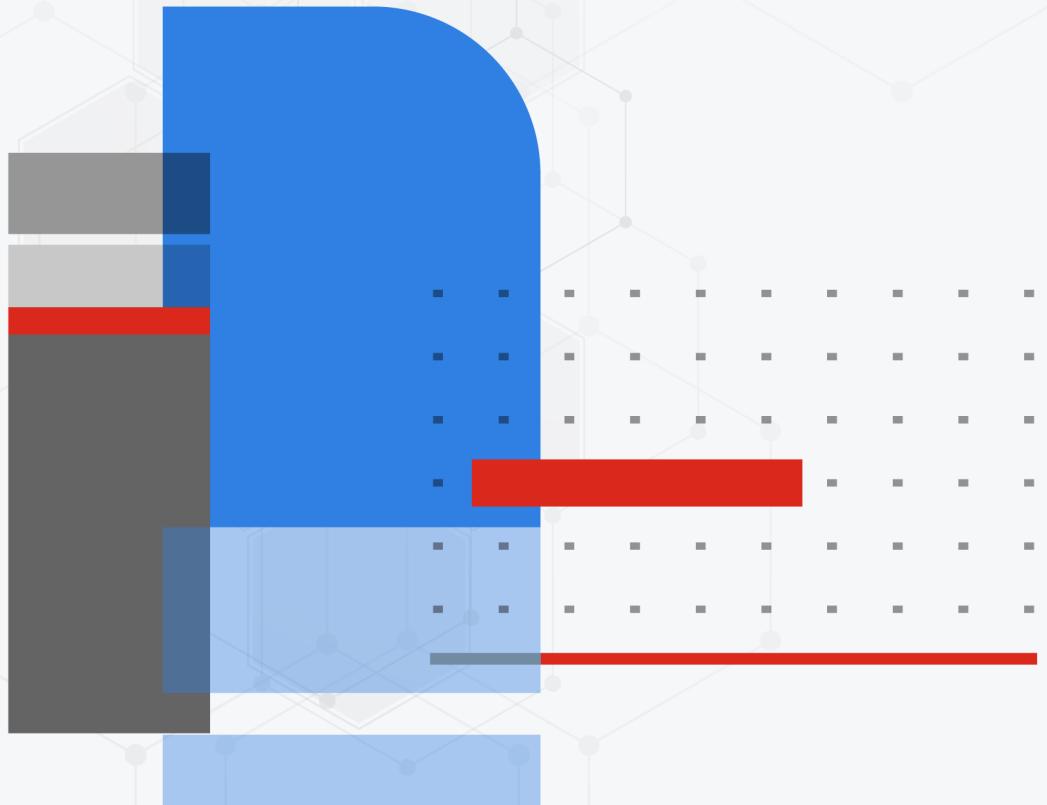




# OCI Deployment Guide

FortiMail 7.0.0



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**FEEDBACK**

Email: [techdoc@fortinet.com](mailto:techdoc@fortinet.com)

November 4, 2024

FortiMail 7.0.0 OCI Deployment Guide

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# Change Log

Date	Change Description
2024-11-04	Republication in HTML and PDF of FortiMail 7.0.0 OCI Deployment Guide

# Introduction

This document describes how to deploy FortiMail VM on Oracle Cloud Infrastructure (OCI). Note that some company or product related information is hidden on purpose in the screen captures.

For details about how to use FortiMail, see the FortiMail Administration Guide on <https://docs.fortinet.com>.

# Creating a Virtual Cloud Network and Public-facing Subnet

1. In OCI, go to Networking > Virtual Cloud Networks, and click Create Virtual Cloud Network.

Networking      **Virtual Cloud Networks in fortinetoraclecloud1 (root) Compartment**

Virtual Cloud Networks are virtual, private networks that you set up in Oracle data centers. It closely resembles a traditional network, with a VCN being the equivalent of a physical network and subnets being the equivalent of physical subnets.

Overview      **Virtual Cloud Networks**      Create VCN      Start VCN Wizard

2. Enter the NAME and IPV4 CIDR BLOCK, then Create VCN.

Create a Virtual Cloud Network Help

NAME

CREATE IN COMPARTMENT

CIDR Blocks

(i) The IP ranges of the CIDR blocks must not overlap. [Learn more](#).

IPV4 CIDR BLOCK  X

Specified IP addresses: 10.0.0.0-10.0.255.255 (65,536 IP addresses)

ENABLE IPV6 CIDR BLOCK  
Enables resources in the VCN to have IPv6 addresses. Oracle automatically assigns a /56 block. [Learn more](#).

DNS RESOLUTION

USE DNS HOSTNAMES IN THIS VCN  
Required for instance hostname assignment if you plan to use VCN DNS or a third-party DNS. This choice cannot be changed after the VCN is created. [Learn more](#).

DNS LABEL   
Only letters and numbers, starting with a letter. 15 characters max.

DNS DOMAIN NAME READ-ONLY

3. In the VCN details page, create a public-facing subnet.

## Creating a Virtual Cloud Network and Public-facing Subnet

Networking » Virtual Cloud Networks » Virtual Cloud Network Details

**fml\_vcn**

Move Resource Add Tags **Terminate**

VCN Information Tags

**Compartment:** fortinetoraclecloud1 (root) **OCID:** ...5qr4sa [Show](#) [Copy](#)

**Created:** Wed, Apr 21, 2021, 06:11:07 UTC **DNS Resolver:** fml\_vcn

**IPv4 CIDR Block:** 10.0.0.0/16 **Default Route Table:** [Default Route Table for fml\\_vcn](#)

**IPv6 CIDR Block:** No Value **DNS Domain Name:** fmlvcn.oraclevcn.com

AVAILABLE

Resources

Subnets *in* fortinetoraclecloud1 (root) *Compartment*

**Create Subnet**

Name	State	IPv4 CIDR Block	Subnet Access
			No items found.

