

# An AWS example for Node, express

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This project is an example for showing the usage of AWS services with expressJS. This application is written in Typescript. This project has 3 following APIs

1. Get Regions - Get all the regions where AWS is supported.
2. Get VPCs - Get all the virtual private clouds in a given region.
3. Get Subnets - Get all the subnets of a given vpc.

## How to use this application?

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1. Make sure you have added necessary credentials (API Secret and API client from your AWS account) in your system. It should be present in your home directory - **~/.aws/credentials** file

2. Clone the repository

```
git clone https://github.com/valekar/aws-node-example.git
```

3. Extract and go the root directory

```
cd aws-node-example
```

4. Install node modules

```
npm install
```

5. Run the application in **development** mode. Run the following command

```
npm run start:dev
```

6. Now open the swagger UI to test the APIs. You can access the screen by using - <http://localhost:3000/api-docs/> . Please make sure to run this application in the **development mode** . Use the above **npm** command to the application in development mode.

## Other Commands

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1. To test the application. Run the following command

```
npm run test
```

2. To build and start the application, run the following command.

```
npm run start
```

## Example routes

1. To get all regions, use api - *localhost:3000/api/v1/aws/regions*
2. To get all VPCs of a region, use this example api - *localhost:3000/api/v1/aws/regions/eu-west-2/vpcs*
3. To get all subnets of a VPC, us this example api - *localhost:3000/api/v1/aws/regions/eu-west-2/vpcs/vpc-7b3d7413/subnets*