

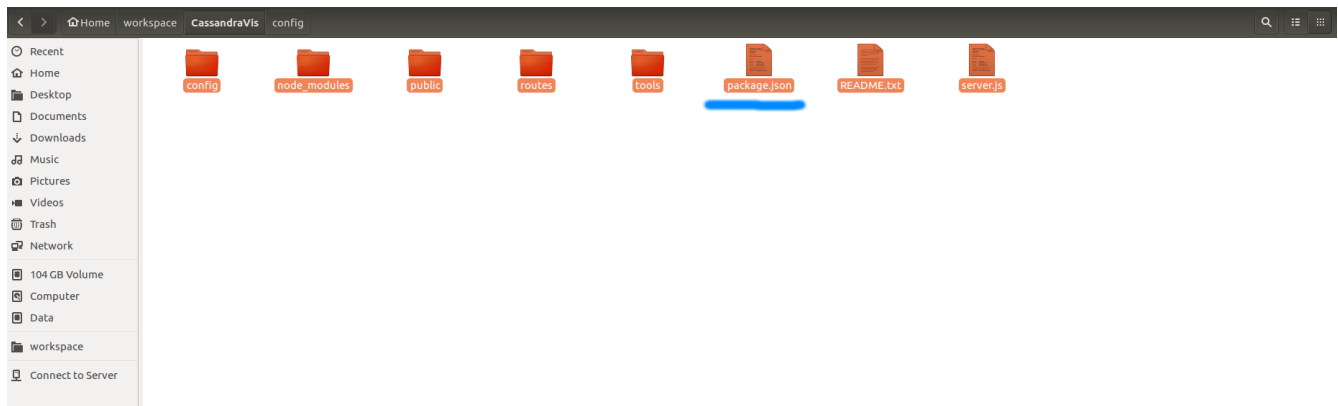
Simple Manual on how to deploy Node.js Application to the AWS.

1. Don't forget to update application **version** in package.json. AWS may complain if it detects the version that already exists in it's lists.



```
package.json (~/.workspace/CassandraVis) - gedit
Open
{
  "engines": {
    "node": "4.4.2",
    "npm": "2.15.0"
  },
  "name": "CassandraVis",
  "version": "0.0.8",
  "description": "Visualisation front-end using AngularJS, Node.js, D3.js",
  "license": "MIT",
  "main": "server.js",
  "author": "RustamA",
  "repository": {
    "type": "git",
    "url": "https://github.com/WanHrust/CassandraVis.git"
  },
  "dependencies": {
    "angular-bootstrap-datetimepicker": "^1.0.1",
    "angular-date-time-input": "^1.1.0",
    "body-parser": "^1.4.3",
    "c3": "^0.4.11",
    "cassandra-driver": "^3.0.2",
    "express": "^4.13.4",
    "method-override": "^2.1.3",
    "moment": "^2.13.0",
    "morgan": "^1.1.1",
    "serve-favicon": "^2.3.0"
  }
}
```

2. Go **INSIDE** the root folder select **ALL** files and zip them into archive. The trick is that **package.json** has to be in the **ROOT** (TOP) directory, otherwise AWS complains that it cannot find package.json or it is configured inappropriately.



3. After you login into the system. Choose the application and environment. In our case click on small link **cassandra-env** in the green area.

The screenshot shows the AWS Elastic Beanstalk console. The top navigation bar includes the AWS logo, 'Services', and 'Edit'. The breadcrumb trail is 'Elastic Beanstalk > CassandraVis > My First Elastic Beanstalk Application'. The main content area is titled 'All Applications' and shows a list of applications. The 'CassandraVis' application is selected, and its environment 'cassandravis-env' is highlighted in green. The environment details show it is a Web Server environment running version v 0.71, last modified on 2016-07-04. A 'Create New Application' button is visible in the top right.

4. After step 3 you should see the following. Press on the button shown by **BLUE ARROW**. This should create a pop-up window where you can upload previously created archive and give it a local (AWS) label.

The screenshot shows the AWS Elastic Beanstalk console 'Overview' page for the 'cassandravis-env' environment. The environment is in 'Health: Ok' status. A blue arrow points to the 'Upload and Deploy' button. The 'Recent Events' table shows the deployment process.

Time	Type	Details
2016-07-04 09:46:33 UTC+0200	INFO	Environment health has transitioned from Info to Ok. Application update completed 50 seconds ago and took 2 minutes.
2016-07-04 09:45:11 UTC+0200	INFO	Environment update completed successfully.
2016-07-04 09:45:11 UTC+0200	INFO	New application version was deployed to running EC2 instances.
2016-07-04 09:43:33 UTC+0200	INFO	Environment health has transitioned from Ok to Info. Application update in progress on 1 instance. 0 out of 1 instance completed (running for 7 seconds).
2016-07-04 09:43:25 UTC+0200	INFO	Deploying new version to instance(s).

5. In case if any of the steps went wrong and you uploaded the version you were not supposed to upload. You may click on the application name. (Marked blue). There is should be easy to navigate to **Application Versions** where you will see the history of all the previous version uploads.

Elastic Beanstalk

CassandraVis

My First Elastic Beanstalk Application

Create New Environment

All Applications > CassandraVis > cassandravis-env

(Environment ID: e-qygywdjz, URL: cassandravis-env.eu-west-1.elasticbeanstalk.com)

Actions

Dashboard

Configuration

Logs

Health

Monitoring

Alarms

Managed Updates ^{NEW}

Events

Tags

Overview

Refresh

Health

Ok

Causes

Running Version

v 0.71

Upload and Deploy

Configuration

64bit Amazon Linux 2016.03

v2.1.1 running Node.js

Newer version available

Change

Recent Events

Show All

Time	Type	Details
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2016-07-04 09:45:11 UTC+0200	INFO	Environment update completed successfully.
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