Progress®
Kemp® LoadMaster®

Product Overview Free LoadMaster

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Table of Contents

Chapter 1: Introduction 4

Chapter 2: Free LoadMaster 5

Limitations 5

Set Up and License a Free LoadMaster 6

License a Free LoadMaster 6

Further Information 8

Chapter 3: References 9

1

Introduction

Free LoadMaster is a free of charge Virtual LoadMaster appliance which offers access to the core LoadMaster capabilities. The Free LoadMaster is restricted by capacity and, as such, is ideally suited to low-volume environments such as development, QA and pre-production.

Document Purpose

The purpose of this document is to provide an overview of the Free LoadMaster product.

Intended Audience

This document is intended to be read by anyone who is interested in finding out details about the Free LoadMaster product.

2

Free LoadMaster

The Free LoadMaster product has all core LoadMaster capabilities, including the:

- Global Server Load Balancing (GSLB) Feature Pack
- Edge Security Pack (ESP)
- Web Application Firewall Pack (WAF)

Note: Commercial rule updates are not supported on the Free LoadMaster.

Note: By default, only Community Support is available for the Free LoadMaster.

Related Links

For details, see the following topics:

- Limitations
- Set Up and License a Free LoadMaster
- Further Information

Limitations

There are a number of limitations to be aware of if using a Free LoadMaster:

- 20Mbits L7 throughput

- 50 Transactions Per Second (TPS) 2K SSL keys

Note: Statistics will be sent to Progress Kemp indicating the current peak traffic levels. If the traffic levels are approaching the license levels, a message will be displayed on the Web User Interface (WUI).

- A maximum of two FQDNs can be created in the **Global Balancing** section. There is a limit of 100 UDP Queries Per Second (QPS) per FQDN for IPv4 and 100 UDP QPS for IPv6. These limits are exclusive to IP version, so it is possible to have a maximum of 200 IPv4 and IPv6 requests together. TCP connections are not limited.
- No firmware updates can be performed on the Free LoadMaster after receiving the initial firmware release
- Only community forum support is provided by default - LoadMaster Support and Learning Hub. However, there is an option to purchase support.
- High Availability (HA) is unavailable
- If the LoadMaster cannot contact the Progress Kemp licensing service at all in a period of 30 days, the LoadMaster stops load balancing, that is, the Virtual Services are stopped. In this case, it is possible to download the LoadMaster configuration by taking a backup (**System Configuration > System Administration > Backup/Restore > Create Backup File**). It is also be possible to upgrade the LoadMaster license to a permanent license using the **Upgrade** option on the **Home** page of the LoadMaster WUI. After a permanent license has been purchased, you can apply this to the LoadMaster using the **System Configuration > System Administration > License Management** option.

Set Up and License a Free LoadMaster

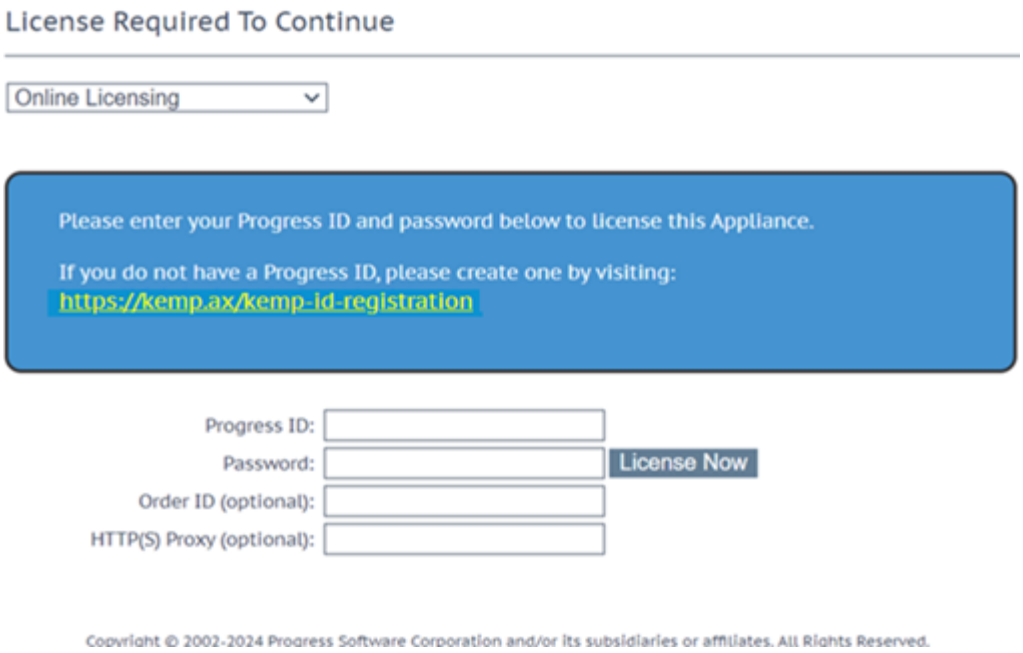
To install and configure the initial settings in the LoadMaster, follow the instructions which are specific to the type of platform the LoadMaster is being deployed on. Progress Kemp have a number of Installation Guides with step-by-step instructions on how to install the LoadMaster. Refer to the Progress Kemp documentation page to find the relevant Installation Guide: https://docs.progress.com

