22   };
23   firebase.initializeApp(config);
24 </script>
25
26 <!-- ANGULAR -->
27 <script src="node_modules/angular/angular.min.js"></script>
28
29 <!-- ANGULAR FIRE -->
30 <script src="node_modules/angularfire/dist/angularfire.min.js"></script>
31
32 <!-- APP -->
33 <script src="app.js"></script>
34
35 <!-- BODY -->
36 <body ng-controller="AppCtrl">
37
38 </body>
39
40 </html>
```

Tab Size: 4 HTML (Angular.js)

Authentication - Criando usuário com Email e Senha

```
app.js — 03-create-us × app.js — 05-sign-in-v × app.js — 04-sign-in-v × index.html — 03-crea × index.html — 04-sign × index.html — 05-sign ×
1 // APP MODULE
2 angular.module('app', ['firebase'])
3
4 // CONTROLLER
5 .controller('AppCtrl', ['$scope', '$firebaseAuth', function ($scope, $firebaseAuth) {
6     var auth = $firebaseAuth(firebase.auth());
7
8     // CREATE USER WITH EMAIL AND PASSWORD
9     auth.$createUserWithEmailAndPassword('iagobarboza@gmail.com', '123456').then(
10         // SUCCESS CALLBACK
11         function(response){
12             console.log(response);
13         },
14         // ERROR CALLBACK
15         function(error)
16         {
17             console.log(error.message)
18         }
19     );
20 }])
21
```

Tab Size: 4 JavaScript



Firestore

Criando usuário com email e senha

DEMO

FIREBASE - AUTH

Authentication - Login do usuário com Email e Senha

```
Index.html — 06-storage x app.js x Index.html — 04-sign-in-with-email-and-password x
1 <!DOCTYPE html>
2 <html ng-app="app">
3
4 <!-- HEAD -->
5 <head>
6   <meta charset="UTF-8">
7   <title>Sign In with email and password</title>
8 </head>
9
10 <!-- FIREBASE-->
11 <script src="https://www.gstatic.com/firebasejs/3.5.1/firebase.js"></script>
12
13 <!-- FIREBASE APP CONNECTION -->
14 <script>
15   // Initialize Firebase
16   var config = {
17     apiKey: "AIzaSyBnT0rr24NwIYf4_3bd1cA42R9J9_XLb_8",
18     authDomain: "myapp-9169f.firebaseio.com",
19     databaseURL: "https://myapp-9169f.firebaseio.com",
20     storageBucket: "myapp-9169f.appspot.com",
21     messagingSenderId: "298579300814"
22   };
23   firebase.initializeApp(config);
24 </script>
25
26 <!-- ANGULAR -->
27 <script src="node_modules/angular/angular.min.js"></script>
28
29 <!-- ANGULAR FIRE -->
30 <script src="node_modules/angularfire/dist/angularfire.min.js"></script>
31
32 <!-- APP -->
33 <script src="app.js"></script>
34
35 <!-- BODY -->
36 <body ng-controller="AppCtrl">
37
38 </body>
39
40 </html>
```

Authentication - Login do usuário com Email e Senha

```
app.js
1 // APP MODULE
2 angular.module('app', ['firebase'])
3
4 // CONTROLLER
5 .controller('AppCtrl', ['$scope', '$firebaseAuth', function ($scope, $firebaseAuth) {
6     var auth = $firebaseAuth(firebase.auth());
7
8     // CREATE USER WITH EMAIL AND PASSWORD
9     auth.$signInWithEmailAndPassword('iagobarboza@gmail.com', '123456').then(
10         // SUCCESS CALLBACK
11         function(response){
12             console.log(response);
13         },
14         // ERROR CALLBACK
15         function(error)
16         {
17             console.log(error.message)
18         }
19     );
20 })
21
```



Firebase

Login do usuário com email e senha

DEMO

FIREBASE - AUTH

Authentication - Login do usuário com facebook

