



PONTIFÍCIA UNIVERSIDADE CATÓLICA DE MINAS GERAIS
Programa de Pós-Graduação

Implementação prática de uma API REST

Disciplina: APIs e Web Services (AWS)

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OPEN API / SWAGGER

AWS Node Soccer ^{1.0}

[Base URL: localhost:18000/]

AWS Node Soccer

Schemes

HTTP

Transfer

GET	/	⌵
POST	/	⌵
GET	/transfer/{_id}	⌵
GET	/transfer/	⌵
POST	/transfer/	⌵
GET	/transfer/transfer/{_id}	⌵
DELETE	/_{_id}	⌵

Team

GET	/team/	⌵
POST	/team/	⌵
DELETE	/team/{_id}	⌵
GET	/team/{_id}	⌵

Player

DELETE	/player/{_id}	⌵
GET	/player/{_id}	⌵
GET	/player/	⌵
POST	/player/	⌵

Tournament		^
DELETE	/tournament/{_id}	✓
GET	/tournament/{_id}	✓
GET	/tournament/	✓
POST	/tournament/	✓
POST	/tournament/{_id}/match/{_matchId}/detail/start	✓
POST	/tournament/{_id}/match/{_matchId}/detail/gol	✓
POST	/tournament/{_id}/match/{_matchId}/detail/interval	✓
POST	/tournament/{_id}/match/{_matchId}/detail/overtime	✓
POST	/tournament/{_id}/match/{_matchId}/detail/warning	✓
POST	/{_id}/match/{_matchId}/detail/start	✓
POST	/{_id}/match/{_matchId}/detail/interval	✓
POST	/{_id}/match/{_matchId}/detail/overtime	✓
POST	/{_id}/match/{_matchId}/detail/warning	✓
Match		^
DELETE	/match/{_id}	✓
GET	/match/{_id}	✓
GET	/match/	✓
POST	/match/	✓
Match Detail		^
DELETE	/match-detail/{_id}	✓
GET	/match-detail/{_id}	✓
GET	/match-detail/	✓
POST	/match-detail/	✓

API CALLS

The screenshot displays the Postman API client interface. The top navigation bar includes links for Home, Workspaces, API Network, Reports, and Explore, along with a search bar and utility icons. The left sidebar shows a collection of API requests under 'My Workspace', with 'SetTeam' selected. The main panel shows a POST request to 'http://localhost:18000/team' with a JSON body. The response is a 200 OK status with a JSON body containing a success message.

Request Details:

- Method: POST
- URL: http://localhost:18000/team
- Body (JSON):

```
{  "name": "Real Madrid",  "Place": "Madrid"}
```

Response Details:

- Status: 200 OK
- Time: 12 ms
- Size: 131 B
- Body (JSON):

```
{  "message": "Your request will be processed!"}
```

Console Output:

```
{  "id": 1,  "name": "Real Madrid",  "place": "Madrid",  "createdAt": "2022-04-06T22:44:33.000Z",  "updatedAt": "2022-04-06T22:44:33.000Z"}
```

HomeWorkspacesAPI NetworkReportsExplore

Search Postman

InviteSettingsHelpUpgrade

My WorkspaceNewImport

Collections

DataPigeon

APIs

Environments

Mock Servers

Monitors

Flows

History

GET GetTeam

POST SetPlayer

No Environment

DataPigeon / SetPlayer

Save

POST

http://localhost:18000/player

Send

Params

Authorization

Headers (1)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

```
1 {
2   "name": "Mux11A0",
3   "birthplace": "São Paulo",
4   "country": "Brasil"
5 }
```

Body

Cookies

Headers (2)

Test Results

Pretty

Raw

Preview

Visualize

HTML

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="utf-8">
6   <title>Error</title>
7 </head>
8
9 <body>
10   <p>Player "Mux11A0" is already registered</p>
11
12 </body>
13 </html>
```

Status: 500 Internal Server ErrorTime: 1612 msSize: 274 BSave Response

Console

CookiesBootcampBrowser AgentRunnerTrash

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GET

http://localhost:18000/player

Send

Params

Authorization

Headers (1)

Body

Pre-request Script

Tests

Settings

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body

Cookies

Headers (2)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "id": 1,
3   "name": "Mux11A0",
4   "birthplace": "São Paulo",
5   "country": "Brasil",
6   "createdAt": "2022-04-06T22:54:22.000Z",
7   "updatedAt": "2022-04-06T22:54:22.000Z",
8   "teamId": null
9 }
10
11
```

Status: 200 OKTime: 18 msSize: 251 BSave Response

Console

CookiesBootcampBrowser AgentRunnerTrash

Postman interface showing a REST client request for **POST http://localhost:18000/transfer**. The request body is a JSON object:

```
1 {
2   "originalTeam": "Atletico",
3   "newTeam": "Cruzeiro",
4   "date": "Wed Apr 06 2022 20:00:26 GMT-0300",
5   "player": "Murillo",
6   "price": "12300.00"
7 }
```

The response is a JSON object:

```
1 {
2   "message": "Transfer player"
3 }
```

Below the response, the raw JSON data is displayed:

```
1 id: 1
2 originalTeam: "Atletico"
3 newTeam: "Cruzeiro"
4 date: "Wed Apr 06 2022 20:00:26 GMT-0300"
5 player: "Murillo"
6 price: "12300.00"
7 createdAt: "2022-04-06T23:06:56.000Z"
8 updatedAt: "2022-04-06T23:06:56.000Z"
```