4. When creating the subnet, choose SUBNET TYPE as Regional, SUBNET ACCESS as Public Subnet.

### Create Subnet

NAME  
fml\_vcn\_public\_sub

CREATE IN COMPARTMENT  
fortinetoraclecloud1 (root)

SUBNET TYPE  
**Regional (Recommended)**  Instances in the subnet can be created in any availability domain in the region. Useful for high availability.

**Availability Domain-specific**  Instances in the subnet can only be created in one availability domain in the region.

CIDR Block  
CIDR BLOCK  
10.0.0.0/24  
Specified IP addresses: 10.0.0.0-10.0.0.255 (256 IP addresses)

ROUTE TABLE COMPARTMENT IN FORTINETORACLECLOUD1 (ROOT) [\(CHANGE COMPARTMENT\)](#)  
Default Route Table for fml\_vcn

SUBNET ACCESS  
**Private Subnet**  Prohibit public IP addresses for Instances in this Subnet  
**Public Subnet**  Allow public IP addresses for Instances in this Subnet

Leave ROUTE TABLE, DHCP OPTIONS, and SECURITY LIST as default, and you will need to modify them later.

## Creating a Virtual Cloud Network and Public-facing Subnet

DNS LABEL  
fm1vcnpublicsub  
Only letters and numbers, starting with a letter. 15 characters max.

DNS DOMAIN NAME READ-ONLY  
<dns-label>.fm1vcn.oraclevcn.com

DHCP OPTIONS COMPARTMENT IN FORTINETORACLECLOUD1 (ROOT) (CHANGE COMPARTMENT)  
Default DHCP Options for fm1\_vcn

**Security Lists**

You can associate up to 5 network security lists with the subnet.

SECURITY LIST COMPARTMENT IN FORTINETORACLECLOUD1 (ROOT) (CHANGE COMPARTMENT)  
Default Security List for fm1\_vcn

[+ Another Security List](#)

[Show Tagging Options](#)

[Create Subnet](#) [Cancel](#)

5. To access FortiMail with HTTPS, add an Ingress Rule in Default Security List.

You will see that three rules are set up by default, including port 22 for SSH access. There would be more ports needed for later testing, such as port 25 for SMTP, and you can always add or modify these rules later.

Networking > Virtual Cloud Networks > fm1\_vcn > Security List Details

Subnet provisioning successfully initiated.

**Default Security List for fm1\_vcn**

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: ...3xwjqq Show Copy Compartment: fortinetoraclecloud1 (root)  
Created: Wed, Apr 21, 2021, 06:11:07 UTC

**Resources**

**Ingress Rules**

Add Ingress Rules Edit Remove

<input type="checkbox"/>	Stateless	Source	IP Protocol	Source Port Range	Destination Port Range	Type and Code	Allows
<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

Add an Ingress Rule as below, and set IP PROTOCOL as TCP and DESTINATION PORT as 443.

Ingress Rule 1

Allows TCP traffic 443 HTTPS

STATELESS [\(i\)](#)

SOURCE TYPE: CIDR [\(i\)](#)

SOURCE CIDR: 0.0.0.0/0 [\(i\)](#)  
Specified IP addresses: 0.0.0.0-255.255.255.255 (4,294,967,296 IP addresses)

IP PROTOCOL: TCP [\(i\)](#)

SOURCE PORT RANGE: OPTIONAL [\(i\)](#)  
All [\(i\)](#)  
Examples: 80, 20-22

DESTINATION PORT RANGE: OPTIONAL [\(i\)](#)  
443 [\(i\)](#)  
Examples: 80, 20-22

DESCRIPTION: OPTIONAL  
Maximum 255 characters

The Egress Rules are set for ALL TRAFFIC FOR ALL PORTS, and there is no need to modify it.

Resources	Egress Rules								
		<a href="#">Add Egress Rules</a>	<a href="#">Edit</a>	<a href="#">Remove</a>					
		<input type="checkbox"/> Stateless	Destination	IP Protocol	Source Port Range	Destination Port Range	Type and Code	Allows	Description
		<input type="checkbox"/> No	0.0.0.0	All Protocols				All traffic for all ports	
0 Selected								Showing 1 Item < 1 of 1 >	

## 6. Create an Internet Gateway for your VCN.

Networking » Virtual Cloud Networks » Virtual Cloud Network Details » Internet Gateways

**fml\_vcn**

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

VCN Information [Tags](#)

**Compartment:** fortinetoraclecloud1 (root)  
**Created:** Wed, Apr 21, 2021, 06:11:07 UTC  
**IPv4 CIDR Block:** 10.0.0.0/16  
**IPv6 CIDR Block:** No Value

**OCID:** ...5qr4sa [Show](#) [Copy](#)  
**DNS Resolver:** [fml\\_vcn](#)  
**Default Route Table:** Default Route Table for fml\_vcn  
**DNS Domain Name:** fmlvcn.oraclevcn.com

Resources	Internet Gateways <i>in</i> fortinetoraclecloud1 (root) Compartment		
<a href="#">Create Internet Gateway</a>			
Name	State	Created	
			No items found.

