Department of Information Technology

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Semester: V   Student ID:23104069

Class / Branch: TEIT/Div C   Date of Performance:03/10/25

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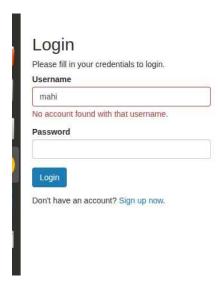
Name of Instructor: Prof. Sujata Oak

Experiment No. 12

Aim: : Deploy a website code on the node by provisioning mysql server and database using ansible playbook.


```
root@ip-172-31-2-28:~/ansible-lab/ansible-codes# nano mysqlmodule.yml
root@ip-172-31-2-28:~/ansible-lab/ansible-codes# cat users.sql
-- phpMyAdmin SQL Dump
-- version 4.1.14
-- http://www.phpmyadmin.net
--
-- Host: 127.0.0.1
-- Generation Time: Apr 28, 2017 at 02:20 PM
-- Server version: 5.6.17
-- PHP Version: 5.5.12

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET time_zone = "+00:00";


/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8 */;


--
-- Database: `demo`
--

-- --------------------------------------------------

--
-- Table structure for table `users`
--

CREATE TABLE IF NOT EXISTS `users` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `username` varchar(50) NOT NULL,
```

```
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=1 ;

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
root@ip-172-31-2-28:~/ansible-lab/ansible-codes# ansible-playbook mysqlmodule.yml

PLAY [client_1] *********************************************************************************************************

TASK [Gathering Facts] **************************************************************************************************
[WARNING]: Platform linux on host 172.31.2.226 is using the discovered Python interpreter at /usr/bin/python3.12, but future installation of another Python interpreter
could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.18/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.2.226]

TASK [2. Start Mysql Service] *******************************************************************************************
ok: [172.31.2.226]

TASK [Install python package] *******************************************************************************************
ok: [172.31.2.226]

TASK [Install Mysql-python package] *************************************************************************************
ok: [172.31.2.226]

TASK [3. Create a new database] *****************************************************************************************
[WARNING]: Support of mysqlcline/MySQLdb connector is deprecated. We'll stop testing against it in collection version 4.0.0 and remove the related code in 5.0.0. Use
PyMySQL connector instead.
ok: [172.31.2.226]

TASK [4. Create a database user] ****************************************************************************************
[WARNING]: Option column_case_sensitive is not provided. The default is now false, so the column's name will be uppercased. The default will be changed to true in
community.mysql 4.0.0.
ok: [172.31.2.226]

TASK [5a. Copy sample data] *********************************************************************************************
ok: [172.31.2.226]

TASK [5b. Insert sample data] *******************************************************************************************
changed: [172.31.2.226]

PLAY RECAP **************************************************************************************************************
172.31.2.226               : ok=8    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

root@ip-172-31-2-28:~/ansible-lab/ansible-codes#
```

```
      CGroup: /system.slice/apache2.service
              ─11685 /usr/sbin/apache2 -k start
              ─11688 /usr/sbin/apache2 -k start
              ─11689 /usr/sbin/apache2 -k start
              ─11690 /usr/sbin/apache2 -k start
              ─11691 /usr/sbin/apache2 -k start
              ─11692 /usr/sbin/apache2 -k start

Oct 03 04:02:55 ip-172-31-2-226 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Oct 03 04:02:55 ip-172-31-2-226 systemd[1]: Started apache2.service - The Apache HTTP Server.
root@ip-172-31-2-226:~/.ssh# mysql -u pritesh -p123456
mysql: [Warning] Using a password on the command line interface can be insecure.
ERROR 1045 (28000): Access denied for user 'pritesh'@'localhost' (using password: YES)
root@ip-172-31-2-226:~/.ssh# mysql -u mahi -p123456
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 8.0.43-0ubuntu0.24.04.2 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| demo               |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
5 rows in set (0.00 sec)

mysql> exit
Bye
root@ip-172-31-2-226:~/.ssh# cd /var/www/html
root@ip-172-31-2-226:/var/www/html#
```

```
ok: [172.31.2.226]

TASK [5a. Copy sample data] **************************************************************************
ok: [172.31.2.226]

TASK [5b. Insert sample data] ***********************************************************************
changed: [172.31.2.226]

PLAY RECAP **********************************************************************************************
172.31.2.226              : ok=8    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

root@ip-172-31-2-28:~/ansible-lab/ansible-codes# nano deploywebsite.yml
root@ip-172-31-2-28:~/ansible-lab/ansible-codes# ansible-playbook deploywebsite.yml

PLAY [copy] **********************************************************************************************

TASK [Gathering Facts] **********************************************************************************
[WARNING]: Platform linux on host 172.31.2.226 is using the discovered Python interpreter at /usr/bin/python3.12, but future installation of another Python interpreter
could change the meaning of that path. See https://docs.ansible.com/ansible-core/2.18/reference_appendices/interpreter_discovery.html for more information.
ok: [172.31.2.226]

TASK [copy file] ****************************************************************************************
changed: [172.31.2.226]

TASK [copy file] ****************************************************************************************
changed: [172.31.2.226]

TASK [copy file] ****************************************************************************************
changed: [172.31.2.226]

TASK [copy file] ****************************************************************************************
changed: [172.31.2.226]

TASK [copy file] ****************************************************************************************
changed: [172.31.2.226]

TASK [copy file] ****************************************************************************************
changed: [172.31.2.226]

PLAY RECAP **********************************************************************************************
172.31.2.226              : ok=7    changed=6    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

root@ip-172-31-2-28:~/ansible-lab/ansible-codes#
```

Login

Please fill in your credentials to login.

Username

> mahi

No account found with that username.

Password

Login

Don't have an account? Sign up now.

Conclusion: In the experiment, we successfully deploy a website code on the node by provisioning mysql server and database using ansible playbook.