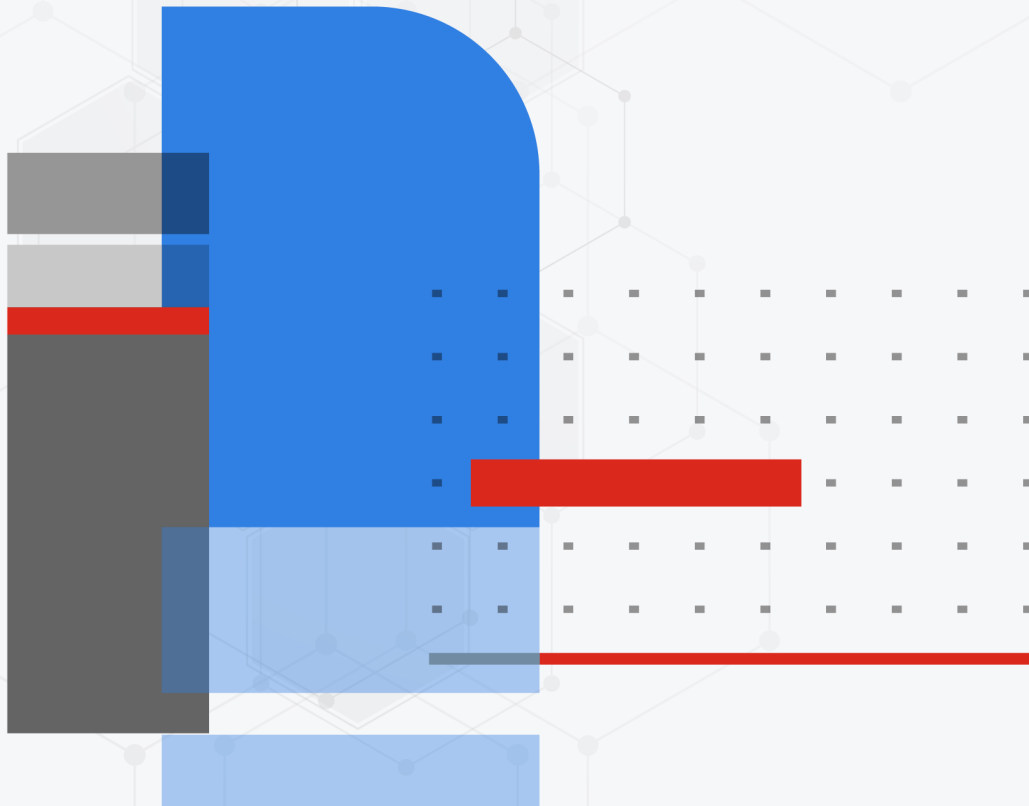




Google Cloud Platform Deployment Guide

FortiMail 7.4.0



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FortiMail 7.4.0 Google Cloud Platform Deployment Guide

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TABLE OF CONTENTS

| | |
|--|----------|
| Change Log | 4 |
| Introduction | 5 |
| Uploading the FortiMail Image | 6 |
| Creating a VM Instance | 7 |
| Accessing FortiMail | 9 |

Change Log

| Date | Change Description |
|------------|--------------------|
| 2021-06-04 | Initial release. |
| 2023-12-08 | Republished. |

