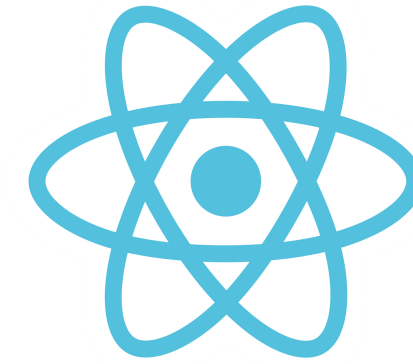
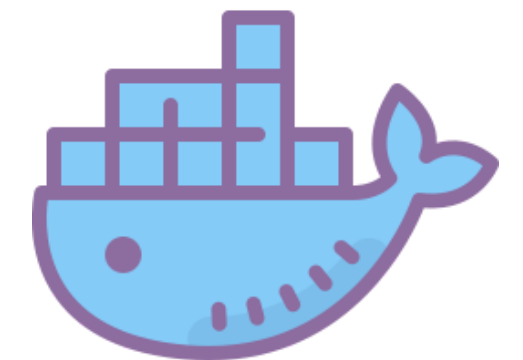


# Technical Documentation

# SUMMARY

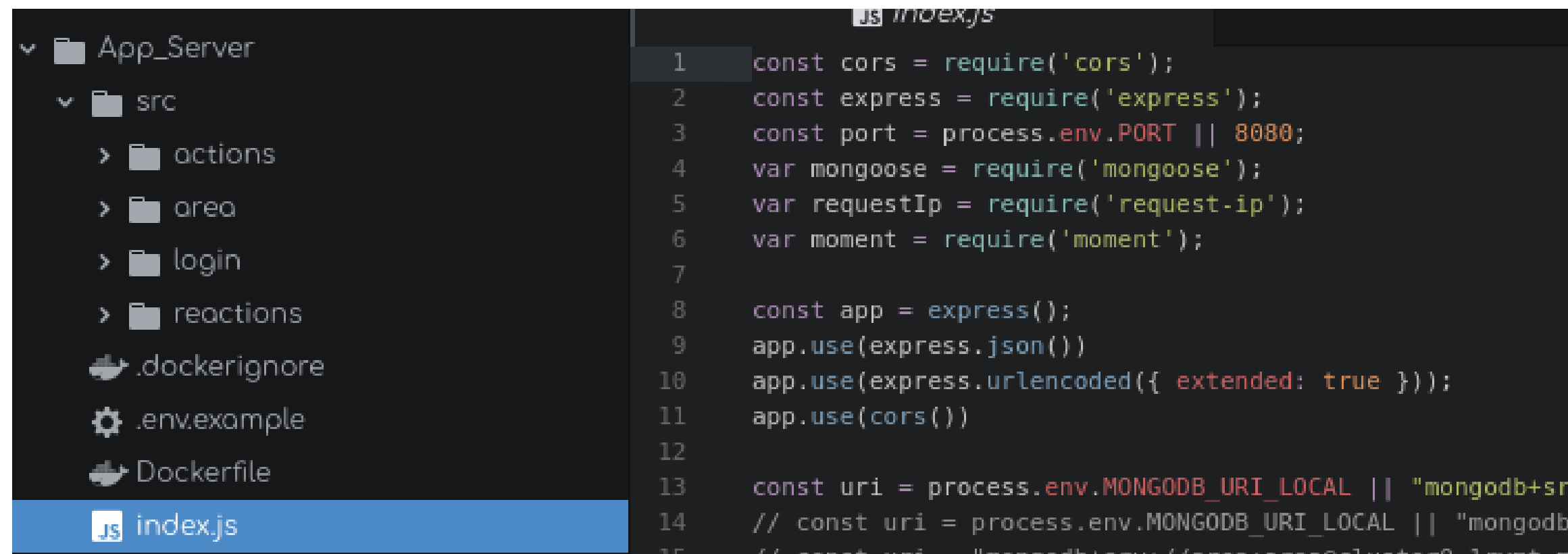


1. Mobile configuration/requirements
2. User management
3. About.json
4. Call API



# Mobile requirements/configuration

- Android Emulator compile with SDK
- You can configurate the address and port
- You can change the background



```
1 const cors = require('cors');
2 const express = require('express');
3 const port = process.env.PORT || 8080;
4 var mongoose = require('mongoose');
5 var requestIp = require('request-ip');
6 var moment = require('moment');
7
8 const app = express();
9 app.use(express.json())
10 app.use(express.urlencoded({ extended: true }));
11 app.use(cors())
12
13 const uri = process.env.MONGODB_URI_LOCAL || "mongodb+srv://area:area@cluster0-1.mongodb.net/area"
14 // const uri = process.env.MONGODB_URI_LOCAL || "mongodb+srv://area:area@cluster0-1.mongodb.net/area"
15 // const uri = "mongodb+srv://area:area@cluster0-1.mongodb.net/area"
```

# User management

- Web and mobile use MongoDB database
- We need to create an URI for the login
- URI need MongoDB's account Name and Password