Create Internet Gateway Help Cancel

NAME

CREATE IN COMPARTMENT

Tagging is a metadata system that allows you to organize and track resources within your tenancy. Tags are composed of keys and values that can be attached to resources. [Learn more about tagging](#)

TAG NAMESPACE	TAG KEY	VALUE
None (add a free-form tag) <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/> <span style="color: red;">X</span>

[+ Additional Tag](#)

Create Internet Gateway Cancel

### 7. Add a Route Rule for the Default Route Table.

[Networking](#) » [Virtual Cloud Networks](#) » [fml\\_vcn](#) » Route Table Details

**Default Route Table for fml\_vcn**

RT AVAILABLE

Move Resource Add Tags Terminate

Route Table Information Tags

**OCID:** ...s7666q [Show](#) [Copy](#)  
**Created:** Wed, Apr 21, 2021, 06:11:07 UTC

### Resources

Route Rules (0)

### Route Rules

<span style="border: 1px solid #0070C0; padding: 2px 10px; border-radius: 5px;">Add Route Rules</span> <span style="border: 1px solid #ccc; padding: 2px 10px; border-radius: 5px;">Edit</span> <span style="border: 1px solid #ccc; padding: 2px 10px; border-radius: 5px;">Remove</span>		
<input type="checkbox"/>	Destination	Target Type
0 Selected		

Choose TARGET TYPE as Internet Gateway, and choose the gateway you just created, and you can set DESTINATION CIDR BLOCK as 0.0.0.0/0 for all.

### Add Route Rules

[Help](#)

**Important:**  
For a route rule that targets a Private IP, you must first enable "Skip Source/Destination Check" on the VNIC that the Private IP is assigned to.

