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Kemp® LoadMaster®

Installation Guide LoadMaster for Orange Flexible Engine Platform

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1

Introduction

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

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. We recommend 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.

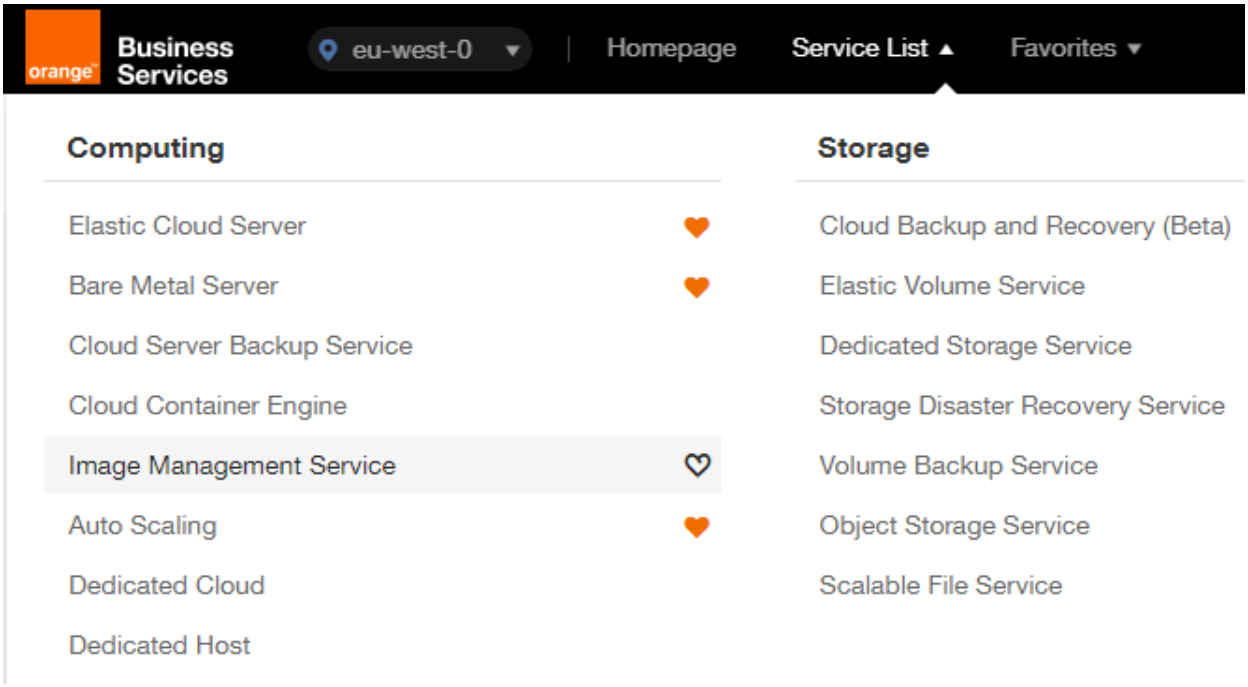
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Instantiating a LoadMaster in the Flexible Engine Platform

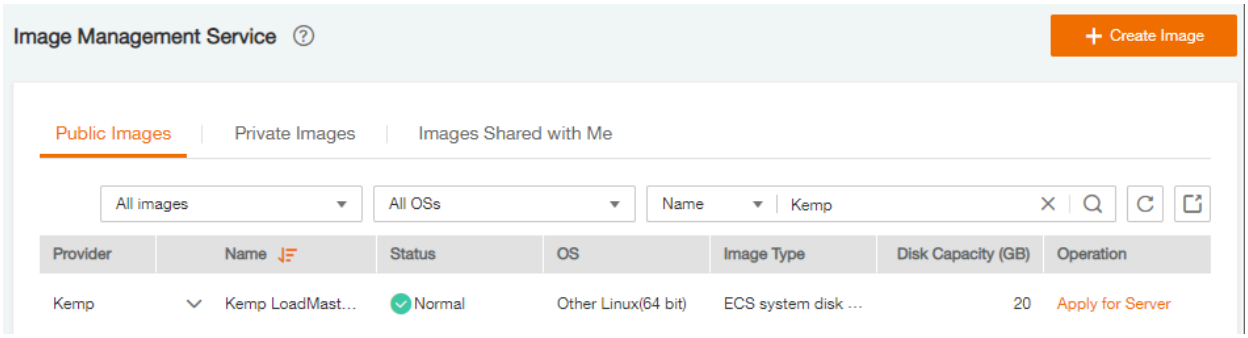
Instantiating a LoadMaster in the Flexible Engine Platform

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

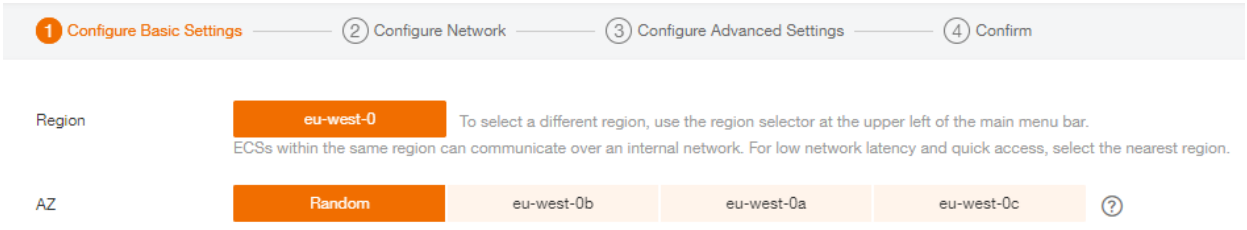
1. Log in to the Orange Business Services User Interface (UI).