```
1 <!DOCTYPE html>
2 <html ng-app="app">
3
4 <!-- HEAD -->
5 <head>
6   <meta charset="UTF-8">
7   <title>Sign In with Facebook</title>
8 </head>
9
10 <!-- FIREBASE-->
11 <script src="https://www.gstatic.com/firebasejs/3.5.1/firebase.js"></script>
12
13 <!-- FIREBASE APP CONECTION -->
14 <script>
15   // Initialize Firebase
16   var config = {
17     apiKey: "AIzaSyBnT0rr24NwIYf4_3bd1cA42R9J9_XLb_8",
18     authDomain: "myapp-9169f.firebaseio.com",
19     databaseURL: "https://myapp-9169f.firebaseio.com",
20     storageBucket: "myapp-9169f.appspot.com",
21     messagingSenderId: "298579300814"
22   };
23   firebase.initializeApp(config);
24 </script>
25
26 <!-- ANGULAR -->
27 <script src="node_modules/angular/angular.min.js"></script>
28
29 <!-- ANGULAR FIRE -->
30 <script src="node_modules/angularfire/dist/angularfire.min.js"></script>
31
32 <!-- APP -->
33 <script src="app.js"></script>
34
35 <!-- BODY -->
36 <body ng-controller="AppCtrl">
37
38 </body>
39
40 </html>
```

Authentication - Login do usuário com facebook

```
app.js — 05-sign-in-with-fa x  app.js — 04-sign-in-with-e x  index.html — 03-create-use x  index.html — 04-sign-in-wi x  index.html — 05-sign-in-wi x
1  // APP MODULE
2  angular.module('app', ['firebase'])
3
4  // CONTROLLER
5  .controller('AppCtrl', ['$scope', '$firebaseAuth', function ($scope, $firebaseAuth) {
6    var auth = $firebaseAuth(firebase.auth());
7
8    // FACEBOOK LOGIN
9    var fbProvider = new firebase.auth.FacebookAuthProvider();
10    auth.$signInWithPopup(fbProvider);
11    firebase.auth().signInWithPopup(fbProvider).then(function(result) {
12      console.log(result);
13    })
14    .catch(function(error) {
15      console.log(error);
16    });
17  }]);
18
```

Tab Size: 4 JavaScript




firebase


Login do usuário com facebook



DEMO


FIREBASE - AUTH

Storage


 **Firebase**


myApp ▾ Ir para a documentação 


 myApp 


 Analytics


DEVELOP


 Authentication

 Database


 **Storage**


 Hosting


 Test Lab

 Crash Reporting

GROW


 Notifications


 Remote Config

 Dynamic Links




EARN


Spark
Free \$0/month [FAZER UPGRADE](#)



Storage 

ARQUIVOS REGRAS

gs://myapp-9169f.appspot.com  **FAZER UPLOAD DE ARQUIVO**  

<input type="checkbox"/>	Nome	Tamanho	Tipo	Última modificação
<div><p>Armazenar e recuperar arquivos gerados pelo usuário, como imagens, áudio e vídeos, sem o código do lado do servidor</p>Saiba mais</div>				

Storage

The screenshot displays the Firebase console interface for a project named 'myApp'. The left sidebar contains a navigation menu with various services: Analytics, Database, Storage (highlighted in blue), Hosting, Test Lab, Crash Reporting, Notifications, Remote Config, and Dynamic Links. At the bottom of the sidebar, there is a 'Spark' section indicating 'Free \$0/month' and a 'FAZER UPGRADE' button. The main content area is titled 'Storage' and has two tabs: 'ARQUIVOS' and 'REGRAS' (selected). The 'REGRAS' tab shows a code editor with the following default security rules:

```
1  service firebase.storage {  
2    match /b/myapp-9169f.appspot.com/o {  
3      match /{allPaths=**} {  
4        allow read, write;  
5      }  
6    }  
7  }  
8
```

The top right of the console shows the project name 'myApp', a link to 'Ir para a documentação' (Go to documentation), and a user profile icon.

