

# JOBSHEET 5 CLOUD PAAS



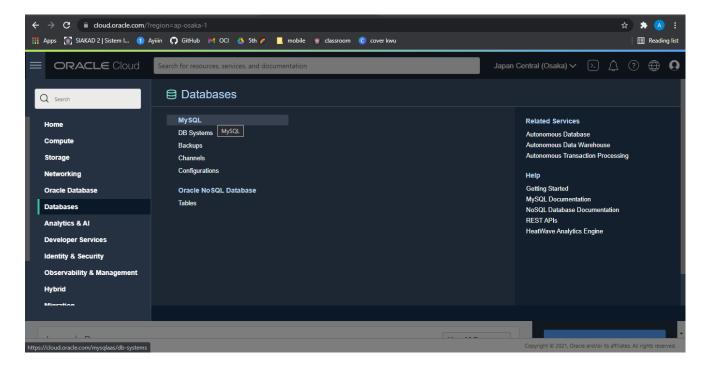
Arranged By:

Rajendra Rakha Arya Prabaswara (1941720080/21)

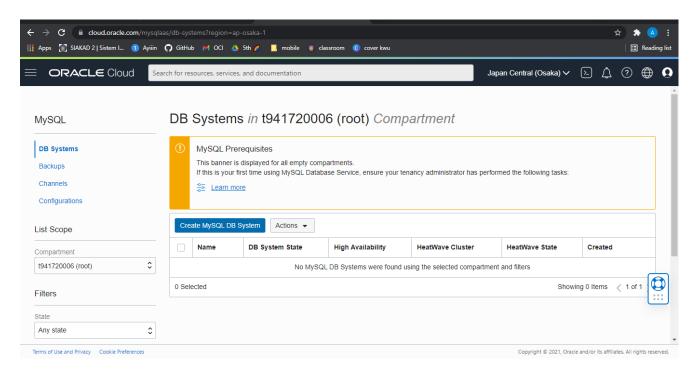
D-IV INFORMATICS ENGINEERING
STUDY PROGRAM
DEPARTMENT OF INFORMATION TECHNOLOGY

### **Create Databases**

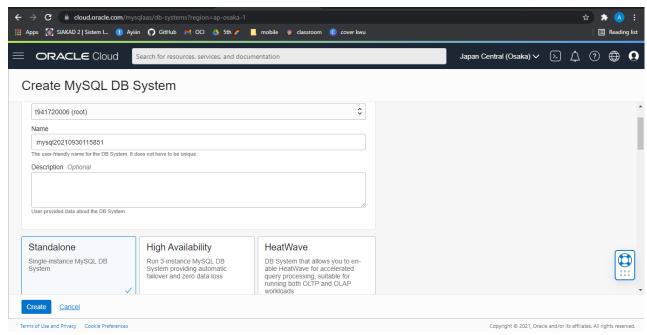
Select the MySQL Databases menu on OCI



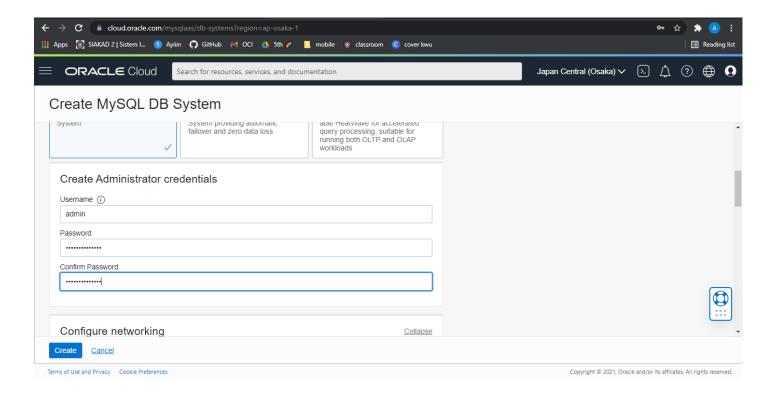
2. Press the Create MySQL Database Button



