KOMPUTASI AWAN

Tugas 4 - VCN

Oleh:
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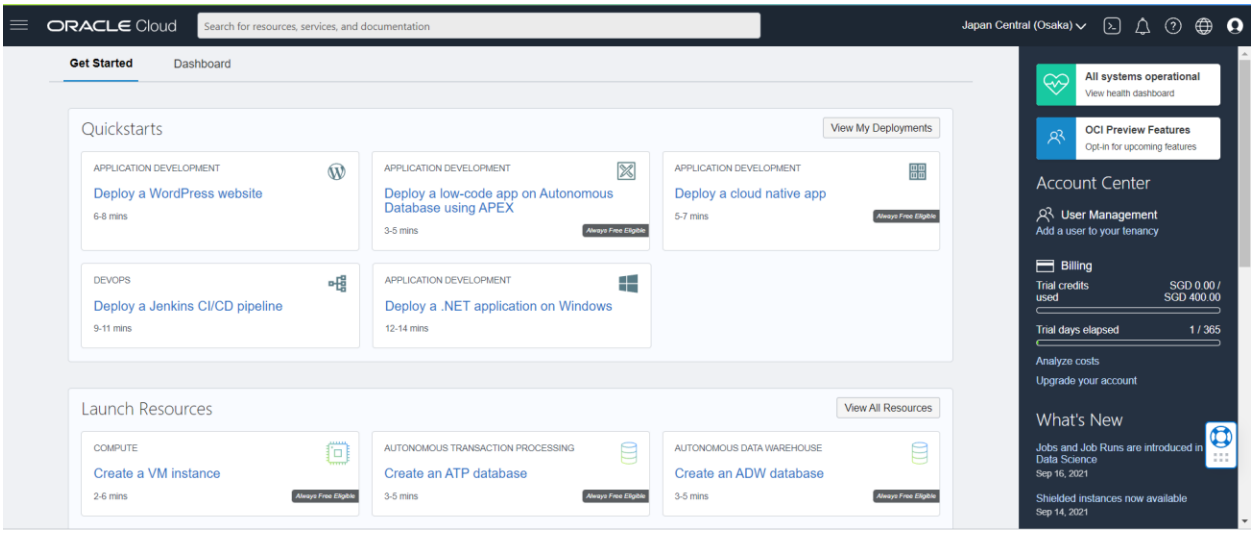
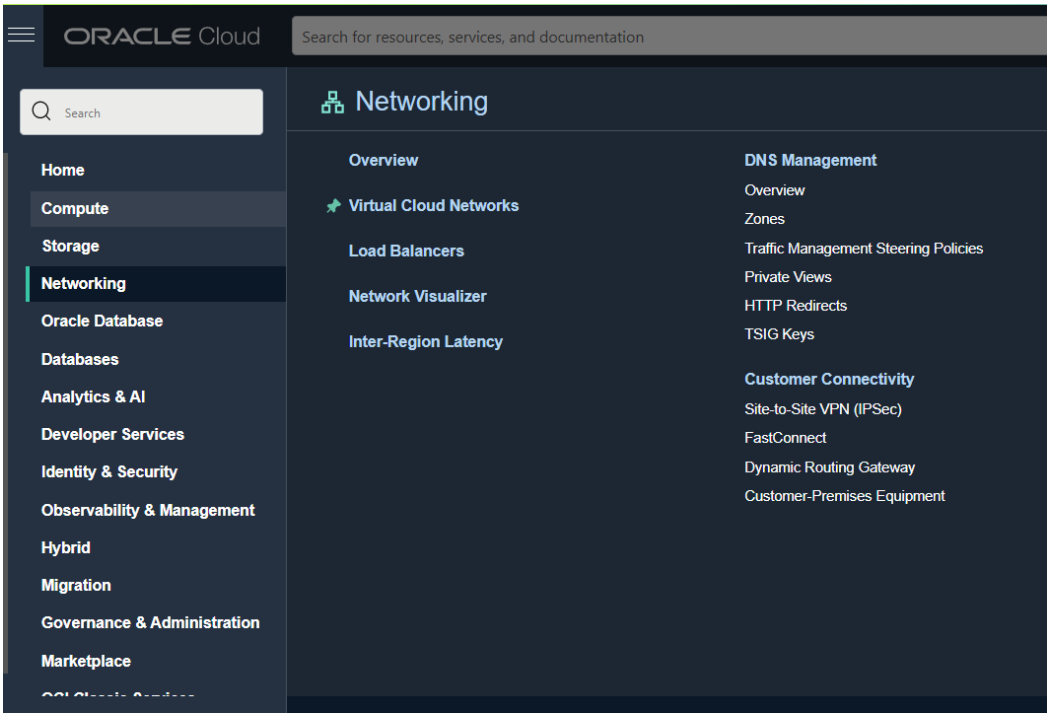
