KOMPUTASI AWAN

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TI 3F

05 - PLATFORM AS A SERVICE (PAAS)

Tujuan Pembelajaran

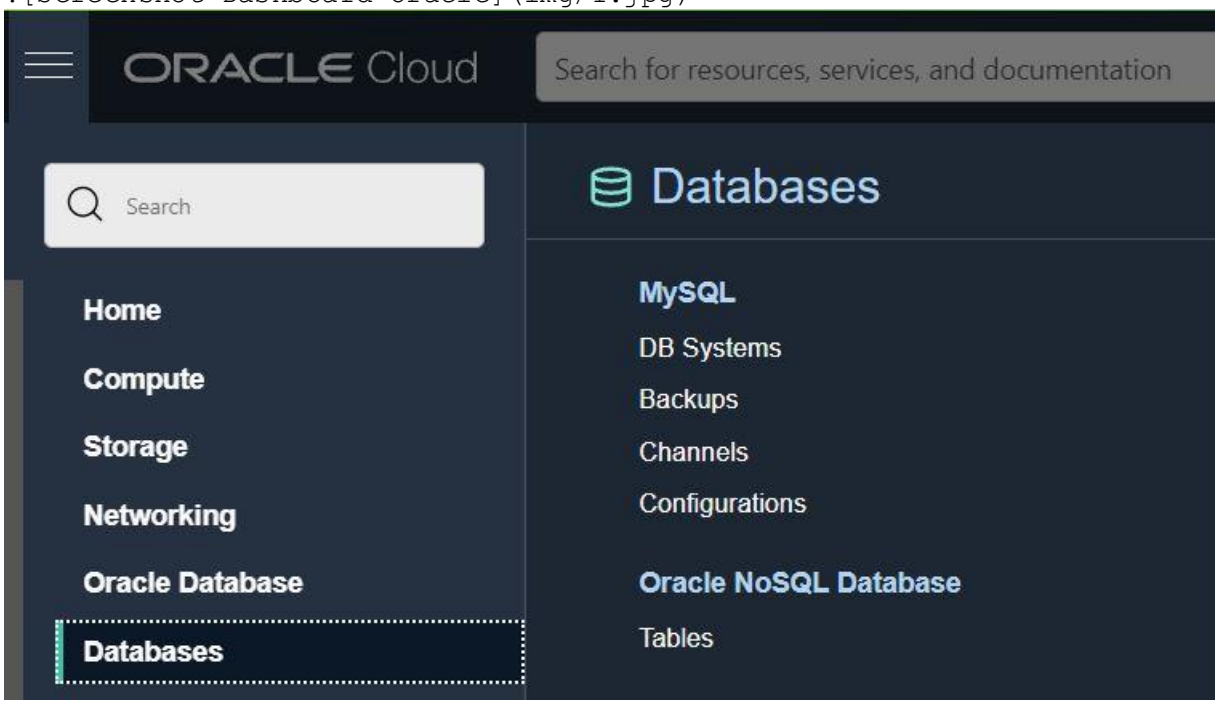
Mengetahui layanan yang ditawarkan cloud computing khususnya Oracle Cloud
Infrastructure (OCI)