**Route Rule**

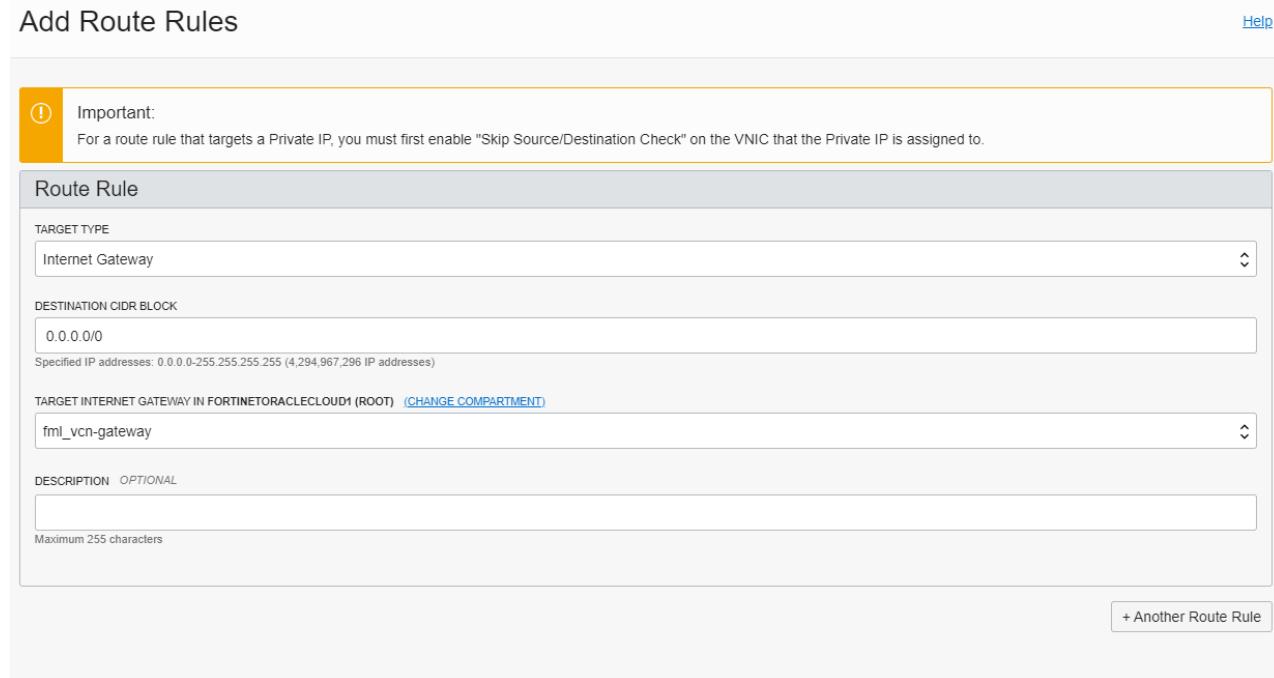
**TARGET TYPE**  
Internet Gateway

**DESTINATION CIDR BLOCK**  
0.0.0.0/0  
Specified IP addresses: 0.0.0.0-255.255.255.255 (4,294,967,296 IP addresses)

**TARGET INTERNET GATEWAY IN FORTINETORACLECLOUD1 (ROOT)** [\(CHANGE COMPARTMENT\)](#)  
fml\_vcn-gateway

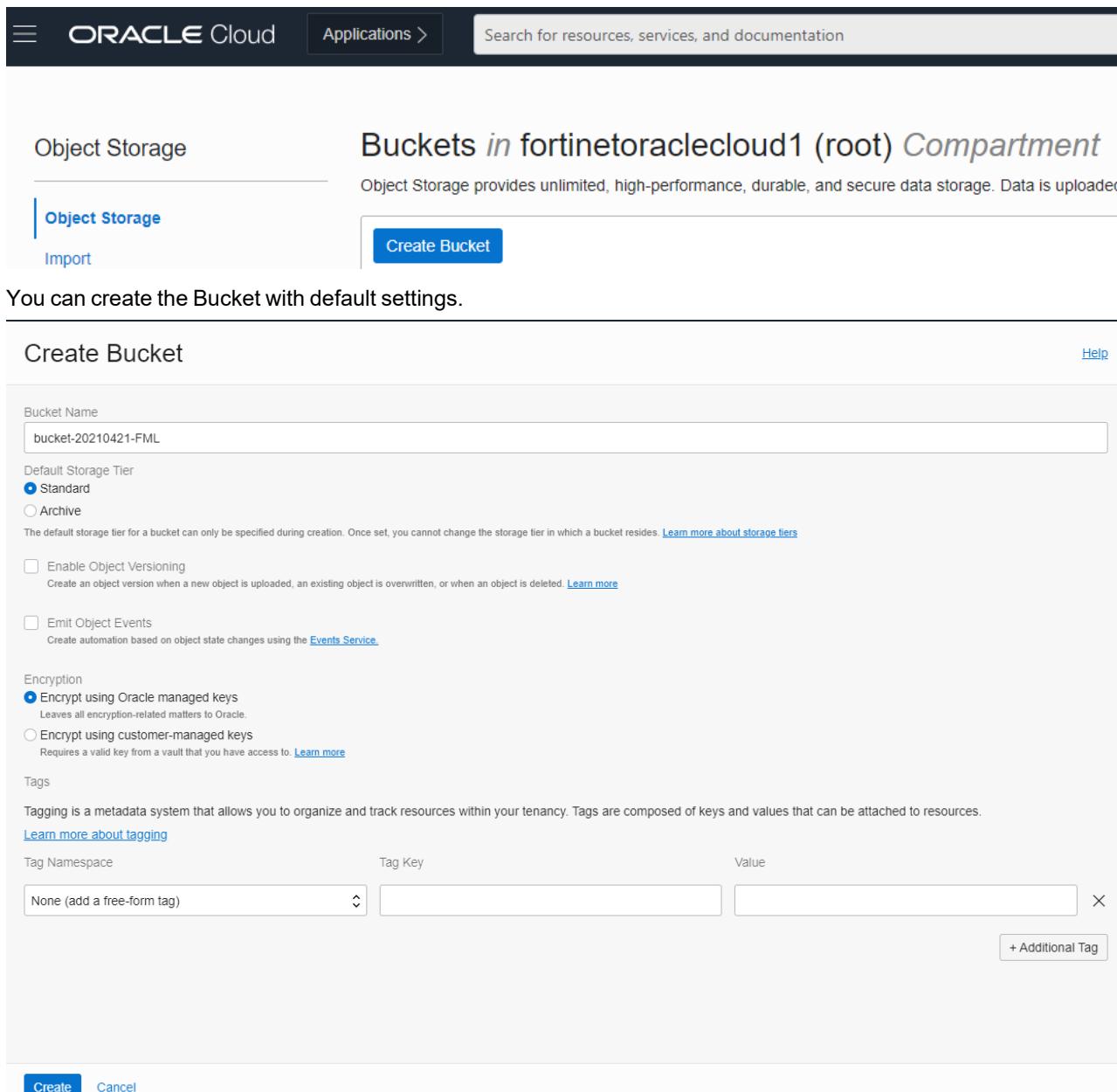
**DESCRIPTION** OPTIONAL  
Maximum 255 characters

[+ Another Route Rule](#)



# Creating a FortiMail-VM Instance

1. Go to <https://support.fortinet.com> and download the FortiMail VM image FML\_VMOC-64-vxx-build0xxx-FORTINET.out.open xen.zip file. Unzip it to get the 'fortimail-opc.qcow2' file, which is needed to deploy FortiMail on OCI.
2. On OCI, go to Object Storage, then click Create Bucket to create a standard storage bucket.



Object Storage Buckets *in fortinetoraclecloud1 (root) Compartment*

Object Storage provides unlimited, high-performance, durable, and secure data storage. Data is uploaded

**Create Bucket**

You can create the Bucket with default settings.

**Create Bucket** [Help](#)

Bucket Name

Default Storage Tier  Standard  Archive

The default storage tier for a bucket can only be specified during creation. Once set, you cannot change the storage tier in which a bucket resides. [Learn more about storage tiers](#)

Enable Object Versioning Create an object version when a new object is uploaded, an existing object is overwritten, or when an object is deleted. [Learn more](#)

Emit Object Events Create automation based on object state changes using the [Events Service](#).