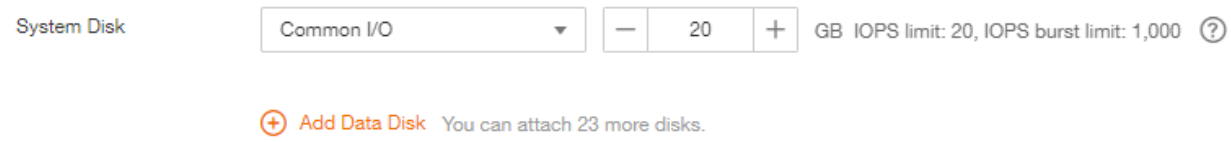
2. Click **Service List** and **Image Management Service**.



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



4. Select the relevant **Region**.
5. Select the relevant specification.

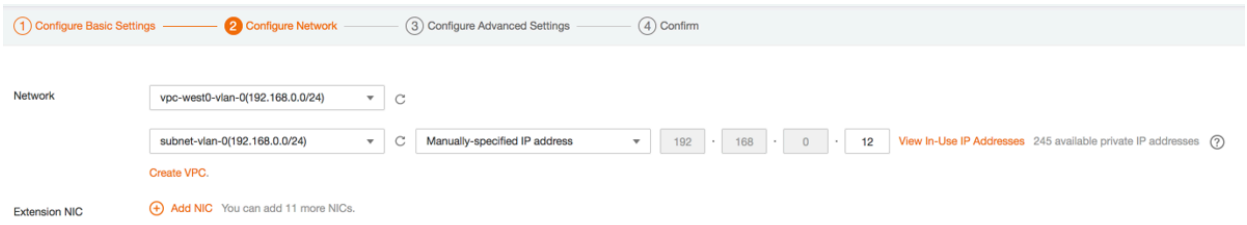


Note: Ensure to select a configuration with a minimum of 2 vCPUs and 2 GB of memory.

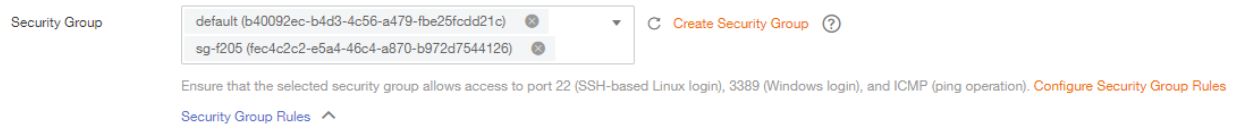
6. Enter the disk size.

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

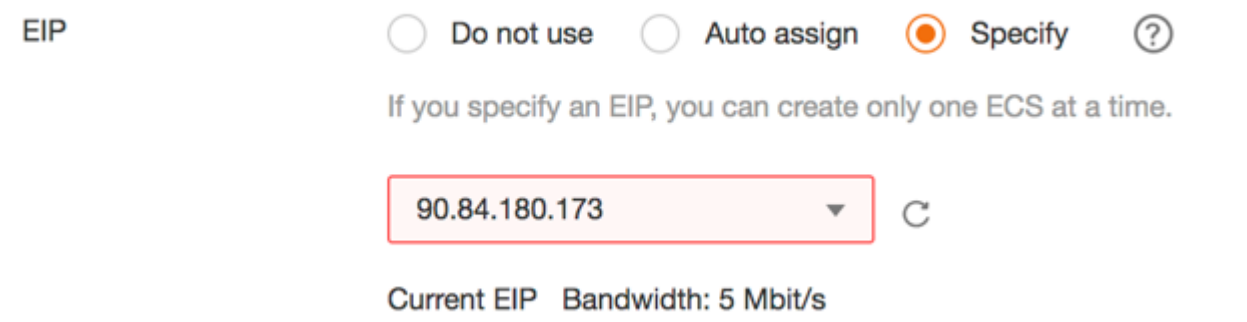
7. Click **Next: Configure Network** in the bottom-right.