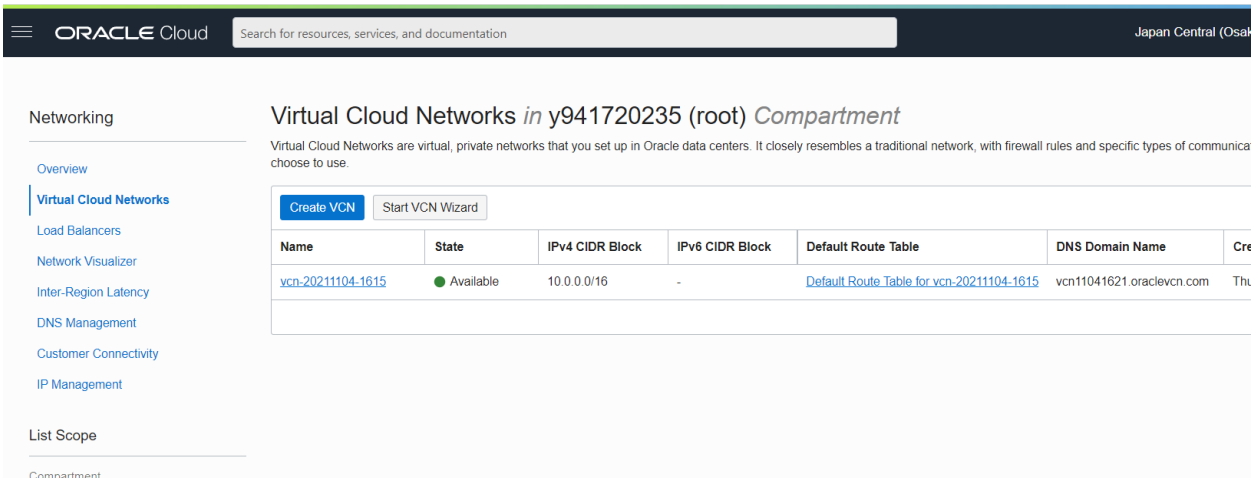
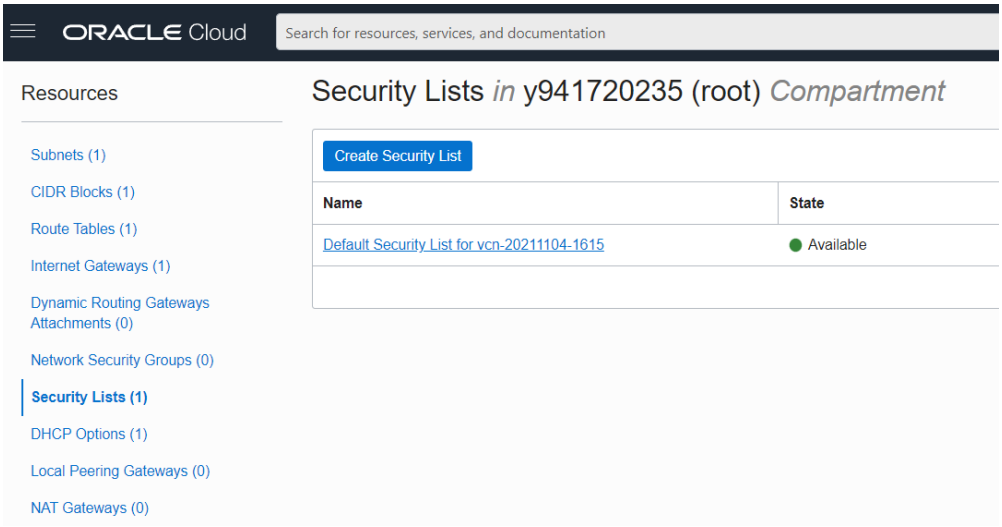
PROGRAM STUDI TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG

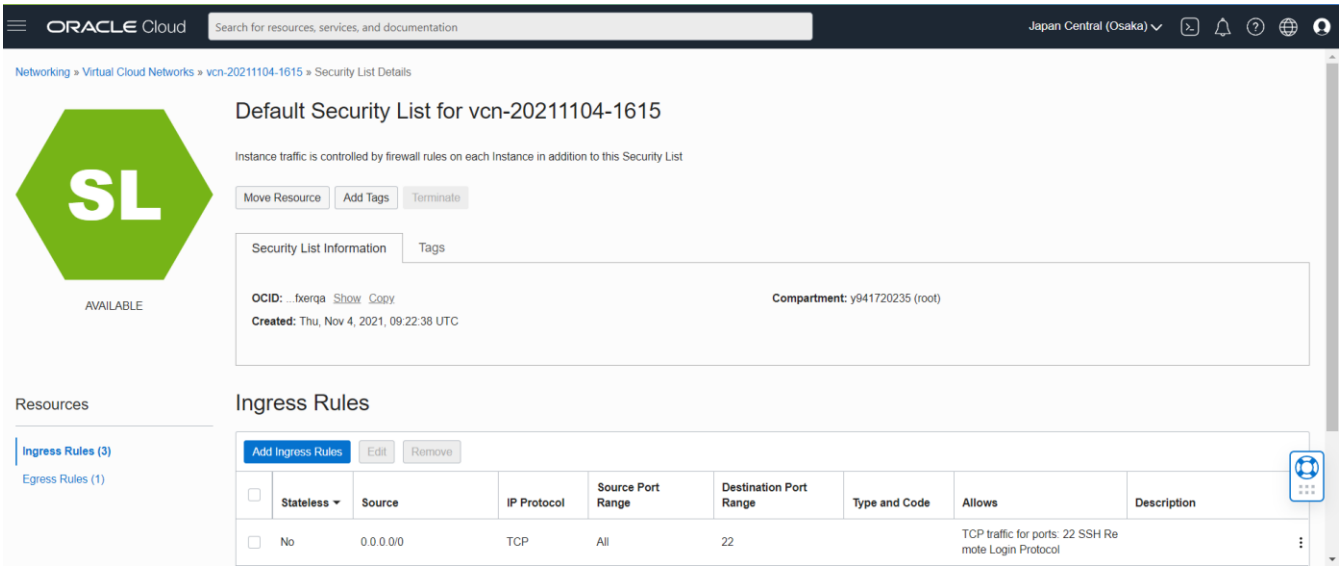
Praktikum 1 : Mengaktifkan Port 80 melalui VCN di Oracle Cloud