Hasil Praktikum

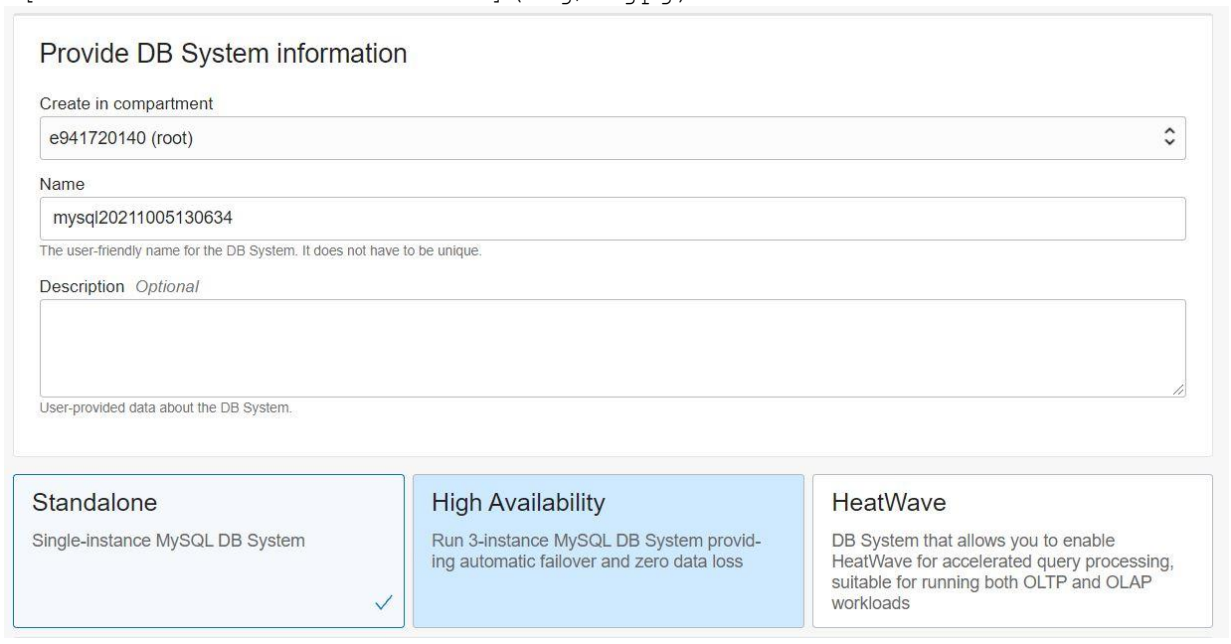
Praktikum 1: Praktikum PaaS

PaaS adalah pendekatan evolusioner untuk memberikan middleware dan kapasitas database

![Screenshot Dashboard Oracle](img/1.jpg)



![Screenshot Dashboard Oracle](img/2.jpg)



![Screenshot Dashboard Oracle](img/3.jpg)

Configure networking

Collapse

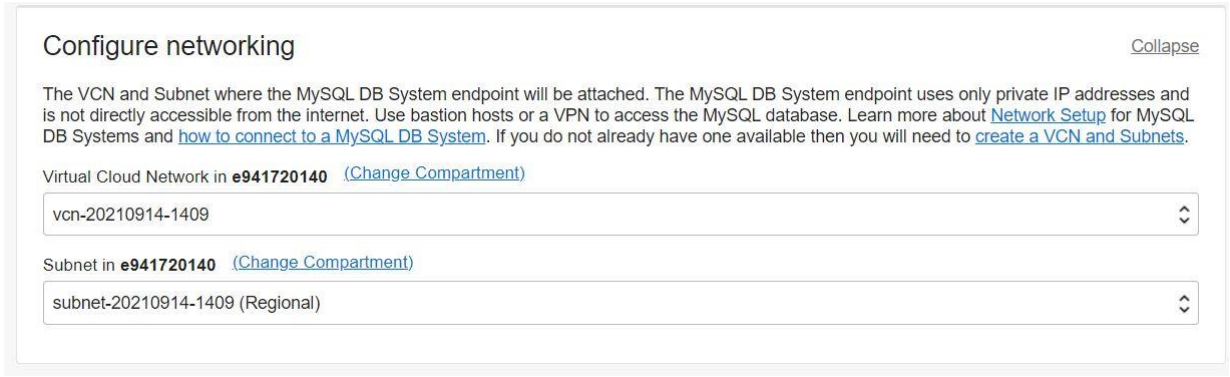
The VCN and Subnet where the MySQL DB System endpoint will be attached. The MySQL DB System endpoint uses only private IP addresses and is not directly accessible from the internet. Use bastion hosts or a VPN to access the MySQL database. Learn more about Network Setup for MySQL DB Systems and how to connect to a MySQL DB System. If you do not already have one available then you will need to create a VCN and Subnets.

Virtual Cloud Network in **e941720140** (Change Compartment)

vcn-20210914-1409

Subnet in **e941720140** (Change Compartment)

subnet-20210914-1409 (Regional)



```
![Screenshot Dashboard Oracle](img/4.jpg)
```

Configure placement

Collapse

The 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.