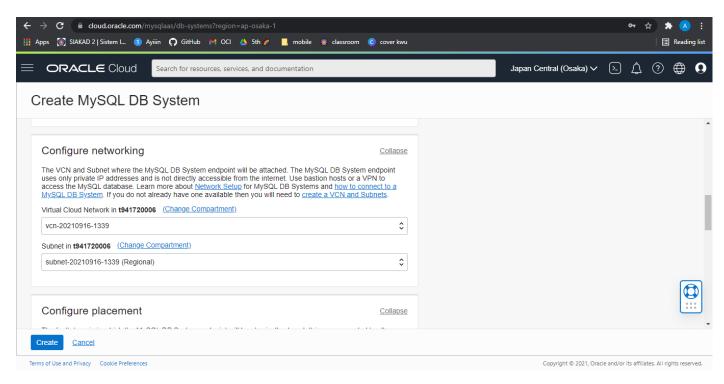
3. Filling compartments and database types



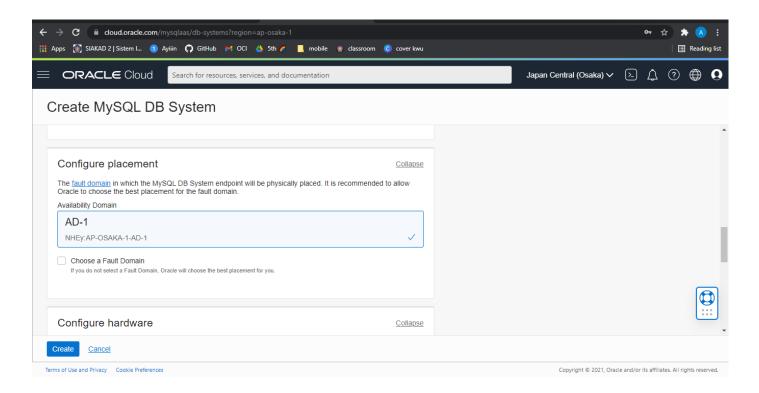
4. Fill in The Administrator Databases Data



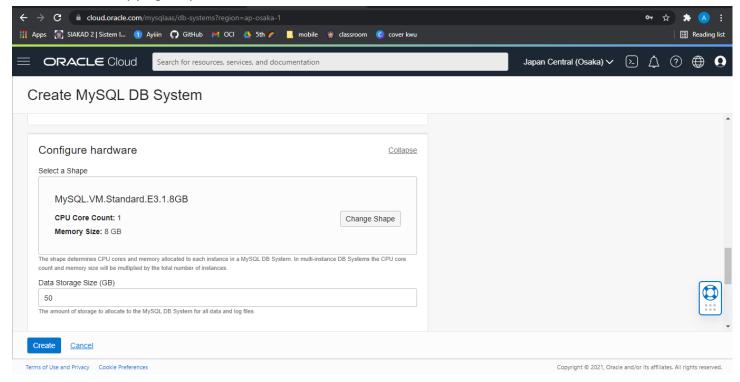
### 5. Configuration VCN



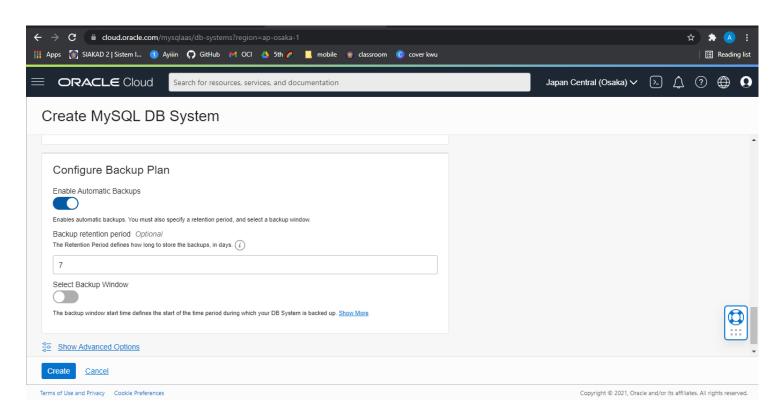
### 6. Configuration Availability Domain



