



LoadMaster for Orange Flexible Engine Platform

Installation Guide

UPDATED: 08 December 2020



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Used, under license, U.S. Patent Nos. 6,473,802, 6,374,300, 8,392,563, 8,103,770, 7,831,712, 7,606,912, 7,346,695, 7,287,084 and 6,970,933

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1 Introduction

Flexible Engine is a Public Cloud solution, operated by Orange Business Services (OBS). It gives you access to an innovative and well performing infrastructure to host your traditional and cloud native applications.

The LoadMaster is an Application Delivery Controller that provides enhanced security, resiliency, and advanced load balancing capabilities in an easily managed solution.

2 Prerequisites

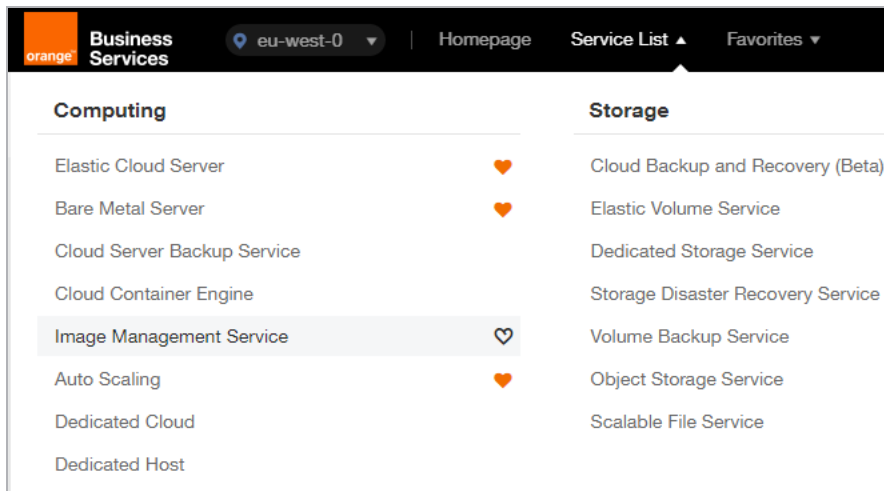
The following prerequisites must be configured before attempting the steps in this document:

- You must have a Flexible Engine account.
- You must have access to the relevant Virtual Private Clouds (VPCs) and subnets.
- A security group must be configured specifying the relevant ports and protocols. Kemp recommends having rules for TCP port 22 and TCP port 80.
- An existing key pair must be configured. This is not used for LoadMaster authentication but it is a required step during the setup. For further details, refer to the **Creating a key pair** section of the [Flexible Engine Startup Guide](#).
- An External IP address (EIP) must be configured.

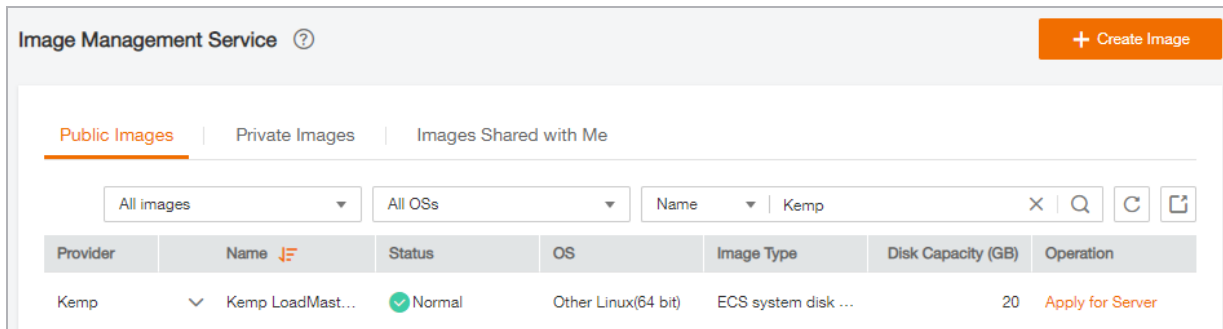
3 Instantiating a LoadMaster in the Flexible Engine Platform

To instantiate a Kemp LoadMaster in the Flexible Engine Platform, follow the steps below:

1. Log in to the Orange Business Services User Interface (UI).

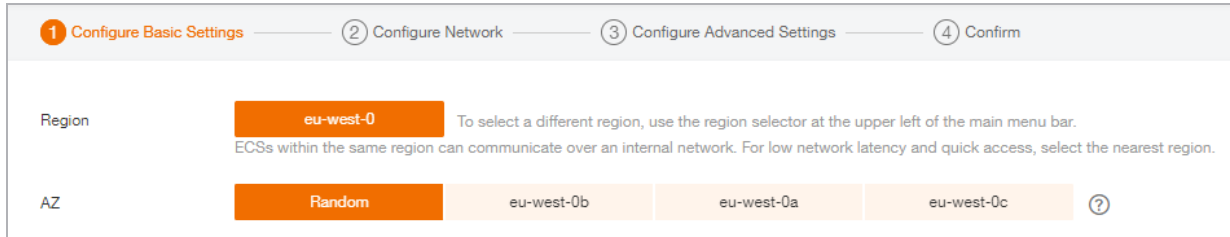


2. Click **Service List** and **Image Management Service**.



3. Search for **Kemp** and click **Apply for Server**.

3 Instantiating a LoadMaster in the Flexible Engine Platform



1 Configure Basic Settings — 2 Configure Network — 3 Configure Advanced Settings — 4 Confirm

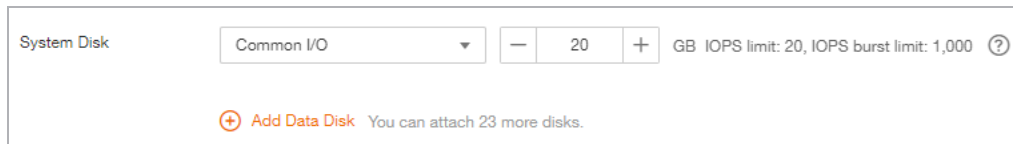
Region **eu-west-0** To select a different region, use the region selector at the upper left of the main menu bar. ECSs within the same region can communicate over an internal network. For low network latency and quick access, select the nearest region.

