

INTRODUCTION

The purpose of this tutorial is to show how to deploy a Nodejs learning application on LinuxOne using the free community cloud account

Prerequisites

Linux
Git
Github account
LinuxOne Community Cloud Account
Nodejs (advantageous)

Estimated time

1 - hour

Steps

2. Set up Linuxone account follow this link

<https://linuxone.africalcc.com/cloud/#/register>

3. Go to GitHub link and fork it

3. Ssh into linuxOne Virtual Machine

```
=====
Welcome to IBM LinuxONE Community Cloud!

This server is for authorized users only. All activity is logged and monitored.
Individuals using this server must abide to the Terms and Conditions listed here
:
https://developer.ibm.com/linuxone/terms-of-use-africa/
Your access will be revoked for any non-compliance.
=====
-bash: warning: setlocale: LC_CTYPE: cannot change locale (UTF-8): No such file
or directory
[linux1@tutorial ~]$
```

4. Install node on the virtual Machine

```
[linux1@tutorial ~]$ curl -OL https://nodejs.org/dist/v12.15.0/node-v12.15.0-linux-s390x.tar.xz
```

5. Clone project into virtual Machine

```
}
[root@tutorial linux1]# git clone https://github.com/bogom15/LearningTut.git
Cloning into 'LearningTut'...
remote: Enumerating objects: 39, done.
remote: Counting objects: 100% (39/39), done.
remote: Compressing objects: 100% (33/33), done.
remote: Total 39 (delta 0), reused 39 (delta 0), pack-reused 0
Unpacking objects: 100% (39/39), done.
[root@tutorial linux1]#
```

6. Run The application

```
[root@tutorial Learning]# nodemon
[nodemon] 2.0.4
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `nodemon ./bin/www`
[nodemon] 2.0.4
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node ./bin/www`
```


7. Go to browser and [https://\[linuxone vm ip\]:3000](https://[linuxone vm ip]:3000)

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Learn one way to build applications with Angular and reuse your code and abilities to build apps for any deployment target.




Introduction to nodejs

As an asynchronous event driven JavaScript runtime, Node.js is designed to build scalable network applications.




Introduction to java


Java is a general-purpose programming language that is class-based which means you build once and run everywhere!



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