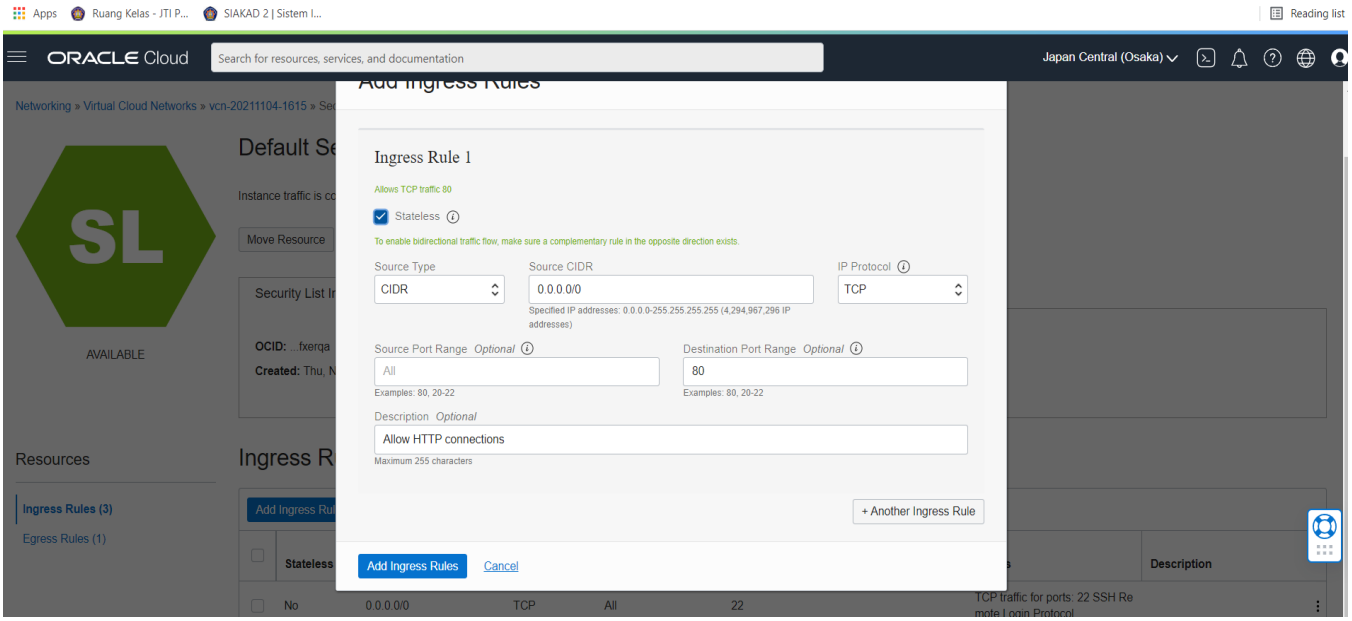


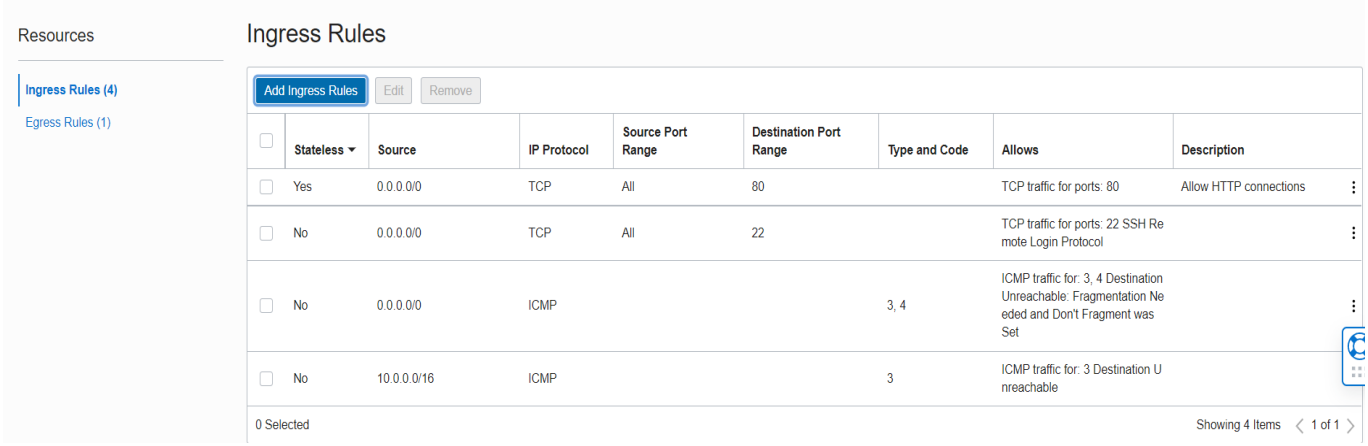



ORACLE Cloud
Search for resources, services, and documentation
Japan Central (Osak
Networking
Overview
Virtual Cloud Networks
Load Balancers
Network Visualizer
Inter-Region Latency
DNS Management
Customer Connectivity
IP Management
List Scope
Virtual Cloud Networks in y941720235 (root) Compartment
Virtual 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 communica
choose to use.
Create VCN
Start VCN Wizard
Name
State
IPv4 CIDR Block
IPv6 CIDR Block
Default Route Table
DNS Domain Name
vcn-20211104-1615
Available
10.0.0.0/16
-
Default Route Table for vcn-20211104-1615
vcn11041621.oraclevcn.com