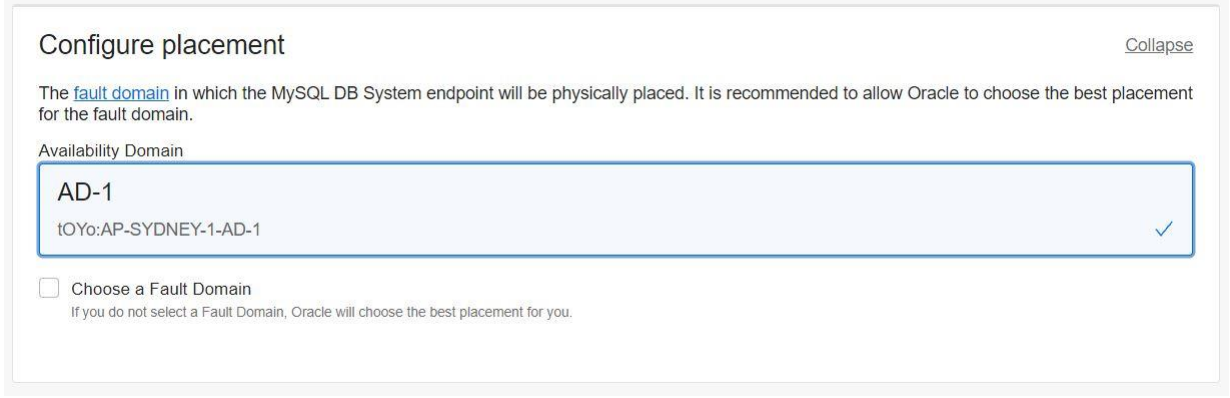
Availability Domain

AD-1

tOYo:AP-SYDNEY-1-AD-1 ✓

Choose a Fault Domain

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



```
![Screenshot Dashboard Oracle](img/5.jpg)
```

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.

```
![Screenshot Dashboard Oracle](img/6.jpg)
```

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.