Encryption  Encrypt using Oracle managed keys Leaves all encryption-related matters to Oracle.  Encrypt using customer-managed keys Requires a valid key from a vault that you have access to. [Learn more](#)

Tags

Tag Namespace  Tag Key  Value  [+ Additional Tag](#)

**Create** [Cancel](#)

3. Click into the bucket you just created and upload the \*. qcow2 file to Objects.

Object Storage » Bucket Details

## bucket-20210421-FML

[Edit Visibility](#) [Move Resource](#) [Re-encrypt](#) [Add Tags](#) [Delete](#)

[Bucket Information](#) [Tags](#)

**Visibility:** Private  
**Namespace:** fortinetoraclecloud1  
**Default Storage Tier:** Standard  
**Approximate Count:** 0 objects [\(i\)](#)  
**ETag:** b5e06036-c049-450a-a6d0-52c6780a4e8e  
**OCID:** ...i2i6hooa [Show](#) [Copy](#)

**Resources**

**Objects**

[Upload](#) [More Actions ▾](#)

<input type="checkbox"/>	Name	Last Modified
--------------------------	------	---------------

## Upload Objects

Object Name Prefix *Optional*

FML\_v70116\_image

Storage Tier

Standard

Choose Files from your Computer

Drop files here or [select files](#)

fortimail-opc.qcow2 108.38 MiB

1 files, 108.38 MiB total

[Show Optional Response Headers and Metadata](#)

4. After the image file is uploaded, create a Pre-Authenticated Request.

5. After the request is created, you will see the details window. Copy and save this URL, which will be used in later steps.

6. Go to Compute > Custom Images. Click Import Image. Choose Import from an Object Storage URL and paste the previous URL. Under IMAGE TYPE, select QCOW2. Under LAUNCH MODE, select PARAVIRTUALIZED MODE or EMULATED MODE. Native mode is not supported.

## Creating a FortiMail-VM Instance

### Import Image

Create in compartment  
fortinetoraclecloud1 (root)

Name  
fml-v70116

Operating system  
Linux

Import from an Object Storage bucket  
 Import from an Object Storage URL

Object Storage URL  
https://objectstorage.us-phoenix-1.oraclecloud.com/p/N7\_aV1CUKWuxlGTv8yG6-COAmw8eQEmIPBxDNMjHeAxzR9MDHareGtw3-uQw2Yv1/n/fortinetoraclecloud1/b/bucket-20210421-FML

Learn more about [Object Storage URLs](#). Also, see the instructions to [create a pre-authenticated request](#).

Image type  
 VMDK  
 QCOW2  
Virtual machine disk file format. For disk images used in virtual machines.  
 QCOW2  
For disk image files used by QEMU.  
 OCI  
For images that were exported from Oracle Cloud Infrastructure. The launch mode is specified in the .oci file and can't be changed in the Console.

Launch mode

<b>Firmware:</b> BIOS	<b>NIC attachment type:</b> PV NIC
<b>Boot volume type:</b> PV	<b>Remote data volume:</b> PV

Paravirtualized Mode  
For virtual machines that [support paravirtualized drivers](#) created outside of Oracle Cloud Infrastructure.

Emulated Mode  
For virtual machines that [don't support paravirtualized drivers](#) created outside of Oracle Cloud Infrastructure from older on-premises physical or virtual machines.

Native Mode  
For images that were exported from Oracle Cloud Infrastructure.

**Import Image** [Cancel](#)

7. From the newly imported image, click Create Instance. Take note of the Compatible Shapes, and make sure to choose a shape from this list in later steps.

Compute > Custom Images > Custom Image Details

**fml-v70116-20210421**

[Create Instance](#) [Edit Details](#) [Edit Image Capabilities](#) [Export](#) [More Actions ▾](#)

[Custom Image Information](#) [Tags](#)

**Custom Image Information**

OCID: ...bmnndna [Show](#) [Copy](#)  
Original Image: -  
Compartment: fortinetoraclecloud1 (root)

Launch Mode: PARAVIRTUALIZED  
Created: Wed, Apr 21, 2021, 07:14:15 UTC  
Compatible VM Standard E3 Flex, VM Standard2.1, VM Standard2.2, VM Standard2.4, VM Standard2.8, Shapes: VM Standard2.16, VM Standard2.24, VM Standard1.1, VM Standard1.2, VM Standard1.4, VM Standard1.8, VM Standard1.16  
Flex Shape Requirements: 1 OCPU minimum, 64 OCPU maximum

**Launch Options**  
Launch options include the networking type and boot volume attachment type used when launching a virtual machine instance. [Learn more](#)

NIC Attachment Type: PARAVIRTUALIZED  
Remote Data Volume: PARAVIRTUALIZED

Firmware: BIOS  
Boot Volume Type: PARAVIRTUALIZED

8. You can choose either of the Availability domain and keep the advanced options as default.

## Creating a FortiMail-VM Instance

### Create Compute Instance

Create an instance to deploy and run applications, or save as a reusable Terraform stack for creating an instance with Resource Manager.

Name

fml-20210421-v70116

Create in compartment

fortinetoraclecloud1 (root)

[Collapse](#)

#### Placement

The [availability domain](#) helps determine which shapes are available.

Availability domain

AD 1

www1:PHX-AD-1

AD 2

www1:PHX-AD-2

AD 3

www1:PHX-AD-3

[Hide advanced options](#)

Capacity type

On-demand capacity

Place the instance on a shared host using on-demand capacity.

Preemptible capacity

Place the instance on a shared host using [preemptible capacity](#). This instance can be reclaimed at any time.

Capacity reservation

Place the instance on a shared host, and have it count against a [capacity reservation](#).

Dedicated host

Place the instance on a [dedicated virtual machine host](#).

Fault Domain

Let Oracle choose the best fault domain

[Collapse](#)

[When should I specify a fault domain?](#)

Image and shape are chosen automatically. You can modify the shape as desired.

#### Image and shape

[Collapse](#)

A [shape](#) is a template that determines the number of CPUs, amount of memory, and other resources allocated to an instance. The image is the operating system that runs on top of the shape.