The screenshot shows the MongoDB Atlas 'Database Deployments' interface. In the background, the 'Cluster0' deployment is visible with a 'Connect' button. A modal window is open in the foreground, guiding the user through connection setup. The modal has two main steps: '1 Select your driver and version' and '2 Add your connection string into your application code'. Step 1 shows 'Node.js' selected for the driver and '4.0 or later' for the version. Step 2 provides a text area with a connection string: `mongodb+srv://area:<password>@cluster0.hy61q.mongodb.net/myFirstDatabase?retryWrites=true&w=majority`. Below the text area, instructions state: 'Replace <password> with the password for the area user. Replace myFirstDatabase with the name of the database that connections will use by default. Ensure any option params are URL encoded.' A link to 'View our troubleshooting documentation' is also present. The modal includes 'Go Back' and 'Close' buttons at the bottom.

PROJECTS ORG - 2022-02-25 > AREA

## Database Deployments

Find a database deployment...

Cluster0 Connect View Monitoring

● R 0  
● W 0  
Last 7 minutes  
100.0/s

VERSION	REGION	CLUSTER T
5.0.6	AWS / Paris (eu-west-3)	M0 Sandt

1 **Select your driver and version**

DRIVER: Node.js | VERSION: 4.0 or later

2 **Add your connection string into your application code**

☐ Include full driver code example

```
mongodb+srv://area:<password>@cluster0.hy61q.mongodb.net/myFirstDatabase?retryWrites=true&w=majority
```

Replace <password> with the password for the area user. Replace myFirstDatabase with the name of the database that connections will use by default. Ensure any option params are URL encoded.

Having trouble connecting? [View our troubleshooting documentation](#)

Go Back Close

# About.json

- Web and mobile use MongoDB database
- Display Actions, Actions Arguments depends on the about.json
- Display Reactions, Reactions Arguments depends on the about.json
- Actions Arguments and Reactions Arguments are optional value in about.json

```
app.get('/about.json', (req, res) => {
  var ip = requestIp.getClientIp(req);
  res.json({
    "client": {
      "host": ip,
    },
    "server": {
      "current_time": moment().unix(),
      "services": [{
        "name": "openweather",
        "actions": [{
          "name": "city temperature",
          "description": "give infos about city temperature",
        }, {
          "name": "city geocoding",
          "description": "give infos about city geocoding",
        }, {
          "name": "city air pollution",
          "description": "give infos about air pollution",
        }
      ]
    }, {
      "name": "stormglassweather",
      "actions": [{
        "name": "city uv",
        "description": "give infos about city uv",
      }
    ], {
      "name": "currency",
      "actions": [{
        "name": "money converter",
        "description": "convert money",
      }
    ], {
      "name": "bitcoincurrency",
      "actions": [{
        "name": "bitcoin converter",
        "description": "convert bitcoin to EUR",
      }
    ], {
      "name": "github",
      "actions": [{
        "name": "check repo",
        "description": "check nber of repo in account",
      }
    ], {
      "name": "news",
      "actions": [{
        "name": "news",
        "description": "check news",
      }
    ], {
  }
}
```

# Call API



# API Response

Data response

Reaction response

```
{
  updated: 1646791454790,
  country: 'France',
  countryInfo: {
    _id: 250,
    iso2: 'FR',
    iso3: 'FRA',
    lat: 46,
    long: 2,
    flag: 'https://disease.sh/assets/img/flags/fr.png'
  },
  cases: 23164872,
  todayCases: 0,
  deaths: 139618,
  todayDeaths: 0,
  recovered: 21836672,
  todayRecovered: 0,
  active: 1188582,
  critical: 2484,
  casesPerOneMillion: 353575,
  deathsPerOneMillion: 2131,
  tests: 246629975,
  testsPerOneMillion: 3764416,
  population: 65516138,
  continent: 'Europe',
  oneCasePerPeople: 3,
  oneDeathPerPeople: 469,
  oneTestPerPeople: 0,
  activePerOneMillion: 18141.82,
  recoveredPerOneMillion: 333302.19,
  criticalPerOneMillion: 37.91
}
{
  from: 'project.area.epitech@gmail.com',
  to: 'aaa@gmail.com',
  subject: 'AREA REACTION GMAIL: les dernières info du covid',
  text: '{"updated":1646791454790,"country":"France","countryInfo":{"_id":250,"iso2":"FR","iso3":"FRA","lat":46,"long":2,"flag":"https://disease.sh/assets/img/flags/fr.png"},"cases":23164872,"todayCases":0,"deaths":139618,"todayDeaths":0,"recovered":21836672,"todayRecovered":0,"active":1188582,"critical":2484,"casesPerOneMillion":353575,"deathsPerOneMillion":2131,"tests":246629975,"testsPerOneMillion":3764416,"population":65516138,"continent":"Europe","oneCasePerPeople":3,"oneDeathPerPeople":469,"oneTestPerPeople":0,"activePerOneMillion":18141.82,"recoveredPerOneMillion":333302.19,"criticalPerOneMillion":37.91}'
}
```