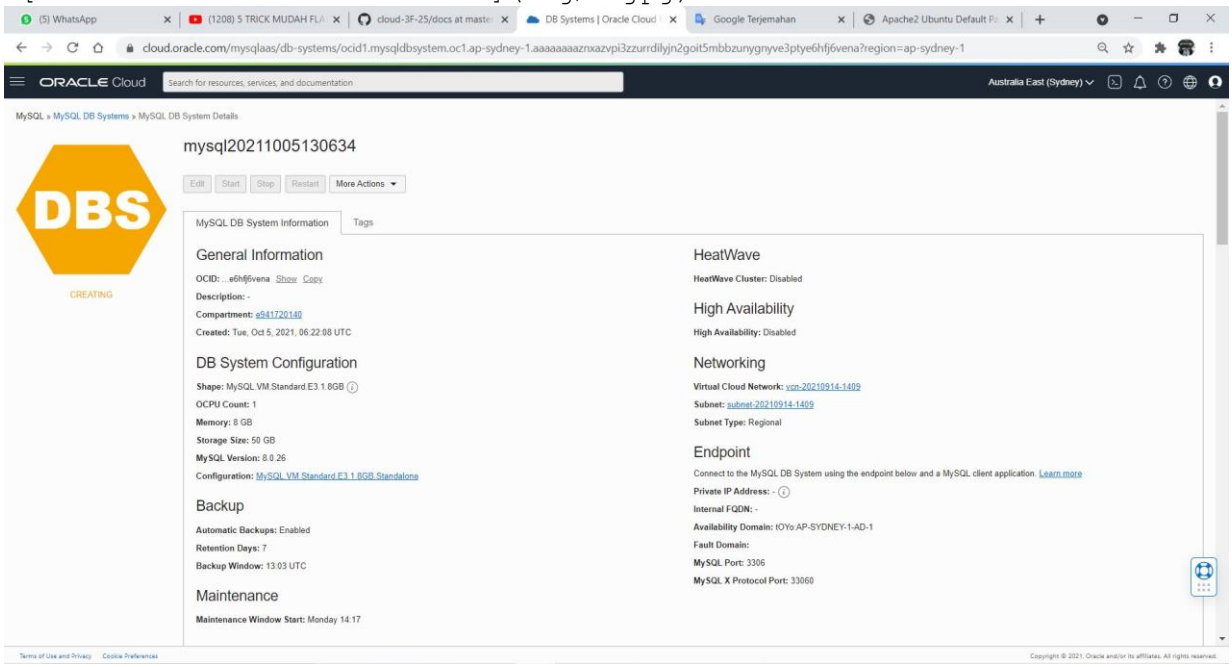
7

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

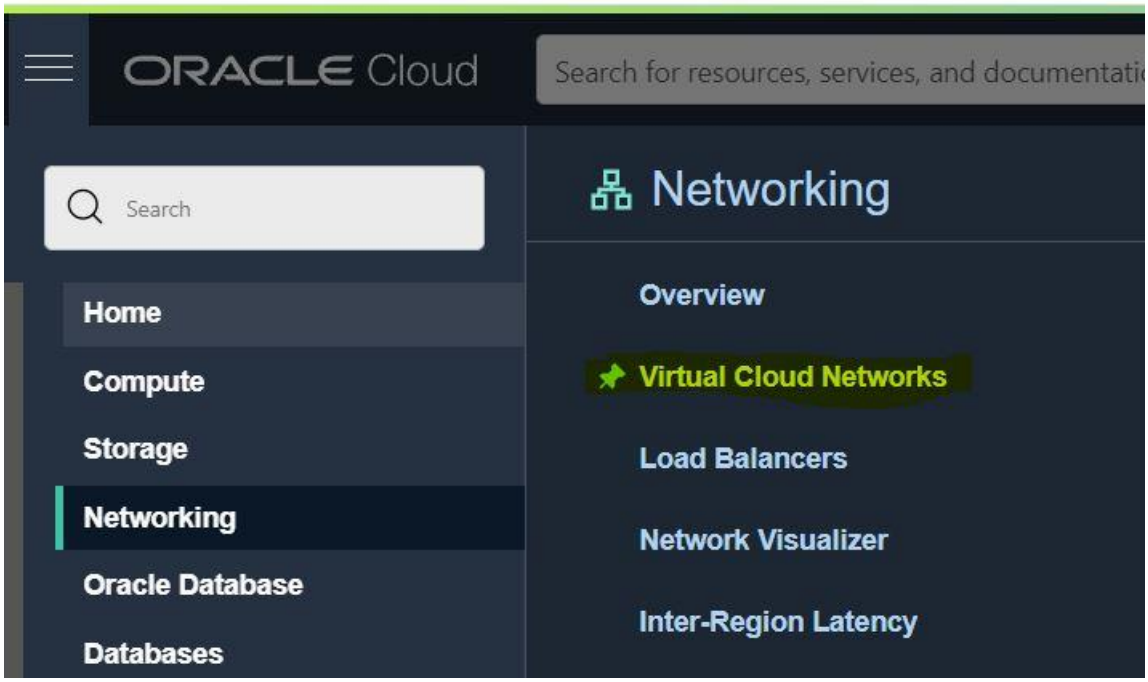
Show Advanced Options

Create Cancel