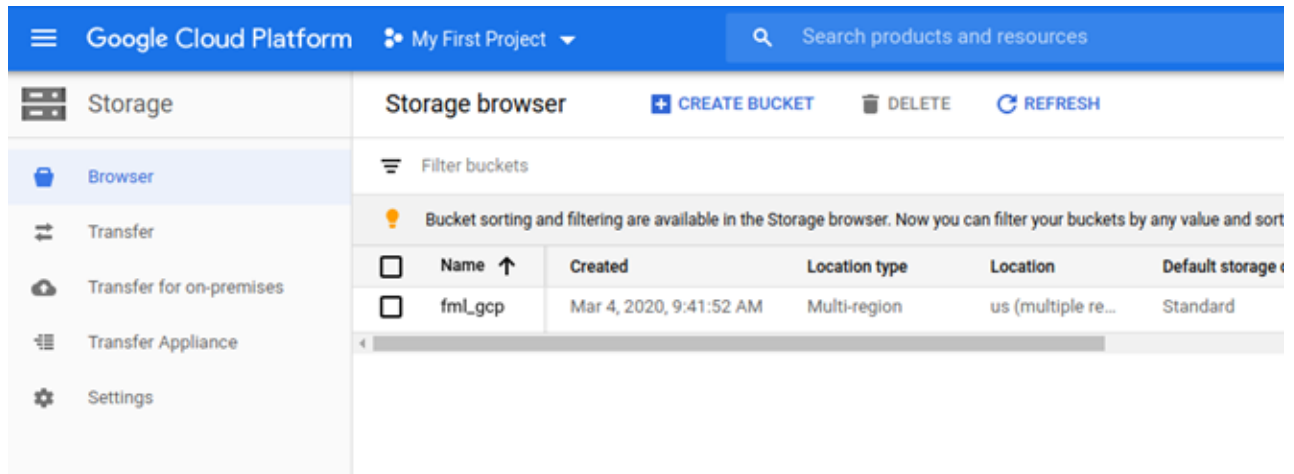
Introduction

This document describes how to deploy FortiMail VM on Google Cloud Platform (GCP).

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

Uploading the FortiMail Image

1. Log on to GCP, create a folder under *Storage*.




2. Upload the FortiMail tar.gz image to the folder.

fml_gcp

[Objects](#) [Overview](#) [Permissions](#) [Bucket Lock](#)

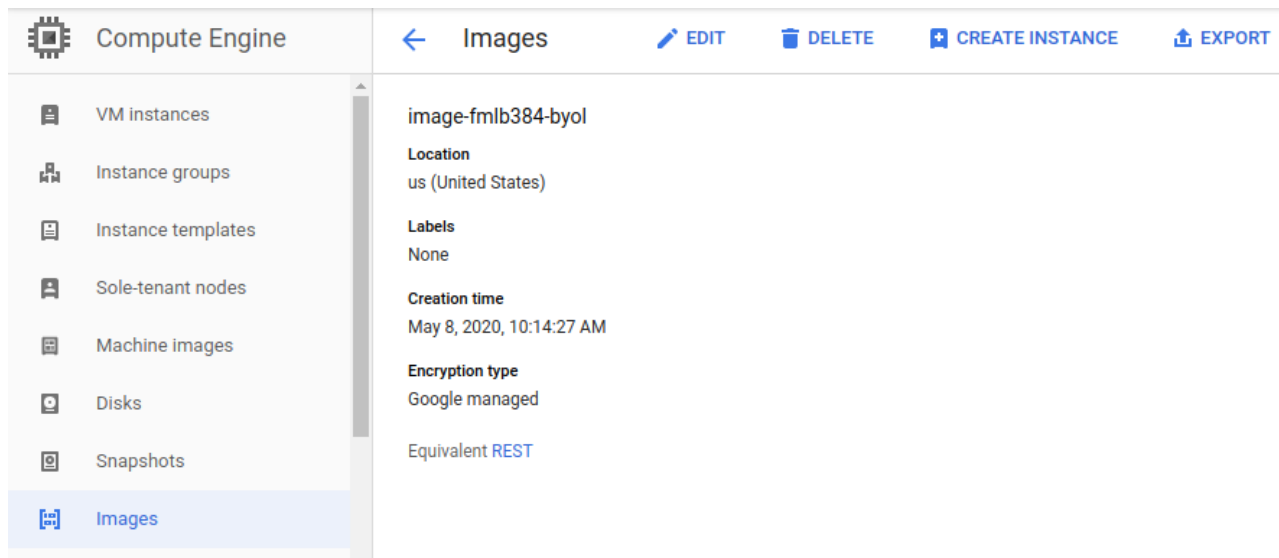
[Upload files](#) [Upload folder](#) [Create folder](#) [Manage holds](#) [Delete](#)

[Buckets](#) / fml_gcp

| <input type="checkbox"/> | Name | Size | Type | Storage class | Last modified |
|--------------------------|---|----------|------------------|---------------|-------------------------|
| <input type="checkbox"/> |  FML_VMGC-64-v64-build0384-FORTINET.out.g... | 92.71 MB | application/gzip | Standard | 5/8/20, 10:12:09 AM UTC |

Creating a VM Instance

1. Go to *Compute Engine > Images*, create an image from a storage file and select this file.



2. Go to *Compute Engine > VM Instances*, select the image you just created

Boot disk

Select an image or snapshot to create a boot disk; or attach an existing disk. Can't find what you're looking for

Public images **Custom images** Snapshots Existing disks

Show images from
My First Project ▼

☐ Show deprecated images

Image
image-fmlb384-byol ▼

Created on May 8, 2020, 10:14:27 AM

Boot disk type ?
Standard persistent disk ▼

Size (GB) ?
1

3. Add a second disk.

Management
Security
Disks
Networking
Sole Tenancy

Boot disk
Deletion rule
☒ Delete boot disk when instance is deleted

Encryption
Data is encrypted automatically. Select an encryption key management solution.

