

LAPORAN MATA KULIAH KOMPUTASI AWAN

PLATFORM AS A SERVICE (PAAS)

**Oleh:
Moch Abizar Daffa W**

TI-3F

NIM: 1941720075

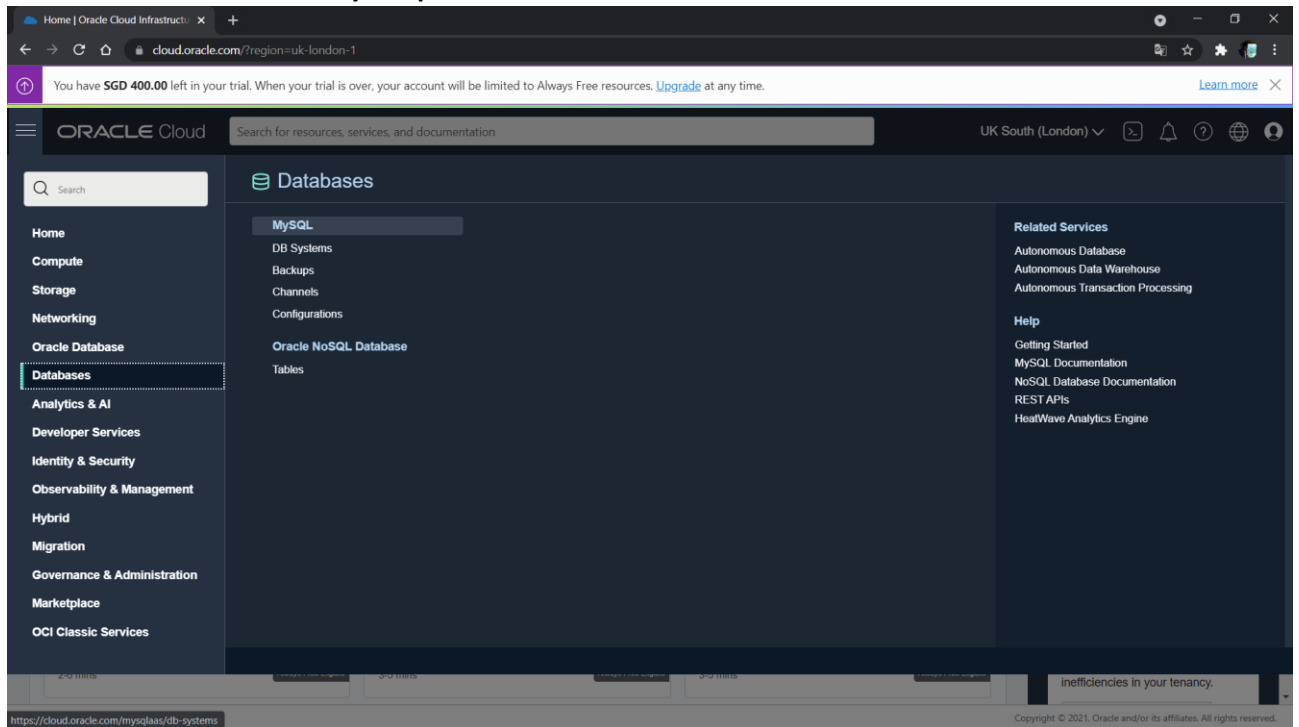


**PROGRAM STUDI TEKNIK INFORMATIKA JURUSAN
TEKNOLOGI INFORMASI POLITEKNIK NEGERI
MALANG**

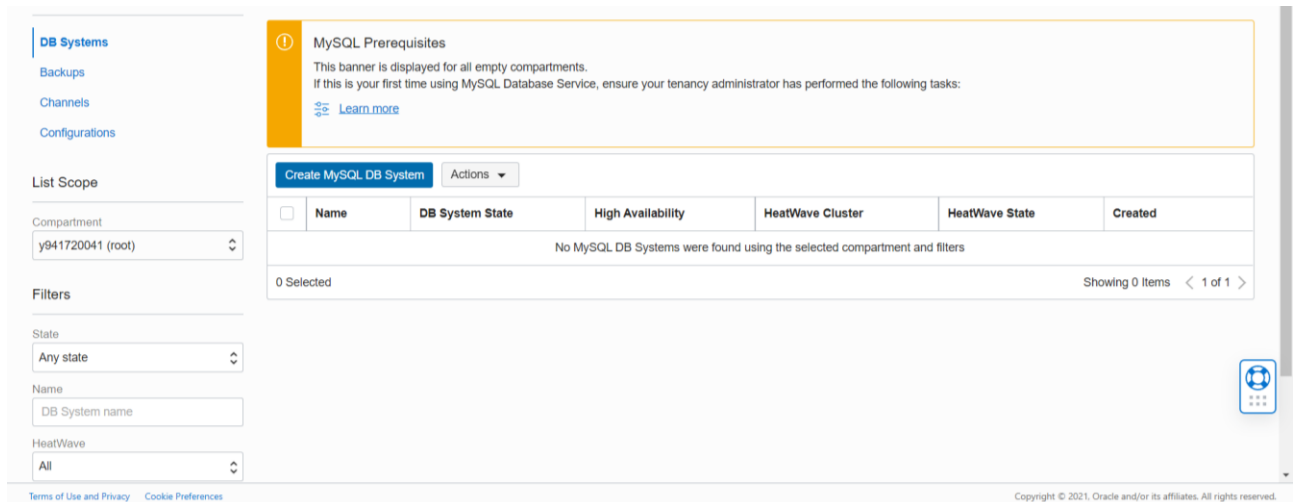
SEPTEMBER 2021

PRAKTIKUM 1 :

1. Memilih menu Databases MySQL pada OCI



2. Menekan Tombol Create MySQL Database



3. Mengisi Compartment dan Jenis Database

Pada praktikum ini kita menggunakan standalone databases, karena kebutuhan database kita masih minimal atau tidak memerlukan spesifikasi yang tinggi.

4. Mengisi Data Databases Administrator

Pada database administrator menggunakan username dan password sesuai dengan keinginan atau kebutuhan anda.

Create Administrator credentials

Username ⓘ

admin

Password

.....|

Confirm Password

.....

Administrator password must be between 8 and 32 characters, and contain at least 1 uppercase, 1 lowercase, 1 numeric, and 1 special characters.

5. Mengkonfigurasi VCN

Konfigurasi VCN pada database disesuaikan dengan tujuan instances yang akan dikoneksikan dengan database.

6. Mengkonfigurasi Availability Domain

Untuk Availability Domain dari database yang akan kita gunakan tidak bisa dipilih pada akun yang gratis, sehingga tidak perlu untuk diubah.

Configure placement