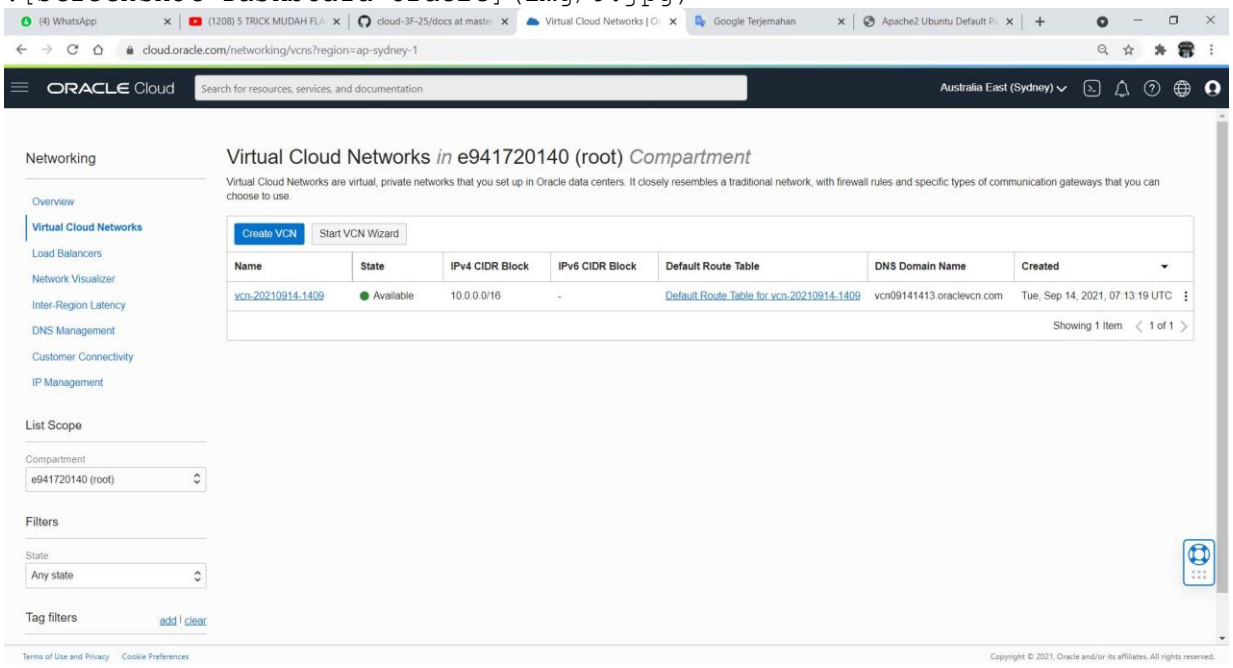


![Screenshot Dashboard Oracle](img/7.jpg)

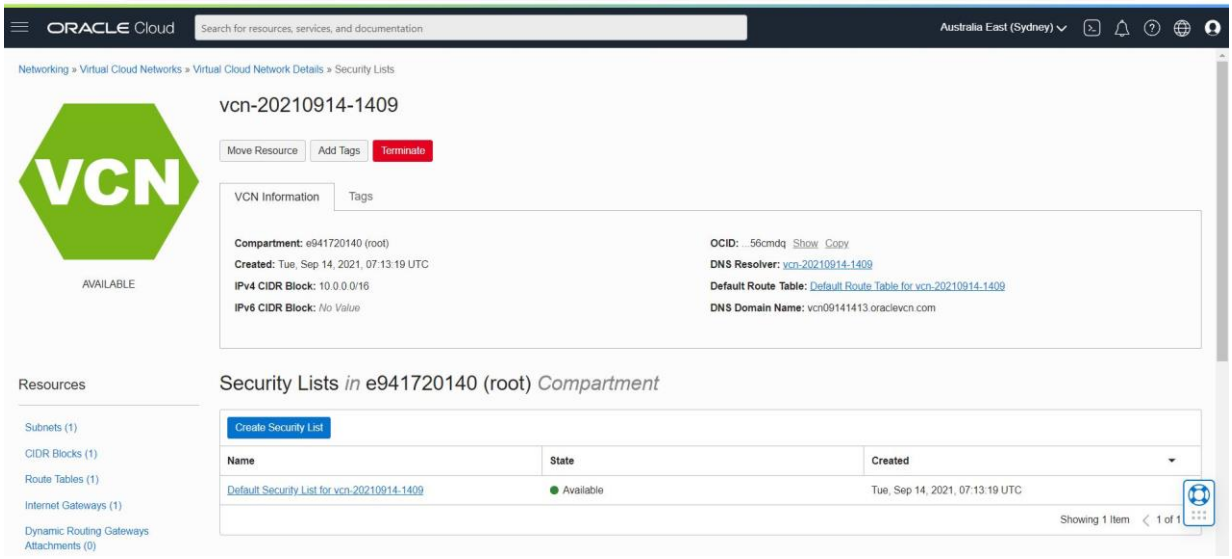
![Screenshot Dashboard Oracle](img/8.jpg)