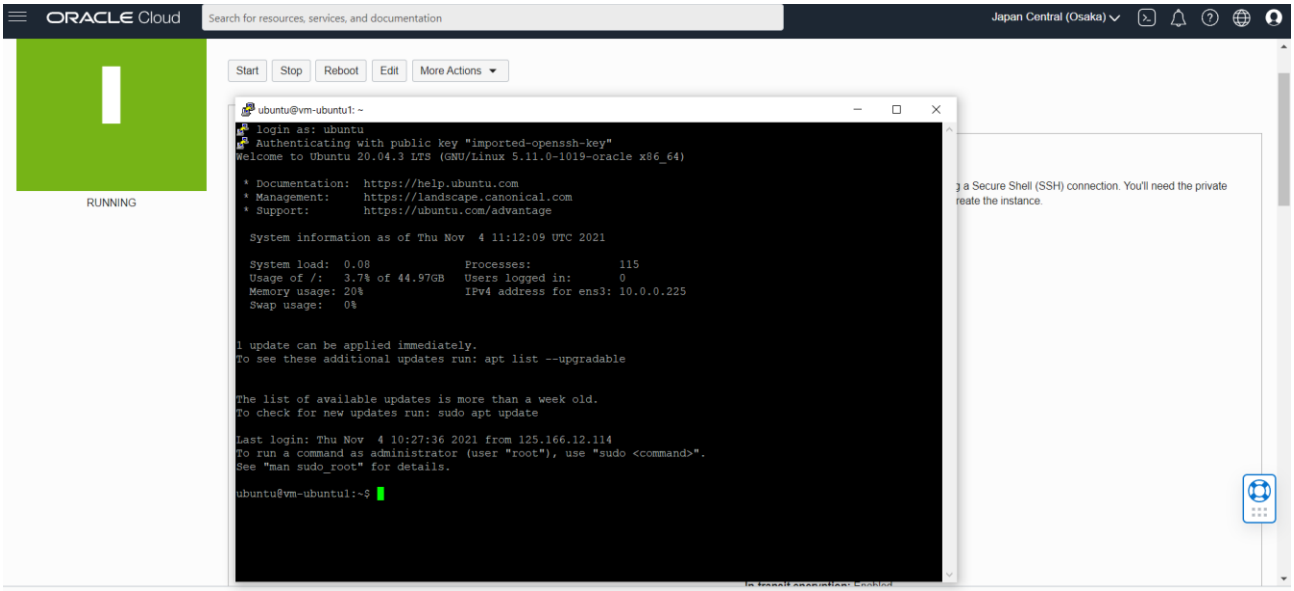

ORACLE Cloud
Search for resources, services, and documentation
Resources
Subnets (1)
CIDR Blocks (1)
Route Tables (1)
Internet Gateways (1)
Dynamic Routing Gateways Attachments (0)
Network Security Groups (0)
Security Lists (1)
DHCP Options (1)
Local Peering Gateways (0)
NAT Gateways (0)
Security Lists in y941720235 (root) Compartment
Create Security List
Name
State
Default Security List for vcn-20211104-1615
Available