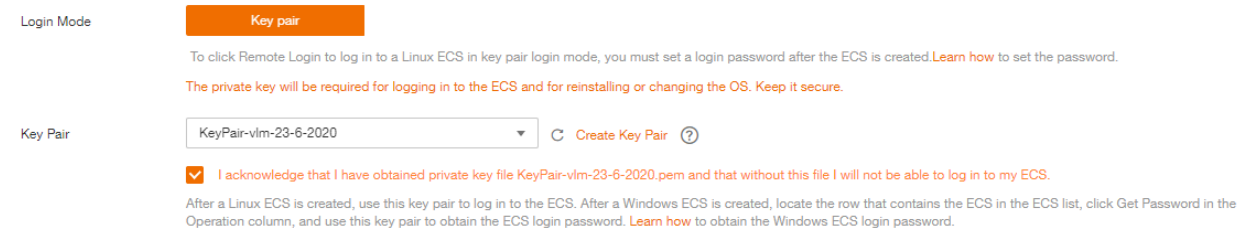
8. Select the relevant VPC and specify the IP address details.



9. Select the relevant security groups.



10. Specify the relevant Elastic IP (EIP).
11. Click **Next: Configure Advanced Settings** in the bottom-right.



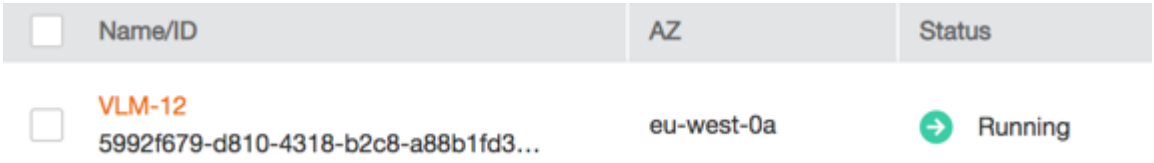
12. Select the relevant key pairs.



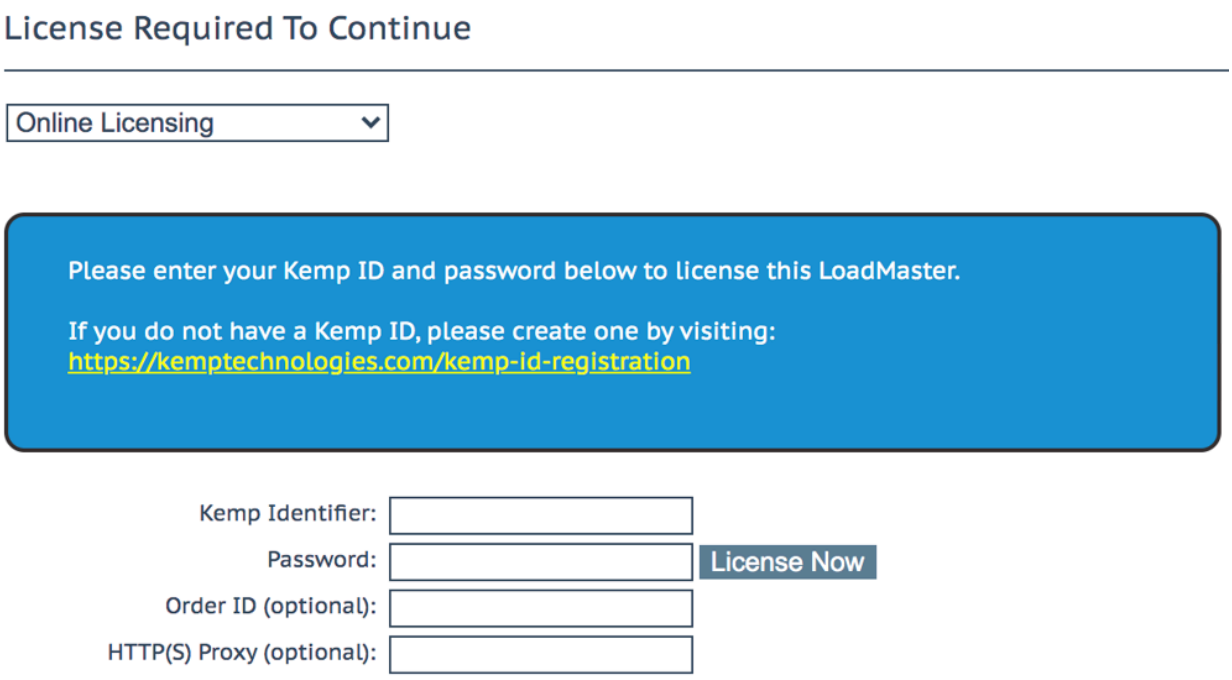
13. Confirm the settings and click **Create Now**.



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



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



16. Access the LoadMaster using the EIP.

For details on licensing the LoadMaster, refer to the Licensing Feature Description document.

4

Best Practices for Backups

Best Practices for Backups

Hypervisor snapshots cannot be used to restore a LoadMaster to a working state. The best way to back up your LoadMaster settings is by using the native backup and restore facility in the LoadMaster WUI or API.

To back up your LoadMaster configuration, follow these steps:

1. In the main menu, go to **System Configuration > System Administration > Backup/Restore**.
2. Click **Create Backup File**.

You can create a remote host for automated backups using SCP to save backups to a remote server.

For further details on backing up and restoring the LoadMaster configuration, including certificates and cipher sets, refer to the following links:

- Backup and Restore Technical Note
- How to Create and Restore a LoadMaster Configuration or Certificate Backup