7. Copying Shape from database



8. Copying Backups from Databases and Pressing Tomboh Create Database



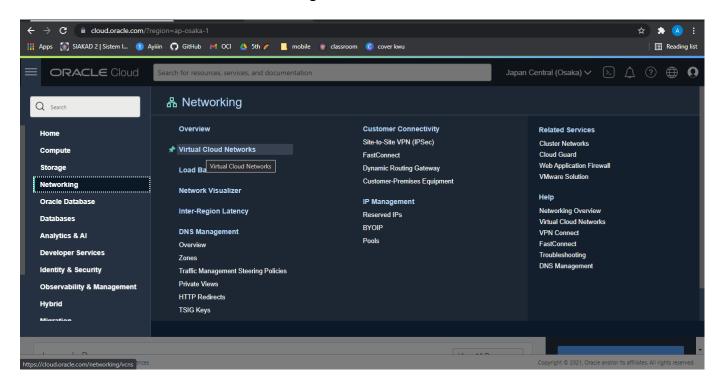
After pressing the create database button, the status of the database is Creating, so wait a while until the active database status.



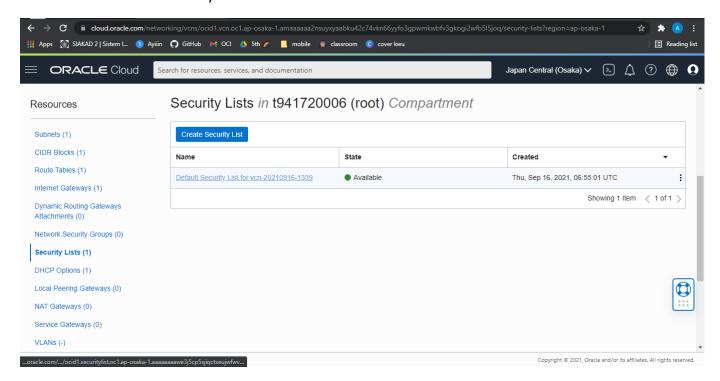


# **Configuration Virtual Cloud Networks (VCN)**

1. Select a VCN menu on Networking



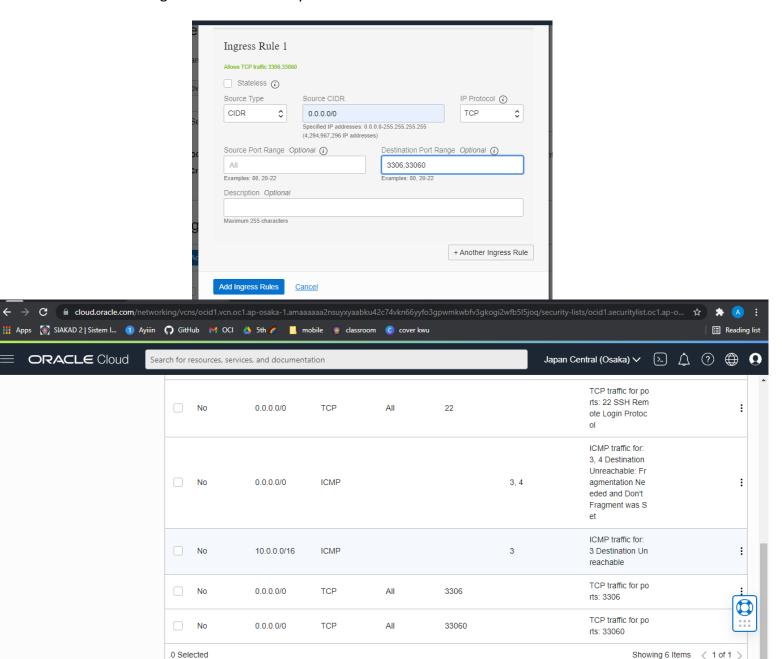
2. Select the Security List menu



#### 3. Adding Rules to the Security List

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## Access MySQL from Through SSH