Image

fml-v70116-20210421

[Change Image](#)

Shape



VM.Standard.E3.Flex

Virtual Machine, 1 core OCPU, 16 GB memory, 1 Gbps network bandwidth

[Change Shape](#)

9. Choose your VCN and its public subnet. For public access to FortiMail, you must assign a public IPV4 address.

## Creating a FortiMail-VM Instance

**Networking** [Collapse](#)

Networking is how your instance connects to the internet and other resources in the Console. To make sure you can [connect to your instance](#), assign a public IP address to the instance.

Network  Select existing virtual cloud network  Create new virtual cloud network  Enter subnet OCID

Virtual cloud network in **fortinetoraclecloud1 (root)** ([Change Compartment](#))

[Show advanced options](#)

Subnet  Select existing subnet  Create new public subnet

Subnet in **fortinetoraclecloud1 (root)** ([Change Compartment](#))

[Show advanced options](#)

Public IP Address  Assign a public IPv4 address  Do not assign a public IPv4 address

**!** Assigning a public IP address makes this instance accessible from the internet. If you're not sure whether you need a public IP address, you can always assign one later.

[Show advanced options](#)

10. Click Generate SSH key pair and Save Private Key. The private key will be used for SSH accessing. You can also paste your own SSH public key or skip this step for now. Specify the customer boot volume size as minimum 50GB.

**Add SSH keys**

Linux-based instances use an [SSH key pair](#) instead of a password to authenticate remote users. Generate a key pair or upload your own public key now. When you [connect to the instance](#), you will provide the associated private key.

Generate SSH key pair  Upload public key files (.pub)  Paste public keys  No SSH keys

**!** Download the private key so that you can connect to the instance using SSH. It will not be shown again.

[Save Private Key](#) [Save Public Key](#)

**Boot volume**

Your [boot volume](#) is a detachable device that contains the image used to boot your compute instance.

Specify a custom boot volume size  
[Volume performance](#) varies with volume size. Default boot volume size: 46.6 GB

Boot volume size (GB)   
Integer between 50 GB and 32,768 GB (32 TB). Must be larger than the default boot volume size for the selected image.

Encrypt this volume with a key that you manage  
By default, Oracle manages the keys that encrypt this volume, but you can choose a key from a vault that you have access to if you want greater control over the key's lifecycle and how it's used. [Learn more about managing your own encryption keys](#)

At this stage, the deployment is not complete yet. You also need to add a storage volume as a system log disk and attach it to the FortiMail instance. If you want FortiMail to run inline across two or multiple subnets, you will also need to add one or more virtual network interfaces and attach them to the FortiMail instance.

# Attaching Storage to FortiMail

1. On OCI, go to Storage > Block Volumes > Create Block Volume.

Block Storage

Block Volumes *in* **fortinetoraclecloud1 (root)** *Compartment*

Block volumes provide high-performance network storage to support a broad range of I/O intensive workloads. [Learn more](#)

**Block Volumes**

**Create Block Volume**

Make sure the Availability Domain is the same as your instance, and customize a smaller volume size, for example, 100GB. Keep other settings as default.

**Create Block Volume**

Name: FML-Disk-20210421

Create In Compartment: fortinetoraclecloud1 (root)

Availability Domain: www1:PHX-AD-1

**Volume Size and Performance**

DEFAULT  CUSTOM

VOLUME SIZE (IN GB): 100

Size must be between 50 GB and 32,768 GB (32 TB). Volume performance varies with volume size.

DEFAULT VOLUME PERFORMANCE

Lower Cost  Balanced  Higher Performance

Balanced choice for most workloads including those that perform random I/O such as boot disks. [Learn more](#)

**Default Volume Performance**

**IOPS:** 6000 IOPS (60 IOPS/GB)  
**Throughput:** 48 MB/s (480 KB/s/GB)

2. Once provisioned, return to the FortiMail instance. Click Attach Block Volume.

Attached Block Volumes

Block volumes provide high-performance network storage to support a broad range of I/O intensive workloads.

**Attached Block Volumes**

**Attach Block Volume**

Name	State	Volume Type	Device path	Type
There are no block volumes attached to this instance.				

3. Select the block volume that you created earlier and ensure the attachment type is PARAVIRTUALIZED.

Attach Block Volume [Help](#)

Volume attachment type

Let Oracle Cloud Infrastructure choose the best attachment type

iSCSI

Paravirtualized

Use in-transit encryption

**Volume**

Select volume  Enter volume OCID

Volume in **fortimetroaclecloud1 (root)** [\(Change Compartment\)](#)

FML-Disk-20210421

**Access**

Read/Write  
Configures the volume attachment as read/write, not shared with other instances. This enables attachment to a single instance only and is the default configuration.

Read/Write - Shareable  
Configures the volume attachment as read/write, shareable with other instances. This enables read/write attachment to multiple instances.

Read Only - Shareable  
Configures the volume attachment as read-only, enabling attachment to multiple instances.