Please keep in mind that the licensing steps vary for the Free LoadMaster, such as the fact that online licensing is the only available licensing method. Refer to the next section for instructions on how to license the Free LoadMaster.

License a Free LoadMaster

After the LoadMaster has been installed and initially configured, the LoadMaster needs to be licensed. To license the Free LoadMaster, follow the steps below:

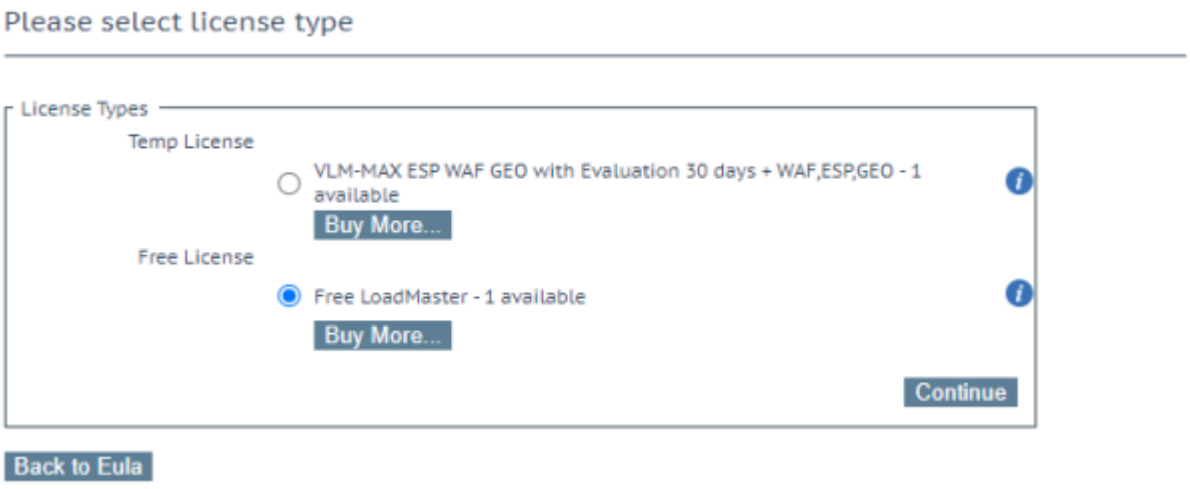
1. In a web browser, go to the LoadMaster WUI by entering **http://<LoadMasterIPAddress>** in the address bar.
2. The End User License Agreement (EULA) will be displayed.
3. Scroll to the bottom of the page and click the **Agree** button to proceed.



4. Enter the email address which was used when registering a Progress ID (formerly Kemp ID).

Note: A Progress ID is needed to license a LoadMaster. To register for a Progress ID, click the link provided in the LoadMaster. For instructions on how to create a Progress ID, refer to the Licensing, Feature Description.

5. Enter the **Password** for the Progress ID.
6. Click **License Now**.



7. Select **Free LoadMaster** as the license type and click **Continue**.
8. Click **Continue** on the **License Validated** message.
9. Enter the desired **Password** for the default LoadMaster administrator user (**bal**).
10. Retype the password and click **Set Password**.
11. Click **Continue**.

12. Log in with the **bal Username** and the **Password** you have just set.

Further Information

For more information, such as details on each of the features available and step-by-step instructions on how to configure them, please refer to the Progress Kemp documentation: https://docs.progress.com.

Note: Please keep in mind when referring to the Progress Kemp documentation that some functionality may differ or be unavailable in the Free LoadMaster.

3

References

Unless otherwise stated, the following documents are available from https://docs.progress.com/

Licensing, Feature Description