The [availability domain / fault domain](#) in which the MySQL DB System endpoint will be physically placed. It is recommended to allow Oracle to choose the best placement for the fault domain.

Availability Domain

AD-1
mBYZ:UK-LONDON-1-AD-1 ✓

AD-2
mBYZ:UK-LONDON-1-AD-2

AD-3
mBYZ:UK-LONDON-1-AD-3

☐ Choose a Fault Domain
If you do not select a Fault Domain, Oracle will choose the best placement for you.

7. Mengkonfigurasi Shape dari Database

Pada praktikum ini menggunakan shape yang minimal karena belum memiliki kebutuhan sistem yang memiliki spesifikasi yang tinggi.

Configure hardware

[Collapse](#)

Select a Shape

MySQL.VM.Standard.E3.1.8GB

CPU Core Count: 1

Memory Size: 8 GB

Change Shape

The shape determines CPU cores and memory allocated to each instance in a MySQL DB System. In multi-instance DB Systems the CPU core count and memory size will be multiplied by the total number of instances.

Data Storage Size (GB)

50

The amount of storage to allocate to the MySQL DB System for all data and log files.

8. Mengkonfigurasi Backup dari Database dan Menekan Tombol Create Database

Untuk backup dari database dapat tidak disetting disesuaikan dengan kebutuhan. Setelah semua pengaturan dianggap telah cukup maka pada tahap akhir adalah menekan tombol create database.

Configure Backup Plan

Enable Automatic Backups

☒

Enables automatic backups. You must also specify a retention period, and select a backup window.