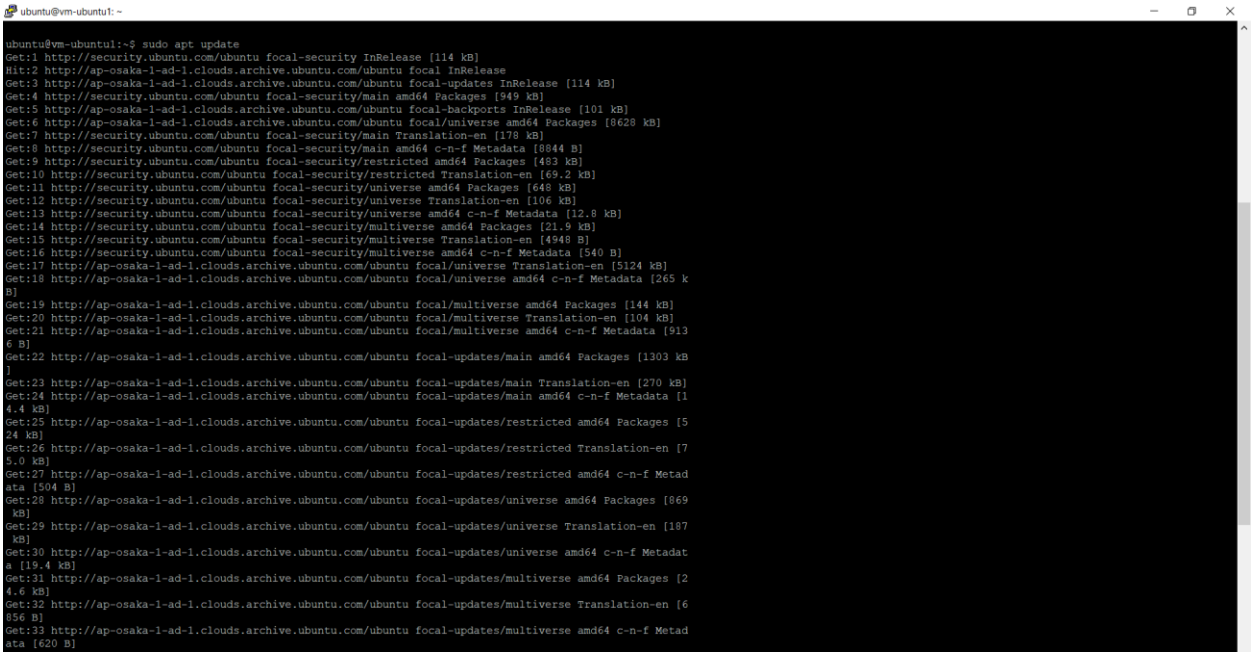

ORACLE Cloud
Search for resources, services, and documentation
Japan Central (Osaka)
Networking » Virtual Cloud Networks » vcn-20211104-1615 » Security List Details
SL
AVAILABLE
Default Security List for vcn-20211104-1615
Instance traffic is controlled by firewall rules on each Instance in addition to this Security List
Move Resource
Add Tags
Terminate
Security List Information
Tags
OCID: ...fxerqa Show Copy
Created: Thu, Nov 4, 2021, 09:22:38 UTC
Compartment: y941720235 (root)
Resources
Ingress Rules (3)
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
No
0.0.0.0/0
TCP
All
22
TCP traffic for ports: 22 SSH Remote Login Protocol

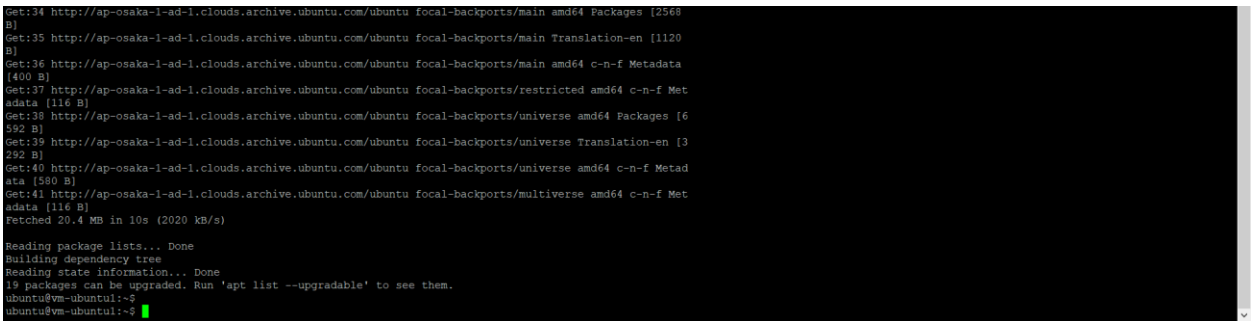

Apps
Ruang Kelas - JTI P...
SIAKAD 2 | Sistem I...
Reading list
ORACLE Cloud
Search for resources, services, and documentation
Japan Central (Osaka)
Networking » Virtual Cloud Networks » vcn-20211104-1615 » Se
Default Se
SL
AVAILABLE
Move Resource
Security List In
OCID: ...fxerqa
Created: Thu, N
Resources
Ingress Rules (3)
Egress Rules (1)
Ingress R
Add Ingress Rul
Stateless
Description
No
0.0.0.0/0
TCP
All
22
TCP traffic for ports: 22 SSH Re
mote Login Protocol
Add Ingress Rules
Ingress Rule 1
Allows TCP traffic 80
Stateless
To enable bidirectional traffic flow, make sure a complementary rule in the opposite direction exists.
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
80
Examples: 80, 20-22
Description Optional
Allow HTTP connections
Maximum 255 characters
+ Another Ingress Rule
Add Ingress Rules
Cancel