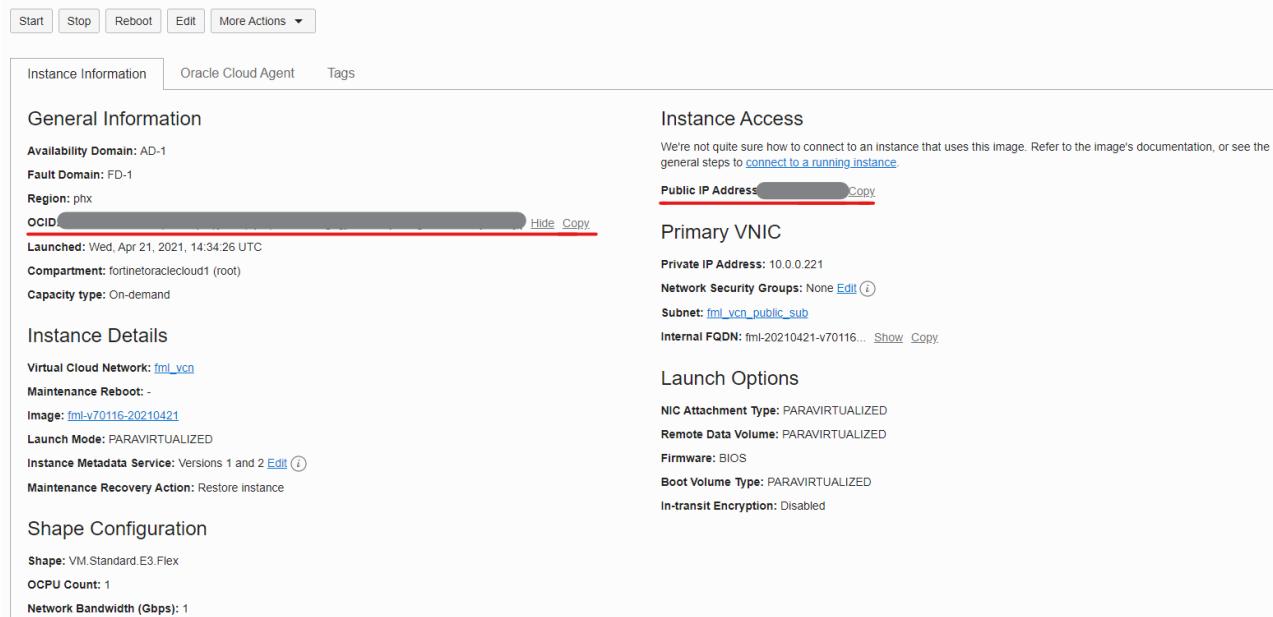


After attaching the block volume, make sure to reboot the FortiMail instance.

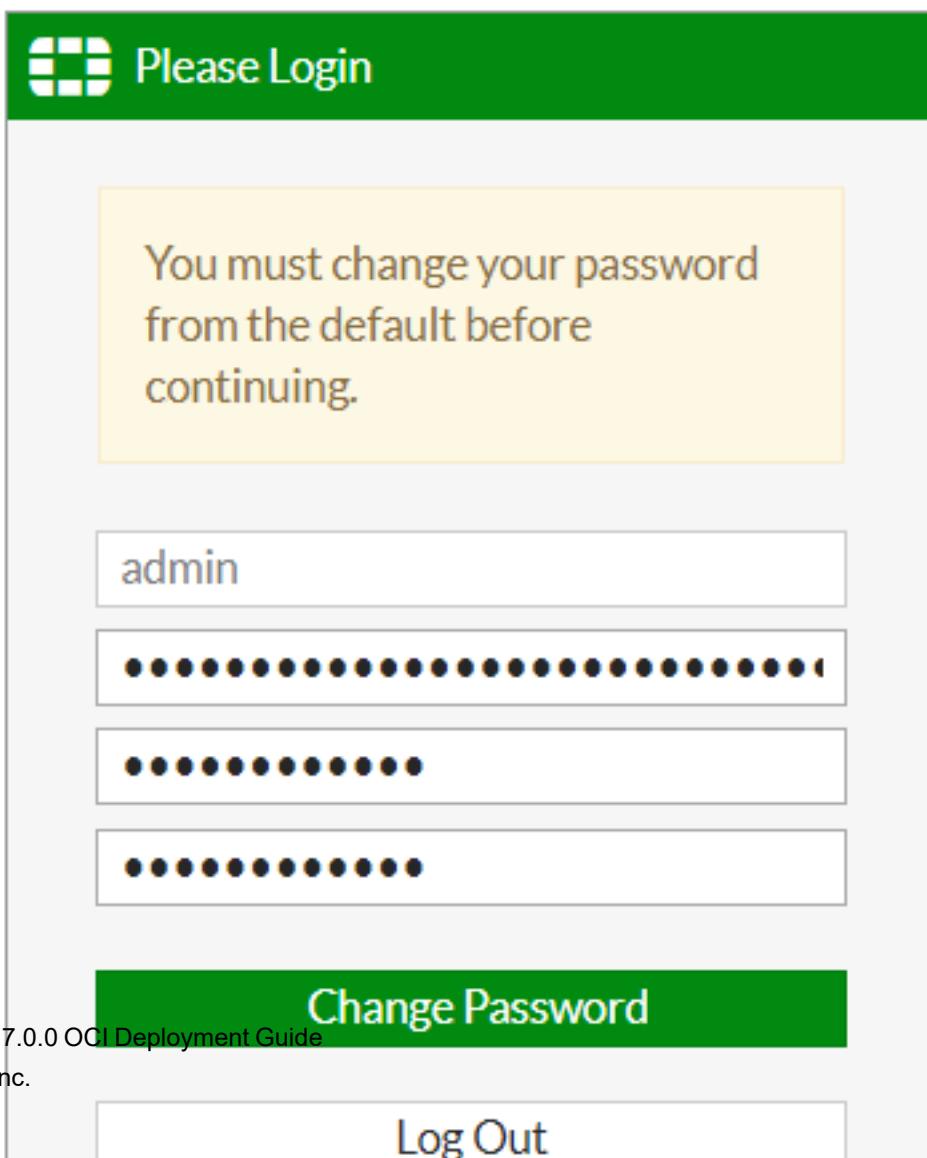
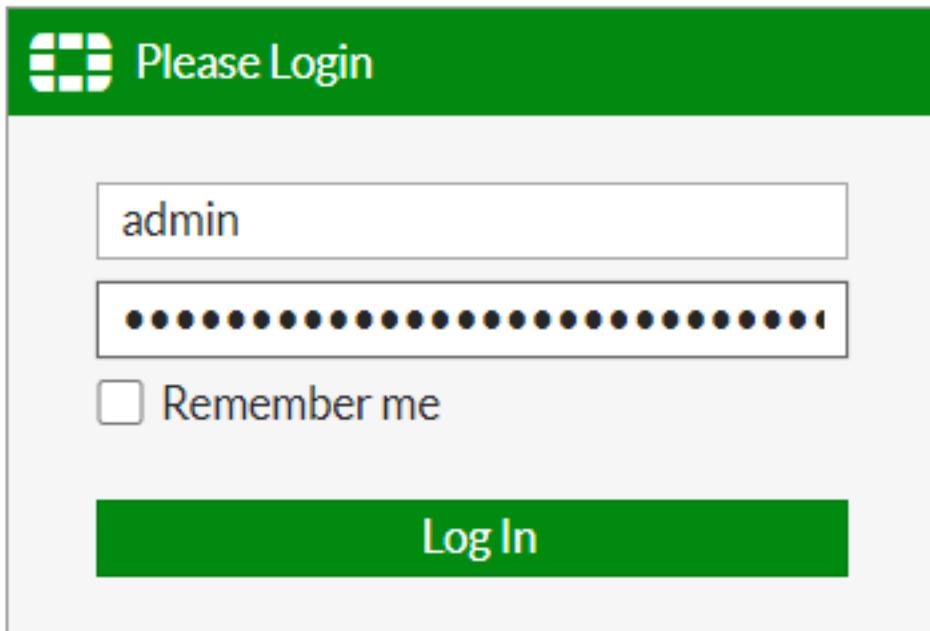
# Accessing FortiMail