Backup retention period *Optional*

The Retention Period defines how long to store the backups, in days. ⓘ

7

Select Backup Window

☐

The backup window start time defines the start of the time period during which your DB System is backed up. [Show More](#)

[Show Advanced Options](#)

Create Cancel

Setelah menekan tombol create database maka status database adalah Creating, jadi tungguilah beberapa saat sampai status database Active.

mysql|20211005195540

General Information

- OCID: ...tya56psxa [Show](#) [Copy](#)
- Description: -
- Compartment: [kholu@romadon](#)
- Created: Tue, Oct 5, 2021, 12:58:48 UTC

DB System Configuration

- Shape: MySQL.VM.Standard.E3.1.8GB ⓘ
- OCPU Count: 1
- Memory: 8 GB
- Storage Size: 50 GB
- MySQL Version: 8.0.26-ud-cloud
- Configuration: [MySQL.VM.Standard.E3.1.8GB.Standalone](#)

HeatWave

- HeatWave Cluster: Disabled [Enable](#)

High Availability

- High Availability: Disabled

Networking

- Virtual Cloud Network: [vcn-20210914-0829](#)
- Subnet: [subnet-20210914-0829](#)
- Subnet Type: Regional

Endpoint

Connect to the MySQL DB System using the endpoint below and a MySQL client application.

mysql|20210930134307

General Information

- OCID: ...mziayjma [Show](#) [Copy](#)
- Description: -
- Compartment: [vdi720641](#)
- Created: Thu, Sep 30, 2021, 06:43:55 UTC

DB System Configuration

- Shape: MySQL.VM.Standard.E3.1.8GB ⓘ
- OCPU Count: 1
- Memory: 8 GB
- Storage Size: 50 GB
- MySQL Version: 8.0.26-ud-cloud
- Configuration: [MySQL.VM.Standard.E3.1.8GB.Standalone](#)

Backup

- Automatic Backups: Enabled
- Retention Days: 7
- Backup Window: 04:57 UTC

Maintenance

- Maintenance Window Start: Tuesday 02:19

HeatWave

- HeatWave Cluster: Disabled [Enable](#)

High Availability

- High Availability: Disabled

Networking

- Virtual Cloud Network: [vcn-20210909-1527](#)
- Subnet: [subnet-20210909-1527](#)
- Subnet Type: Regional

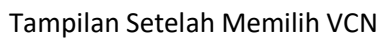
Endpoint

Connect to the MySQL DB System using the endpoint below and a MySQL client application. [Learn more](#)

- Private IP Address: 10.0.0.241 [Copy](#) ⓘ
- Internal FQDN: -
- Availability Domain: mBYZ-UK-LONDON-1-AD-1
- Fault Domain: FAULT-DOMAIN-3
- MySQL Port: 3306
- MySQL X Protocol Port: 33060

PRAKTIKUM 2 :

- Memilih menu VCN pada Networking**
Memilih VCN



Klik “Add Ingress Rules”

DB Systems | Oracle Cloud Infra: x Virtual Cloud Networks | Oracle x +

cloud.oracle.com/networking/vcns/ocid1.vcn.oc1.uk-london-1.amaaaaaawomaqahocwg5qvr57qvp3pyhn5venlofpz6duwgl5nrmw2eq/security-lists/ocid1.securitylist.oc1.uk-london-1...

You have **SGD 400.00** left in your trial. When your trial is over, your account will be limited to Always Free resources. [Upgrade](#) at any time.

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Networking » Virtual Cloud Networks » vcn-20210909-1527 » Security List Details

Default Security List for vcn-20210909-1527

Instance traffic is controlled by firewall rules on each Instance in addition to this Security List

SL
AVAILABLE

Move Resource Add Tags Terminate

Security List Information Tags

OCID: ...5lo2ua Show Copy
Created: Thu, Sep 9, 2021, 08:28:27 UTC

Compartment: y941720041 (root)

Resources

Ingress Rules (4)
Egress Rules (1)

Ingress Rules

Add Ingress Rules Edit Remove

	Stateless	Source	IP Protocol	Source Port Range	Destination Port Range	Type and Code	Allows	Description
<input type="checkbox"/>	Yes	0.0.0.0/0	TCP	All	80		TCP traffic for ports: 80	Allow HTTP connections
<input type="checkbox"/>	No	0.0.0.0/0	TCP	All	22		TCP traffic for ports: 22 SSH Remote Login Protocol	
<input type="checkbox"/>	No	0.0.0.0/0	ICMP			3, 4	ICMP traffic for: 3, 4 Destination Unreachable, Fragmentation Needed and Don't Fragment was Set	
<input type="checkbox"/>	No	10.0.0.0/16	ICMP			3	ICMP traffic for: 3 Destination Unreachable	