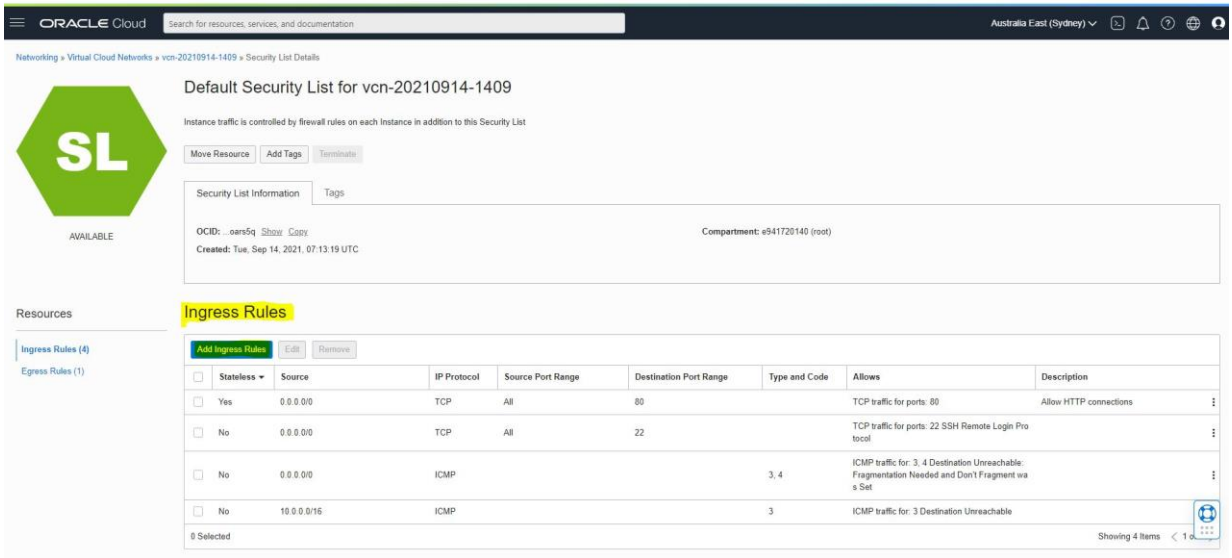

ORACLE Cloud
Search for resources, services, and documentati
Search
Networking
Home
Compute
Storage
Networking
Oracle Database
Databases
Overview
Virtual Cloud Networks
Load Balancers
Network Visualizer
Inter-Region Latency

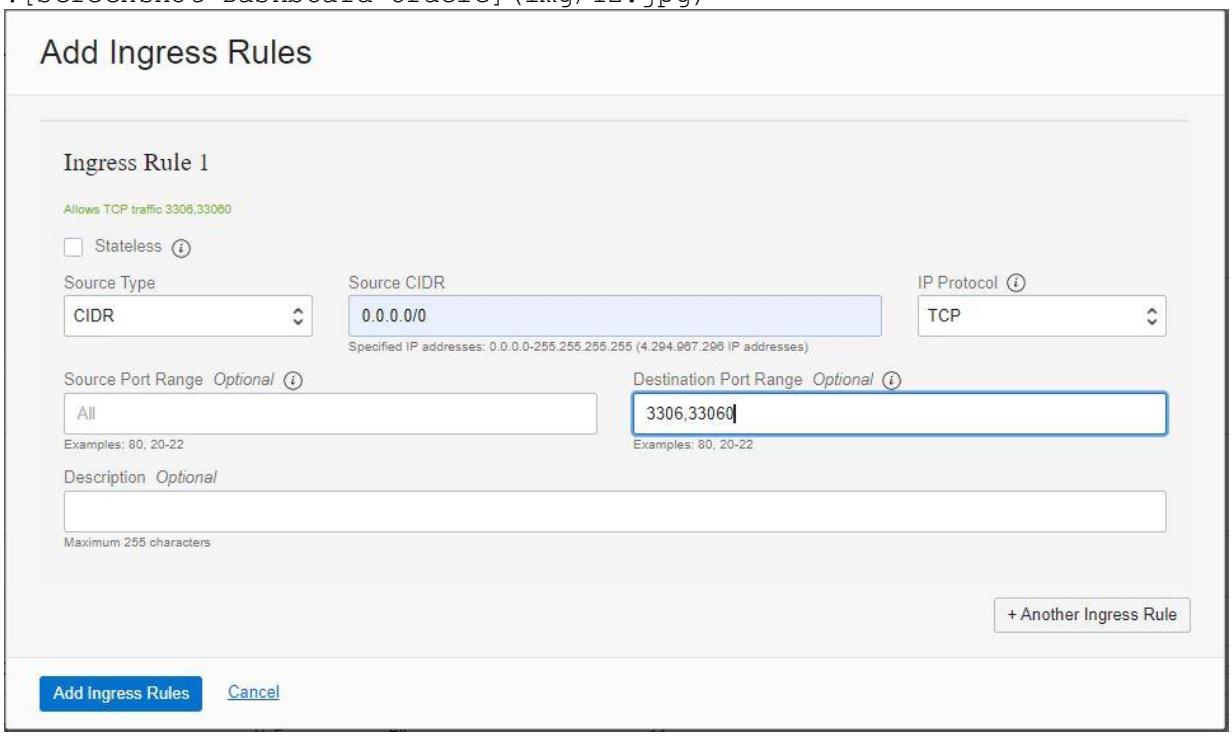
```
![Screenshot Dashboard Oracle](img/9.jpg)
```