1. In the FortiMail instance detail page, you will find the public IP address and the OCID. In a web browser, you can access FortiMail with [https://<public\\_IP\\_address>/admin](https://<public_IP_address>/admin), and the initial username/password is 'admin/OCID'.

fml-20210421-v70116



2. At the first time login, you will be forced to change your password.



3. The last step is to upload a valid FML VM license, and then you should be able to see the FortiMail Admin GUI.

The screenshot shows the FortiMail Admin GUI with the following panels:

- Dashboard:** Shows FortiView, Monitor, System, Domain & User, Policy, Profile, Security, Encryption, Email Archiving, and Log & Report.
- Status:** Shows System Information (Serial number: FEVM0200000, Uptime: 0 day(s) 0 hour(s) 26 minute(s) 24 second(s), System time: Wed, Apr 21, 2021 11:00:46 PDT, Reboot time: Wed, Apr 21, 2021 10:34:22 PDT, Firmware version: v7.0.0, build116, 2021.04.16 [Update...], System configuration: [Backup...], [Restore...], Operation mode: Gateway, Current administrator: admin (1 in total) [Details...], HA mode: Configured Off, Effective Off, Log disk: Capacity 19 GB, Used 32 MB (0.17%), Free 19 GB, Mailbox disk: Capacity 78 GB, Used 276 MB (0.35%), Free 78 GB, Email throughput: 0 messages per minute (last 26 minutes) Spam: 0, Not Spam: 0 messages per minute).
- License Information:** Shows AntiVirus (No license), AV definition (Version 1.00000 (Last updated 2018-05-02 11:41:00) [Update...]), AV engine (Version 6.00258 (Last updated 2021-03-17 00:40:00)), Virus outbreak (Licensed (Expiry date 2022-04-13)), AntiSpam (Licensed (Expiry date 2022-04-13)), AS definition (Version 1.00001 (Last updated 2007-05-09 17:15:00)), VM: Registered [Update...], FortiSandbox: Disabled [Configure...], FortiCloud: Not Activated [Activate...]).
- System Resource:** Shows CPU usage (0%), Memory usage (6%), System load (1%), and Log disk usage (0%).
- Statistics History (Count, 30 Days):** Shows 'No data!'
- Statistics Summary (Today):** Shows 'No data!'
- Statistics Summary:** A table showing message statistics by classification (Not Spam Classified By, Spam Classified By, Virus Classified By) and time periods (Total, This Year, This Month, This Week, Today, This Hour, This Minute).
- Throughput History (Scan Speed, 30 Days):** A chart showing throughput in KB/s over time, with values ranging from 2 KB/s to 10 KB/s.

4. For further testing on this FortiMail instance, you may need to add more rules in Security List. For example, a rule to open port 25 is necessary for SMTP testing.

Add Ingress Rules Cancel

**Ingress Rule 1**

Allows TCP traffic 25 Simple Mail Transfer Protocol (SMTP)

STATELESS i

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 i DESTINATION PORT RANGE OPTIONAL i

All 25 Examples: 80, 20-22

DESCRIPTION OPTIONAL

Maximum 255 characters

+ Another Ingress Rule

