Rubix Node Installation Instructions: Command Line - Linux

1. a) Login as root and create user rubixuser.
Following command creates a user by name rubixuser and a folder rubixuser in the /home directory:

```
$ sudo useradd -m rubixuser
```

b) Set the password for the new user created:

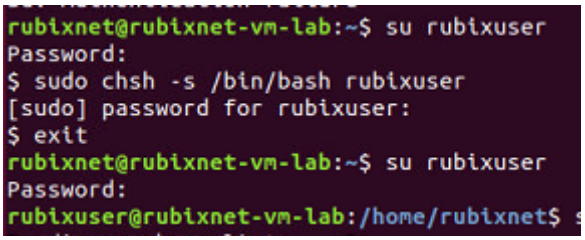
```
$ sudo passwd rubixuser
```

c) From root, grant sudo privilege to rubixuser, exit from root after granting :

```
$ sudo -i
$ usermod -aG sudo rubixuser
$ exit
```

Switch to rubixuser, log off the node and login again as the new user rubixuser.

```
$ su rubixuser
$ sudo chsh -s /bin/bash rubixuser
$ exit
```



d) As prerequisites:

```
$ sudo apt install -y unzip
$ sudo apt install -y zip
$ sudo apt install -y screen
$ sudo apt install -y curl
```

2. a) Install java jdk (version 11).

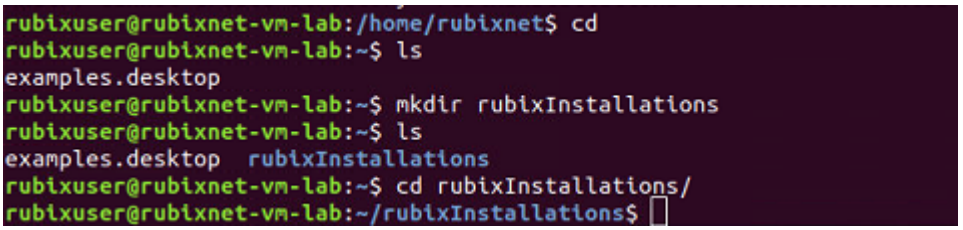
```
$ sudo apt install openjdk-11-jre-headless
```

b) Verify the installation with:

```
$ java --version
```

3. Create a folder called rubixInstallations and move into it:
Make sure you in the home path, or $cd

```
$ mkdir rubixInstallations
$ cd rubixInstallations
```



4. Download the Linux binary for IPFS package and unzip the file:

```
$ wget
https://dist.ipfs.io/go-ipfs/v0.6.0/go-ipfs_v0.6.0_linux-amd64.tar.gz
$ tar -xvzf go-ipfs_v0.6.0_linux-amd64.tar.gz
$ chmod +x install.sh
$ cd go-ipfs
$ sudo bash install.sh
```

5. Test that IPFS has installed correctly and come out of the go-ipfs folder:

```
$ ipfs --version
$ cd ..
```

6. Setup IPFS for Rubix:

```
$ wget
https://github.com/rubixchain/rubixsetup/raw/main/Linux-SetupScript.zip
-O Linux-SetupScript.zip
$ unzip Linux-SetupScript.zip
$ cd Linux-SetupScript
$ chmod +x init.sh
$ bash ./init.sh
```

7. Download the image file for DID Key Generation:

```
$ cd ..
$ wget https://www.dropbox.com/s/s3twvapecq5dbsg/didcreateimag.png?dl=0
-O didcreateimag.png
```

8. Reboot linux system.

9. Create Rubix Wallet:

   Ensure to be inside the default folder of the current user.

   a) Start IPFS:

   ```
   $ screen -dmS ipfs bash -c 'ipfs daemon'
   ```

   b) Download latest Rubix Jar file from here:

```
$ mkdir runfiles
$ cd runfiles
$ wget <Add the link from the Rubix Install Page to this location>
```

c) Run the following commands to create the Rubix wallet:

```
$ ipfs bootstrap add
/ip4/115.124.117.37/tcp/4001/p2p/QmWXELAoKJsCMFoW3j6pFmXEhouwKgWiK7
wN6uLyuX6ULV

$ ipfs bootstrap add
/ip4/13.76.134.226/tcp/4001/ipfs/QmYthCYD5WFVm6coBsPRGvknGexpf9icBU
pw28t18fBnib

$ curl --location --request POST 'http://localhost:1898/create'
--form 'data="<passphrase>"' --form
"image=@\"/home/rubixuser/rubixInstallations/didcreateimag.png\""
```

It should return a success message with the Peer Id, Wallet Hash & DID Hash of the new wallet created.

d) Restart IPFS & Rubix Jar

```
$ killall -9 screen
$ screen -dmS ipfs bash -c 'ipfs daemon'
$ screen -S rubixJar -dm -L -Logfile ~/rubixJar.log bash -c "java
-jar /home/rubixJar/runfiles/<rubixJarFile.jar>"
```

Reference: [Rubix API]