cloud.oracle.com/networking/vcns?region=ap-sydney-1
ORACLE Cloud
Search for resources, services, and documentation
Australia East (Sydney)
Networking
Overview
Virtual Cloud Networks
Load Balancers
Network Visualizer
Inter-Region Latency
DNS Management
Customer Connectivity
IP Management
List Scope
Compartment
e941720140 (root)
Filters
State
Any state
Tag filters
add | clear
Virtual Cloud Networks in e941720140 (root) Compartment
Virtual Cloud Networks are virtual, private networks that you set up in Oracle data centers. It closely resembles a traditional network, with firewall rules and specific types of communication gateways that you can choose to use.
Create VCN
Start VCN Wizard
Name
State
IPv4 CIDR Block
IPv6 CIDR Block
Default Route Table
DNS Domain Name
Created
vcn-20210914-1409
Available
10.0.0.0/16
-
Default Route Table for vcn-20210914-1409
vcn09141413.oraclevcn.com
Tue, Sep 14, 2021, 07:13:19 UTC
Showing 1 Item
1 of 1
Terms of Use and Privacy
Cookie Preferences
Copyright © 2021, Oracle and/or its affiliates. All rights reserved.

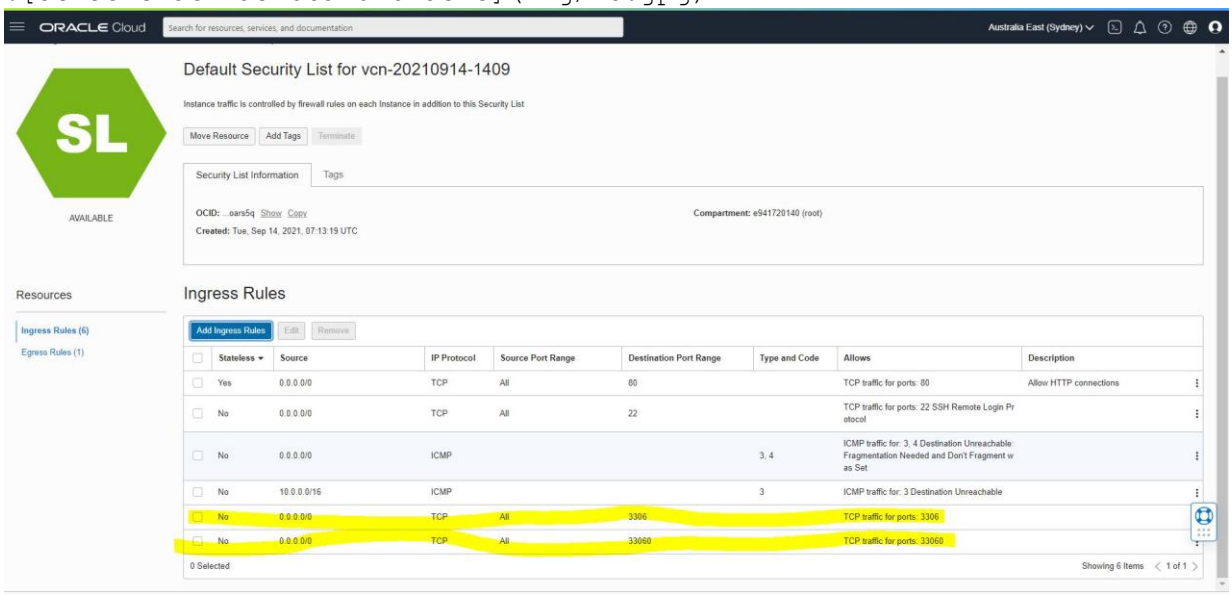
```
![Screenshot Dashboard Oracle](img/10.jpg)
```