Postman interface showing a REST client request for **POST http://localhost:18000/tournament**. The request body is a JSON object:

```
1 {
2   "name": "Copa Brasil",
3   "rounds": "160",
4   "endDate": "2015-03-25",
5   "startDate": "2015-03-24",
6   "winner": "Atletico"
7 }
```

The response is a JSON object:

```
1 {
2   "message": "Tournament created"
3 }
```

Home Workspaces API Network Reports Explore Search Postman

My Workspace New Import GET SetTransfer POST SetTournament GET GetTournament No Environment

Collections + DataPigeon

- APIs
- Environments
- Mock Servers
- Monitors
- Flows
- History

- DataPigeon
 - Adds
 - Dels
 - Gets
 - Updates
 - POST Change User Password
 - POST Login
 - GET Alliveness Test
 - POST Gen Access Token
 - POST Logout
 - GET Confirm User
 - POST Refresh Access Token
 - POST Forgotten Password
 - POST Passaporte
 - POST Logout Admin
 - GET GetTeam
 - POST SetTeam
 - POST SetPlayer
 - GET GetPlayer
 - POST GetTransfer
 - GET SetTransfer
 - POST SetMatchDetail
 - GET SetTournament
 - GET GetTournament
 - Postman Echo

DataPigeon / GetTournament

GET http://localhost:18000/tournament Send

Params Authorization Headers (1) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
Key	Value	Description	

Body Cookies Headers (2) Test Results Status: 200 OK Time: 34 ms Size: 279 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 1,
3   "name": "Copa Brasil",
4   "rounds": "100",
5   "endDate": "2015-03-25",
6   "startDate": "2015-03-24",
7   "winner": "Atletico",
8   "createdAt": "2022-04-06T23:16:38.000Z",
9   "updatedAt": "2022-04-06T23:16:38.000Z"
10 }
11
12
```

Home Workspaces API Network Reports Explore Search Postman

My Workspace New Import POST SetMatch GET GetTeam DataPigeon No Environment

Collections + DataPigeon

- APIs
- Environments
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- Monitors
- Flows
- History

- DataPigeon
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 - Gets
 - Updates
 - POST Change User Password
 - POST Login
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 - POST Logout
 - GET Confirm User
 - POST Refresh Access Token
 - POST Forgotten Password
 - POST Passaporte
 - POST Logout Admin
 - GET GetTeam
 - POST SetTeam
 - POST SetPlayer
 - GET GetPlayer
 - POST GetTransfer
 - GET SetTransfer
 - POST SetMatchDetail
 - POST SetTournament
 - GET GetTournament
 - GET GetMatch Copy
 - POST SetMatch
 - Postman Echo

DataPigeon / SetMatch

POST http://localhost:18000/match Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "teamOne": "Atletico",
3   "teamTwo": "Cruzeiro",
4   "date": "2022-04-06T23:07:29.000Z",
5   "winner": "Atletico",
6   "tournament": "1"
7 }
```

Body Cookies Headers (2) Test Results Status: 200 OK Time: 3.24 s Size: 113 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Match created"
3 }
```

HomeWorkspacesAPI NetworkReportsExplore

Search Postman

Invest

Upgrade

My Workspace

NewImport

POST SetMatchGET GetTeamGET GetMatch Copy

No Environment

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DataPigeon

APIs

Environments

Mock Servers

Monitors

Flows

History

POST SetMatch

GET GetTeam

GET GetMatch Copy

+

Save

Send

Cookies

GET

http://localhost:18000/match

Send

Params

Authorization

Headers (1)

Body

Pre-request Script

Tests

Settings

Query Params

KEY

VALUE

DESCRIPTION

Bulk Edit

Body

Cookies

Headers (2)

Test Results

Status: 200 OKTime: 21 msSize: 484 BSave Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

POST SetMatch

POST SetTeam

POST SetPlayer

GET GetPlayer

POST GetTransfer

GET SetTransfer

POST SetMatchDetail

POST SetTournament

GET GetTournament

GET GetMatch Copy

POST SetMatch

Postman Echo

Console

Cookies

Bootcamp

Browser Agent

Runner

Trash

HomeWorkspacesAPI NetworkReportsExplore

Search Postman

Invest

Upgrade

My Workspace

NewImport

POST SetMatchGET GetTeamGET GetMatch CopyPOST SetMatchDetail

No Environment

Collections

APIs

Environments

Mock Servers

Monitors

Flows

History

DataPigeon

APIs

Environments

Mock Servers

Monitors

Flows

History

POST SetMatch

GET GetTeam

GET GetMatch Copy

POST SetMatchDetail

+

Save

Send

Cookies

GET

http://localhost:18000/match-detail

Send

Params

Authorization

Headers (1)

Body

Pre-request Script

Tests

Settings

Query Params

KEY

VALUE

DESCRIPTION

Bulk Edit

Body

Cookies

Headers (2)

Test Results

Status: 200 OKTime: 18 msSize: 281 BSave Response

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

7

8

9

10

11

12

13

14

POST SetMatch

POST SetTeam

POST SetPlayer

GET GetPlayer

POST GetTransfer

GET SetTransfer

POST SetMatchDetail

POST SetTournament

GET GetTournament

GET GetMatch Copy

POST SetMatch

POST SetMatch Copy

Postman Echo

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Runner

Trash