0 Selected Showing 4 items < 1

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Setelah itu Klik lagi bagian “Add Ingress Rules”

DB Systems | Oracle Cloud Infra: x Virtual Cloud Networks | Oracle x +

cloud.oracle.com/networking/vcns/ocid1.vcn.oc1.uk-london-1.amaaaaaawomaqahocwg5qvr57qvp3pyhn5venlofpz6duwgl5nrmw2eq/security-lists/ocid1.securitylist.oc1.uk-lond...

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Default Security List for vcn-20210909-1527

Instance traffic is controlled by firewall rules on each Instance in addition to this Security List

SL
AVAILABLE

Move Resource Add Tags Terminate

Security List Information Tags

OCID: ...5lo2ua Show Copy
Created: Thu, Sep 9, 2021, 08:28:27 UTC

Compartment: y941720041 (root)

Resources

Ingress Rules (4)
Egress Rules (1)

Ingress Rules

Add Ingress Rules Edit Remove

	Stateless	Source	IP Protocol	Source Port Range	Destination Port Range	Type and Code	Allows	Description
<input type="checkbox"/>	Yes	0.0.0.0/0	TCP	All	80		TCP traffic for ports: 80	Allow HTTP connections
<input type="checkbox"/>	No	0.0.0.0/0	TCP	All	22		TCP traffic for ports: 22 SSH Remote Login Protocol	
<input type="checkbox"/>	No	0.0.0.0/0	ICMP			3, 4	ICMP traffic for: 3, 4 Destination Unreachable, Fragmentation Needed and Don't Fragment was Set	
<input type="checkbox"/>	No	10.0.0.0/16	ICMP			3	ICMP traffic for: 3 Destination Unreachable	

0 Selected Showing 4 items < 1

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Add Ingress Rules

Ingress Rule 1

Allows TCP traffic 3306,33060

☐ Stateless

Source Type: CIDR Source CIDR: 0.0.0.0/0 IP Protocol: TCP

Source Port Range: Optional All Destination Port Range: Optional 3306,33060

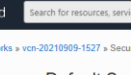
Description: Optional

Maximum 255 characters

+ Another Ingress Rule

Add Ingress Rules Cancel

Hasil dari “Add Ingress Rules”



AVAILABLE

Default Security List for vcn-20210909-1527

Instance traffic is controlled by firewall rules on each Instance in addition to this Security List

[Move Resource](#)
[Add Tags](#)
[Terminate](#)

Security List Information

Tags

OCID: :sla2ua [Show](#) [Copy](#)

Created: Thu, Sep 9, 2021, 08:28:27 UTC

Compartment: y941720041 (root)

Resources

[Ingress Rules \(6\)](#)
[Egress Rules \(1\)](#)

Ingress Rules

[Add Ingress Rules](#)
[Edit](#)
[Remove](#)

<input type="checkbox"/>	Stateless ▾	Source	IP Protocol	Source Port Range	Destination Port Range	Type and Code	Allows	Description
<input type="checkbox"/>	Yes	0.0.0.0/0	TCP	All	80		TCP traffic for ports: 80	Allow HTTP connections
<input type="checkbox"/>	No	0.0.0.0/0	TCP	All	22		TCP traffic for ports: 22 SSH Remote Login Protocol	
<input type="checkbox"/>	No	0.0.0.0/0	ICMP			3, 4	ICMP traffic for: 3, 4 Destination Unreachable: Fragmentation Needed and Don't Fragment w as Set	
<input type="checkbox"/>	No	10.0.0.0/16	ICMP			3	ICMP traffic for: 3 Destination Unreachable	
<input type="checkbox"/>	No	0.0.0.0/0	TCP	All	3306		TCP traffic for ports: 3306	
<input type="checkbox"/>	No	0.0.0.0/0	TCP	All	33060		TCP traffic for ports: 33060	

0 Selected

Showing 6 Items < 1 of 1 >

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