ORACLE Cloud
Search for resources, services, and documentation
Australia East (Sydney)
Networking » Virtual Cloud Networks » Virtual Cloud Network Details » Security Lists
vcn-20210914-1409
VCN
AVAILABLE
Move Resource
Add Tags
Terminate
VCN Information
Tags
Compartment: e941720140 (root)
Created: Tue, Sep 14, 2021, 07:13:19 UTC
IPv4 CIDR Block: 10.0.0.0/16
IPv6 CIDR Block: No Value
OCID: ...56cmdq Show Copy
DNS Resolver: vcn-20210914-1409
Default Route Table: Default Route Table for vcn-20210914-1409
DNS Domain Name: vcn09141413.oraclevcn.com
Resources
Subnets (1)
CIDR Blocks (1)
Route Tables (1)
Internet Gateways (1)
Dynamic Routing Gateways Attachments (0)
Security Lists in e941720140 (root) Compartment
Create Security List
Name
State
Created
Default Security List for vcn-20210914-1409
Available
Tue, Sep 14, 2021, 07:13:19 UTC
Showing 1 Item
1 of 1


ORACLE Cloud
Search for resources, services, and documentation
Australia East (Sydney)
Networking » Virtual Cloud Networks » vcn-20210914-1409 » Security List Details
Default Security List for vcn-20210914-1409
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: ...oars5q Show Copy
Created: Tue, Sep 14, 2021, 07:13:19 UTC
Compartment: e941720140 (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
Yes 0.0.0.0/0 TCP All 80 TCP traffic for ports: 80 Allow HTTP connections
No 0.0.0.0/0 TCP All 22 TCP traffic for ports: 22 SSH Remote Login Protocol
No 0.0.0.0/0 ICMP 3, 4 ICMP traffic for: 3, 4 Destination Unreachable: Fragmentation Needed and Don't Fragment was Set
No 10.0.0.0/16 ICMP 3 ICMP traffic for: 3 Destination Unreachable
0 Selected
Showing 4 Items


Add Ingress Rules
Ingress Rule 1
Allows TCP traffic 3306,33060
Stateless
Source Type
CIDR
Source CIDR
0.0.0.0/0
Specified IP addresses: 0.0.0.0-255.255.255.255 (4,294,967,296 IP addresses)
IP Protocol
TCP
Source Port Range Optional
All
Examples: 80, 20-22
Destination Port Range Optional
3306,33060
Examples: 80, 20-22
Description Optional
Maximum 255 characters
+ Another Ingress Rule
Add Ingress Rules
Cancel

![Screenshot Dashboard Oracle](img/13.jpg)



![Screenshot Dashboard Oracle](img/14.jpg)

```
Last login: Tue Oct  5 05:17:53 2021 from 139.195.213.109
ubuntu@vm-ubuntu2:~$ mysql

Command 'mysql' 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
```

![Screenshot Dashboard Oracle](img/15.jpg)

```
ubuntu@vm-ubuntu2:~$ 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 29 not upgraded.
Need to get 4218 kB of archives.
After this operation, 64.8 MB of additional disk space will be used.
Get:1 http://ap-sydney-1-ad-1.clouds.archive.ubuntu.com/ubuntu focal-updates/main amd64 mysql-client-core-8.0 amd64 8.0.26-0ubuntu0.20.04.3 [4218 kB]
Fetched 4218 kB in 3s (1586 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) ...
```

![Screenshot Dashboard Oracle](img/16.jpg)