A small RESTful application

Any trouble please contact me : alxlgogo@gmail.com

> Write a small RESTful application with 3 routes: Using NodeJS, ExpressJS and the
> AWS SDK.

Runtime environment

```
node
express
nodemon
aws-sdk
```

1. Download code from github

```
https://github.com/alxlgogo/AWS_ExpressJS_NodeJS
```

2. Config AWS credentials

> https://docs.aws.amazon.com/cli/latest/userguide/cli-configure-files.html

```
~/.aws/credentials on Linux, macOS, or Unix

C:\Users\USERNAME\.aws\credentials on Windows
```

3. Run application

```
Assume code folder: /user/tem/AWS_ExpressJS_NodeJS

cd /user/tem/AWS_ExpressJS_NodeJS
nodemon index.js
```

4. Test API

Route 1: Return a list of all available AWS regions

```
http://localhost:30009/regions
http://localhost:30009/region/{regionName}
```

Route 2: Return a list of all VPCs within a specific region

> EC2 in us-west-2 doesn't have the ability to list resources in us-west-1. This ensures
> that any operational issues that occur (for example) in us-west-1 have no way of
> affecting us-west-2 because they're entirely isolated.

So if you need list all VPCs within a specific region, you have to set a specific region in vpcs.js

```
vpcs.js
AWS.config.update({ region: 'eu-west-1' });
```

API

```
http://localhost:30009/vpcs
http://localhost:30009/api-vpc/vpc/{RegionName}
```

Route 3: Return a list of all Subnets within a specific VPC

```
http://localhost:30009/subnets
http://localhost:30009/api-subnet/subnet/{VpcId}
```