ASSIGNMENT

Cloud Computing

Submitted by

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Roll no:38

CERTIFICATE

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The certificate is awarded to

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for successfully completing the course

Learning OpenStack

on September 1, 2024

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Congratulations! You make us proud!

Thirumala Arohi
Executive Vice President and Global Head
Education, Training & Assessment (ETA)
Infosys Limited

SCREENSHOTS

```
joseph@joseph-VirtualBox:~$ sudo snap install microstack --beta
snap "microstack" is already installed, see 'snap help refresh'
joseph@joseph-VirtualBox:~$ sudo microstack init --auto --control
sudo: microstack: command not found
joseph@joseph-VirtualBox:~$ sudo microstack ini --auto--control
sudo: microstack: command not found
joseph@joseph-VirtualBox:~$ sudo snap get microstack
Key     Value
config  {...}
joseph@joseph-VirtualBox:~$ sudo snap get microstack config.credential.keystone-password
error: snap "microstack" has no "config.credential" configuration option
joseph@joseph-VirtualBox:~$ sudo snap install microstack --beta
snap "microstack" is already installed, see 'snap help refresh'
joseph@joseph-VirtualBox:~$ sudo microstack init --auto--control
sudo: microstack: command not found
joseph@joseph-VirtualBox:~$ microstack
usage: microstack <command> [<args>]

Available commands:
    init         initialize a MicroStack node
    add-compute  generate a connection string for a node to join the cluster
    launch       launch a virtual machine
microstack: error: the following arguments are required: command
joseph@joseph-VirtualBox:~$ sudo su
root@joseph-VirtualBox:/home/joseph# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:87:8c:9f brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3
       valid_lft 83504sec preferred_lft 83504sec
    inet6 fe80::c6da:2250:238:1bf7/64 scope link noprefixroute
       valid_lft forever preferred_lft forever
3: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
    link/ether 02:42:04:d0:4c:75 brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
       valid_lft forever preferred_lft forever
4: ovs-system: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 86:d8:23:23:b6:6d brd ff:ff:ff:ff:ff:ff
5: br-ex: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 22:b2:bc:21:ee:47 brd ff:ff:ff:ff:ff:ff
6: br-int: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether ea:41:93:eb:1c:48 brd ff:ff:ff:ff:ff:ff
```

```
root@joseph-VirtualBox:/home/joseph# ^C
root@joseph-VirtualBox:/home/joseph# microstack init --auto --control
2024-09-03 21:42:03,375 - microstack_init - INFO - Configuring clustering ...
2024-09-03 21:42:03,587 - microstack_init - INFO - Setting up as a control node.
2024-09-03 21:42:08,379 - microstack_init - INFO - Generating TLS Certificate and Key
2024-09-03 21:42:09,664 - microstack_init - INFO - Configuring networking ...
2024-09-03 21:42:17,747 - microstack_init - INFO - Opening horizon dashboard up to *
2024-09-03 21:42:19,007 - microstack_init - INFO - Waiting for RabbitMQ to start ...
Waiting for 10.0.2.15:5672
2024-09-03 21:42:19,603 - microstack_init - INFO - RabbitMQ started!
2024-09-03 21:42:19,603 - microstack_init - INFO - Configuring RabbitMQ ...
2024-09-03 21:42:21,345 - microstack_init - INFO - RabbitMQ Configured!
2024-09-03 21:42:21,394 - microstack_init - INFO - Waiting for MySQL server to start ...
Waiting for 10.0.2.15:3306
```