1. The way to access instances owned through ssh is to type the following command:

```
×
                      https://ubuntu.com/advantage
  System information as of Thu Sep 30 08:35:09 UTC 2021
 System load: 0.23 Processes:
Usage of /: 6.7% of 44.97GB Users logged in:
Memory usage: 25% IPv4 address for
                                       IPv4 address for ens3: 10.0.0.145
  Swap usage: 0%
 * Super-optimized for small spaces - read how we shrank the memory
   footprint of MicroK8s to make it the smallest full K8s around.
   https://ubuntu.com/blog/microk8s-memory-optimisation
15 updates can be applied immediately.
To see these additional updates run: apt list --upgradable
*** System restart required ***
Last login: Thu Sep 23 05:32:18 2021 from 114.6.31.174
ubuntu@vm-ubuntu:~$ sudo ssh -i /Users/user/Music/ssh-key-2021-09-16.key ubuntu@140.83.48.204
Warning: Identity file /Users/user/Music/ssh-key-2021-09-16.key not accessible: No such file o
The authenticity of host '140.83.48.204 (140.83.48.204)' can't be established.
ECDSA key fingerprint is SHA256:Nn3HRvFm9Wgn31UEz3zteldTtxos24MEkLQ/pfW4Bk4.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes Warning: Permanently added '140.83.48.204' (ECDSA) to the list of known hosts. ubuntu@140.83.48.204: Permission denied (publickey). ubuntu@vm-ubuntu:~$
```

Access MySQL

```
buntu@140.83.48.204: Permission denied (publickey).
ubuntu@vm-ubuntu:~$ mysql
Command 'mysgl' not found, but can be installed with:
sudo apt install mysql-client-core-8.0  # version 8.0.26-0ubuntu0.20.04.3, or
sudo apt install mariadb-client-core-10.3 # version 1:10.3.31-0ubuntu0.20.04.1
buntu@vm-ubuntu:~$
ubuntu@vm-ubuntu:~$ sudo apt install mysql-client-core-8.0
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
 mysql-client-core-8.0
0 upgraded, 1 newly installed, 0 to remove and 23 not upgraded.
Need to get 4218 kB of archives.
After this operation, 64.8 MB of additional disk space will be used.
Get:l http://ap-osaka-l-ad-l.clouds.archive.ubuntu.com/ubuntu focal-updates/main amd64 m
ysql-client-core-8.0 amd64 8.0.26-0ubuntu0.20.04.3 [4218 kB]
Fetched 4218 kB in 2s (2232 kB/s)
Selecting previously unselected package mysql-client-core-8.0.
(Reading database ... 145717 files and directories currently installed.)
Preparing to unpack .../mysql-client-core-8.0_8.0.26-0ubuntu0.20.04.3_amd64.deb ...
Unpacking mysql-client-core-8.0 (8.0.26-0ubuntu0.20.04.3) ...
Setting up mysql-client-core-8.0 (8.0.26-0ubuntu0.20.04.3) ...
Processing triggers for man-db (2.9.1-1) ... ubuntu@vm-ubuntu:~$
```

Once you successfully log in to your instances you can access your mysql but you have to install mysql client. If you do not have a mySQL client then you will get a message like the following:

```
ubuntu@vm-ubuntu:~$ mysql -u admin -p -h 10.0.0.16
Enter password:
Welcome to the MySQL monitor. Commands end with; or \g.
Your MySQL connection id is 48
Server version: 8.0.26-u2-cloud MySQL Enterprise - Cloud

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

mysql>
```

To connect mysql with the following command mysql -u -p -h . After this the database is ready to be used according to your needs.

### **Install WordPress on PaaS**

1. Create a Database

2. Download WordPress Folder /var/www/html with command

```
ubuntu@vm-ubuntu:~$ wget https://wordpress.org/latest.tar.gz;
--2021-09-30 09:25:47-- https://wordpress.org/latest.tar.gz
Resolving wordpress.org (wordpress.org)... 198.143.164.252
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 15087630 (14M) [application/octet-stream]
Saving to: 'latest.tar.gz'
latest.tar.gz 100%[=============]] 14.39M 1003KB/s in 14s
2021-09-30 09:26:02 (1020 KB/s) - 'latest.tar.gz' saved [15087630/15087630]
ubuntu@vm-ubuntu:~$
```