```
1 <!DOCTYPE html>
2 <html ng-app="app">
3
4 <!-- HEAD -->
5 <head>
6   <meta charset="UTF-8">
7   <title>Storage</title>
8 </head>
9
10 <!-- FIREBASE -->
11 <script src="https://www.gstatic.com/firebasejs/3.5.1/firebase.js"></script>
12
13 <!-- FIREBASE APP CONNECTION -->
14 <script>
15   // Initialize Firebase
16   var config = {
17     apiKey: "AIzaSyBnT0rr24NwIYf4_3bd1cA42R9J9_XLb_8",
18     authDomain: "myapp-9169f.firebaseio.com",
19     databaseURL: "https://myapp-9169f.firebaseio.com",
20     storageBucket: "myapp-9169f.appspot.com",
21     messagingSenderId: "298579300814"
22   };
23   firebase.initializeApp(config);
24 </script>
25
26 <!-- ANGULAR -->
27 <script src="node_modules/angular/angular.min.js"></script>
28
29 <!-- ANGULAR FIRE -->
30 <script src="node_modules/angularfire/dist/angularfire.min.js"></script>
31
32 <!-- APP -->
33 <script src="app.js"></script>
34
35 <!-- BODY -->
36 <body ng-controller="AppCtrl">
37   <!-- FILE INPUT -->
38   <input type="file" onchange="angular.element(this).scope().setFile(this)">
39   <!-- UPLOAD BUTTON -->
40   <button ng-click="upload()">UPLOAD</button>
41 </body>
42
43 </html>
```

```
9
10 // FILE DOWNLOAD
11 storageRef.child('image.png').getDownloadURL().then(function(url) {
12     console.log(url);
13 })
14 .catch(function(error) {
15     console.log(error);
16 });
17
18 // FILE UPLOAD
19
20 var metadata = {
21     contentType: 'image/png'
22 };
23
24 $scope.setFile = function(element){
25     $scope.file = element.files[0];
26 }
27
28 $scope.upload = function(){
29     var uploadTask = storageRef.child('').put($scope.file, metadata);
30     uploadTask.on(firebase.storage.TaskEvent.STATE_CHANGED,
31         // UPLOAD RUNNING
32         function(snapshot) {
33             var progress = (snapshot.bytesTransferred / snapshot.totalBytes) * 100;
34             console.log('Upload is ' + progress + '% done');
35         },
36         // UPLOAD ERROR
37         function(error) {
38             console.log(error);
39         },
40         // UPLOAD FINISHED
41         function() {
42             var downloadURL = uploadTask.snapshot.downloadURL;
43             console.log("File URL: ");
44             console.log(downloadURL);
45         }
46     );
47 }
48 })
49
```

Storage



Firestore

DEMO

FIREBASE - STORAGE



AngularJS - Referências



- angularjs.org
- github.com/angular/angular.js
- **Book:** AngularJS - Uma abordagem prática e objetiva (M. Henrique Pereira)
- **Book:** AngularJS Up and Running (O'Reilly)

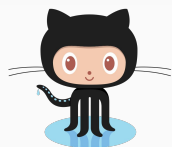
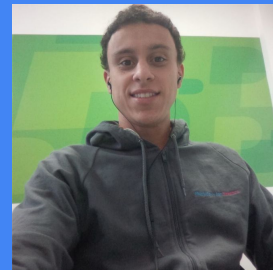
Firebase - Referências

<https://firebase.google.com>

<https://github.com/firebase/angularfire>

<https://www.firebase.com/docs/web/libraries/angular>

- Exemplos
- Documentação
 - Auth
 - \$firebaseObject
 - \$firebaseArray
 - ...



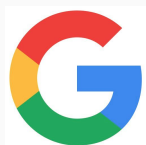
/iagobarboza (exemplos e template)



/iagobs



/iagobarboza



iagobarboza@gmail.com