- ☒ **Google-managed key**
No configuration required
- ☐ **Customer-managed key**
Manage via Google Cloud Key Management Service
- ☐ **Customer-supplied key**
Manage outside of Google Cloud

Device name ?
Used to reference the device for mounting or resizing.

Based on instance name (default) ▼

instance-fml-b384-byol

Additional disks ? (Optional)

New disk (disk-8, Blank, 500 GB) 🗑️ ⬆️

Name (Optional) ?
Name is permanent

- For remote access, you can select *Enable connecting to serial ports* to allow serial console connection.

←
VM instance details
✎ EDIT
🔄 RESET

✅ instance-fml-b384-byol

Remote access
☒ Enable connecting to serial ports ?

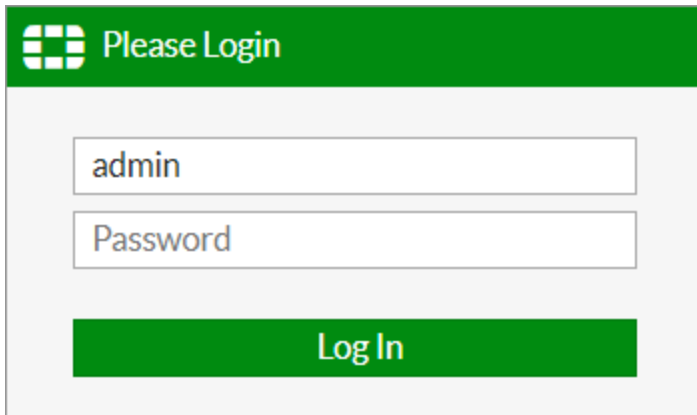
Instance Id
8331722912660247753

- For Firewalls, you can enable HTTPS only.

Firewalls
☐ Allow HTTP traffic
☒ Allow HTTPS traffic

Accessing FortiMail

After booting up, you can access the FortiMail instance via HTTPS or the serial console. The admin password is your Instance ID.

A login form with a green header bar containing a grid icon and the text "Please Login". Below the header, there are two input fields: the first contains the text "admin" and the second is labeled "Password". At the bottom of the form is a green button with the text "Log In".

Please Login

admin

Password

Log In

There are two methods to supply cloud-init data:

1. In the *Custom Metadata* area create an entry called "user data" and supply the text of the multi part MIME file.
2. Place the MIME file in your storage folder and then copy the link to it (ex. `gs://fml_gcp/ml.mime`). Then create a user data metadata entry and supply the link as the value.

Metadata (Optional)

You can set custom metadata for an instance or project outside of the server-defined metadata. This is useful for passing in arbitrary values to your project or instance that can be queried by your code on the instance. [Learn more](#)

A form with two input fields. The first field contains the text "user-data" and the second field contains the text "gs://fml_gcp/ml.mime". There is a small icon to the right of the second field and an "X" icon to the right of the entire form.

user-data

gs://fml_gcp/ml.mime

3. You can store the FortiMail config, operation mode, and license in the MIME file. For example:

```
Content-Type: multipart/mixed; boundary="====3091289667591636775=="
MIME Version: 1.0
```

```
-----3091289667591636775==
Content-Type: text/plain; charset="us ascii"
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Disposition: attachment; filename="config"
```

```
config system global
  set rest api enable
  set data enable
end
config system global
  set pki mode enable
end
config system dns
```

```
set primary 8.8.8.8
set secondary 8.8.4.4
end

=====3091289667591636775==
Content-Type: text/plain; charset="us ascii"
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Disposition: attachment; filename="mode"

config system global
    set operation-mode server
end

=====3091289667591636775==
Content-Type: text/plain; charset="us ascii"
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Disposition: attachment; filename="FEVM020000189547.lic"

-----BEGIN FE VM LICENSE-----
License content here...
-----END FE VM LICENSE-----

=====3091289667591636775==--
```



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