3. Extract WordPress Folder /var/www/html with command

```
💋 ubuntu@vm-ubuntu: ~
                                                                                П
                                                                                      ×
 ordpress/wp-admin/js/custom-background.js
wordpress/wp-admin/js/color-picker.min.js
wordpress/wp-admin/js/auth-app.js
wordpress/wp-admin/js/code-editor.js
wordpress/wp-admin/js/common.js
wordpress/wp-admin/js/set-post-thumbnail.min.js
wordpress/wp-admin/js/postbox.min.js
wordpress/wp-admin/js/color-picker.js
wordpress/wp-admin/js/password-strength-meter.js
wordpress/wp-admin/js/customize-nav-menus.js
wordpress/wp-admin/js/editor-expand.js
wordpress/wp-admin/js/code-editor.min.js
wordpress/wp-admin/js/set-post-thumbnail.js
wordpress/wp-admin/options-permalink.php
wordpress/wp-admin/widgets.php
wordpress/wp-admin/setup-config.php
wordpress/wp-admin/install.php
wordpress/wp-admin/admin-header.php
wordpress/wp-admin/post-new.php
wordpress/wp-admin/themes.php
wordpress/wp-admin/options-reading.php
wordpress/wp-trackback.php
wordpress/wp-comments-post.php
```

Furthermore, after estrak the downloaded file can be deleted by using the command

```
ubuntu@vm-ubuntu:~$ sudo rm rf latest.tar.gz
rm: cannot remove 'rf': No such file or directory
```

Next install the mysql extension on php and enable it on php.ini. 4.

```
ubuntu@vm-ubuntu:-$ sudo apt-get install php-mysql
Reading package lists... Done
Building dependency tree
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
php-common php7.4-common php7.4-physql
The following NEW packages will be installed:
php-common php-mysql php7.4-common php7.4-mysql
O upgraded, 4 newly installed, 0 to remove and 23 not upgraded.
Need to get ll14 kB of archives.
After this operation, 8142 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get11 http://ap-oakah-la-da-l.clouds.archive.ubuntu.com/ubuntu focal/main amd64 php-common all 2:75 [11.9 kB]
Get2 http://ap-oakah-la-da-l.clouds.archive.ubuntu.com/ubuntu focal-updates/main
amd64 php7.4-mysql amd64 7.4.3-4ubuntu2.6 [980 kB]
Get13 http://ap-oakah-la-da-l.clouds.archive.ubuntu.com/ubuntu focal-updates/main
amd64 php7.4-mysql amd64 7.4.3-4ubuntu2.6 [121 kB]
Get14 http://ap-oakah-la-da-l.clouds.archive.ubuntu.com/ubuntu focal-updates/main
amd64 php7.4-mysql amd64 7.4.3-4ubuntu2.6 [121 kB]
Get14 http://ap-oakah-la-da-l.clouds.archive.ubuntu.com/ubuntu focal/main amd64 p
hp-mysql all 2:7.475 [2000 B]
Fetched 114 kB in 2s (E25 kB/s)
Selecting previously unselected package php-common.
(Reading database ... 1674f files and directories currently installed.)
Pepparing to unpack .../php-common_2%3a75_all.deb ...
Inpacking php7.4-common (7.4.3-dubuntu2.6) ...
Selecting previously unselected package php7.4-mysql.
Preparing to unpack .../php7.4-mysql_2, 7.4.3-dubuntu2.6_amd64.deb ...
Inpacking php7.4-mysql (7.4.3-dubuntu2.6) ...
Selecting previously unselected package php7.4-mysql.
Preparing to unpack .../php7.4-mysql_2, 7.4.3-dubuntu2.6_amd64.deb ...
Inpacking php7.4-mysql (7.4.3-dubuntu2.6) ...
Selecting previously unselected package php-mysql.
Preparing to unpack .../php7.4-mysql_2, 7.4.3-dubuntu2.6_amd64.deb ...
Inpacking php7.4-mysql (7.4.3-dubuntu2.6) ...
Selecting previously unselected package php-mysql.
Preparing to unpack .../php7
      ubuntu@vm-ubuntu:~$ sudo service apache2 restart
      ubuntu@vm-ubuntu:~$ sudo chown www-data:www-data -R *
```

### 5. Next Process of Installation of WordPress Through Browser