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 Re mote Login Protocol
No
0.0.0.0/0
ICMP
3, 4
ICMP traffic for: 3, 4 Destination Unreachable: Fragmentation Ne eded and Don't Fragment was Set
No
10.0.0.0/16
ICMP
3
ICMP traffic for: 3 Destination U nreachable
0 Selected
Showing 4 Items
1 of 1

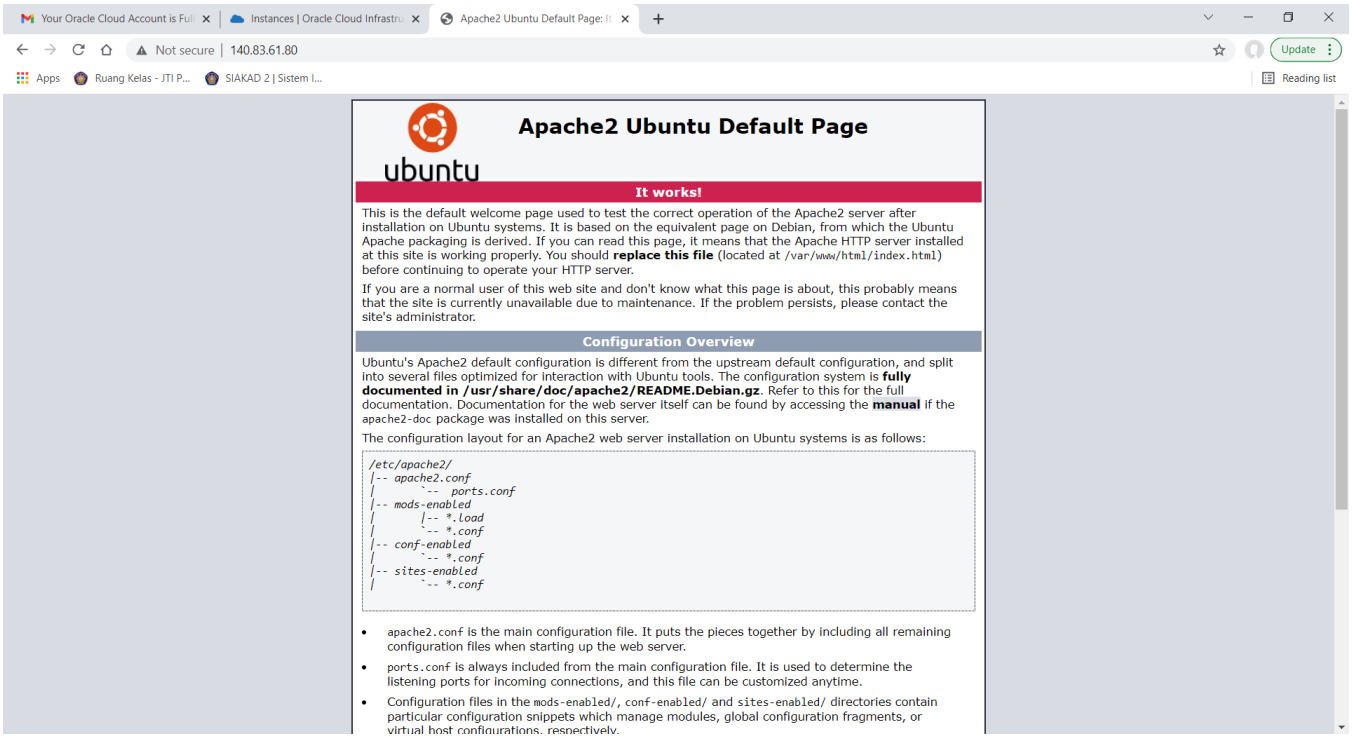
Praktikum 2 : setup Apache di VM







```
ubuntu@vm-ubuntu1:~$
ubuntu@vm-ubuntu1:~$ sudo apt -y install apache2
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap
  libjansson4 liblua5.2-0 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser openssl-blacklist
```

```
ubuntu@vm-ubuntu1:~$ sudo systemctl restart apache2
ubuntu@vm-ubuntu1:~$
```

```
ubuntu@vm-ubuntu1:~$ sudo systemctl restart apache2
ubuntu@vm-ubuntu1:~$
```