AZ **Random** eu-west-0b eu-west-0a eu-west-0c ?

4. Select the relevant **Region**.

5. Select the relevant specification.

Ensure to select a configuration with a minimum of 2 vCPUs and 2 GB of memory.



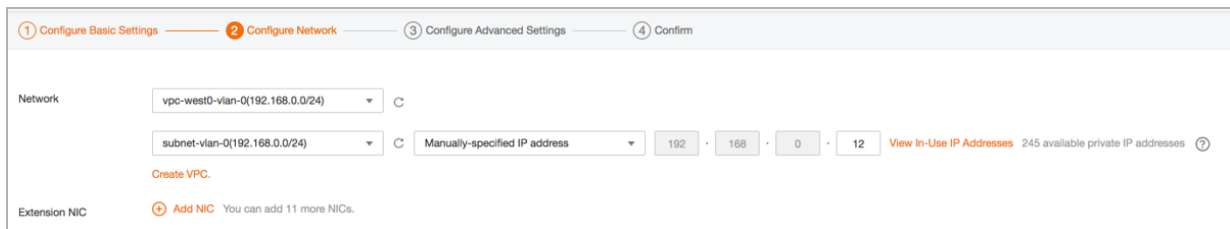
System Disk Common I/O - 20 + GB IOPS limit: 20, IOPS burst limit: 1,000 ?

+ Add Data Disk You can attach 23 more disks.

6. Enter the disk size.

20 GB is the recommended disk size. There is no need to add an extra disk.

7. Click **Next: Configure Network** in the bottom-right.



1 Configure Basic Settings — 2 Configure Network — 3 Configure Advanced Settings — 4 Confirm

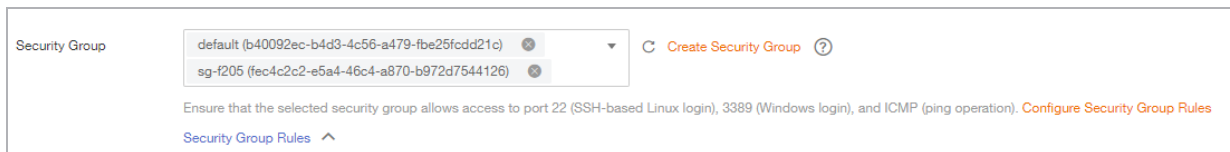
Network vpc-west0-vlan-0(192.168.0.0/24) C

subnet-vlan-0(192.168.0.0/24) C Manually-specified IP address 192 . 168 . 0 . 12 View In-Use IP Addresses 245 available private IP addresses ?

Create VPC.

Extension NIC + Add NIC You can add 11 more NICs.

8. Select the relevant VPC and specify the IP address details.



Security Group default (b40092ec-b4d3-4c56-a479-fbe25fcd21c) C Create Security Group ?

sg-f205 (fec4c2c2-e5a4-46c4-a870-b972d7544126) C

Ensure that the selected security group allows access to port 22 (SSH-based Linux login), 3389 (Windows login), and ICMP (ping operation). [Configure Security Group Rules](#)

[Security Group Rules](#) ^

9. Select the relevant security groups.

3 Instantiating a LoadMaster in the Flexible Engine Platform

EIP Do not use Auto assign Specify

If you specify an EIP, you can create only one ECS at a time.

Current EIP Bandwidth: 5 Mbit/s

10. Specify the relevant Elastic IP (EIP).

11. Click **Next: Configure Advanced Settings** in the bottom-right.

Login Mode Key pair

To click Remote Login to log in to a Linux ECS in key pair login mode, you must set a login password after the ECS is created. [Learn how](#) to set the password.

The private key will be required for logging in to the ECS and for reinstalling or changing the OS. Keep it secure.

Key Pair Create Key Pair

I acknowledge that I have obtained private key file KeyPair-vlm-23-6-2020.pem and that without this file I will not be able to log in to my ECS.

After a Linux ECS is created, use this key pair to log in to the ECS. After a Windows ECS is created, locate the row that contains the ECS in the ECS list, click Get Password in the Operation column, and use this key pair to obtain the ECS login password. [Learn how](#) to obtain the Windows ECS login password.

12. Select the relevant key pairs.

13. Confirm the settings and click **Create Now**.

<input type="checkbox"/>	Name/ID	AZ	Status
<input type="checkbox"/>	VLM-12 5992f679-d810-4318-b2c8-a88b1fd3...	eu-west-0a	 Creating

14. Wait for the LoadMaster to be created. This can take a couple of minutes.

<input type="checkbox"/>	Name/ID	AZ	Status
<input type="checkbox"/>	VLM-12 5992f679-d810-4318-b2c8-a88b1fd3...	eu-west-0a	 Running

15. Click the refresh button. The **Status** will change to **Running** when the LoadMaster is created successfully.

License Required To Continue

Online Licensing

Please enter your Kemp ID and password below to license this LoadMaster.

If you do not have a Kemp ID, please create one by visiting:
<https://kemptechnologies.com/kemp-id-registration>

Kemp Identifier:

Password:

Order ID (optional):

HTTP(S) Proxy (optional):

16. Access the LoadMaster using the EIP.

For details on licensing the LoadMaster, refer to the [Licensing Feature Description](#) document.

Last Updated Date

This document was last updated on 08 December 2020.