Progress®
Kemp® LoadMaster®

Deployment Guide Microsoft Print Server

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Introduction

Microsoft Print Server enables you to share printers throughout your organization from a single location.

The LoadMaster is used to load balance the Microsoft Print Server workload. The LoadMaster offers advanced Layer 4 and Layer 7 server load balancing, SSL Acceleration and a multitude of other advanced Application Delivery Controller (ADC) features. The LoadMaster intelligently and efficiently distributes user traffic among the application servers so that users get the best experience possible.

Related Links

For details, see the following topics:

- Document Purpose
- Intended Audience

Document Purpose

This document provides the recommended LoadMaster settings used when load balancing the Microsoft Print Server workload. The Progress Kemp Support Team is available to provide solutions for scenarios not explicitly defined. For further details, refer to the: LoadMaster Support and Learning Hub.

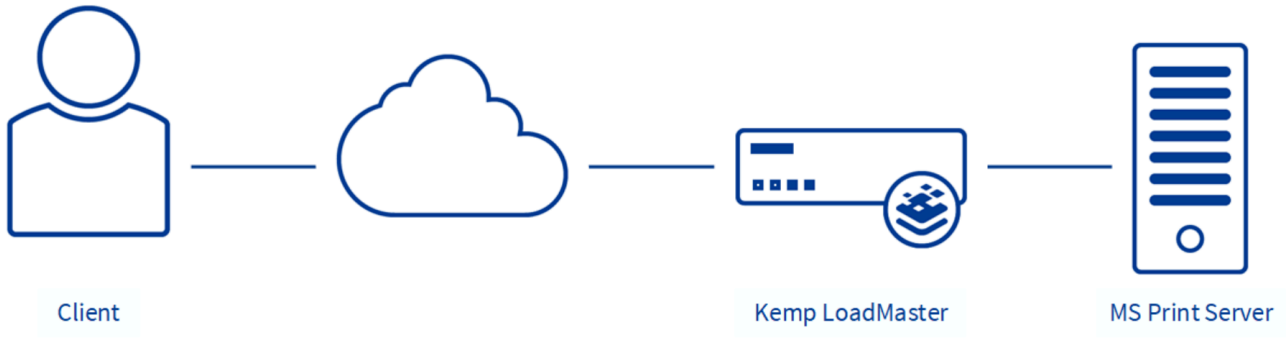
Intended Audience

This document is intended to be read by anyone who is interested in configuring the LoadMaster to optimize

Microsoft Print Server.

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Architecture



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Configure the LoadMaster

The deployed Microsoft Print Server environment determines which of the following setups is used.

Related Links

For details, see the following topics:

- Transparency Overview
- Enable Check Persist Globally

Transparency Overview

This service runs at Layer 4. All Layer 4 services are transparent. For transparency to work, the following rules/conditions must be met:

- The Real Server must have the LoadMaster as the default gateway
- The clients cannot be on the same subnet as the Real Server

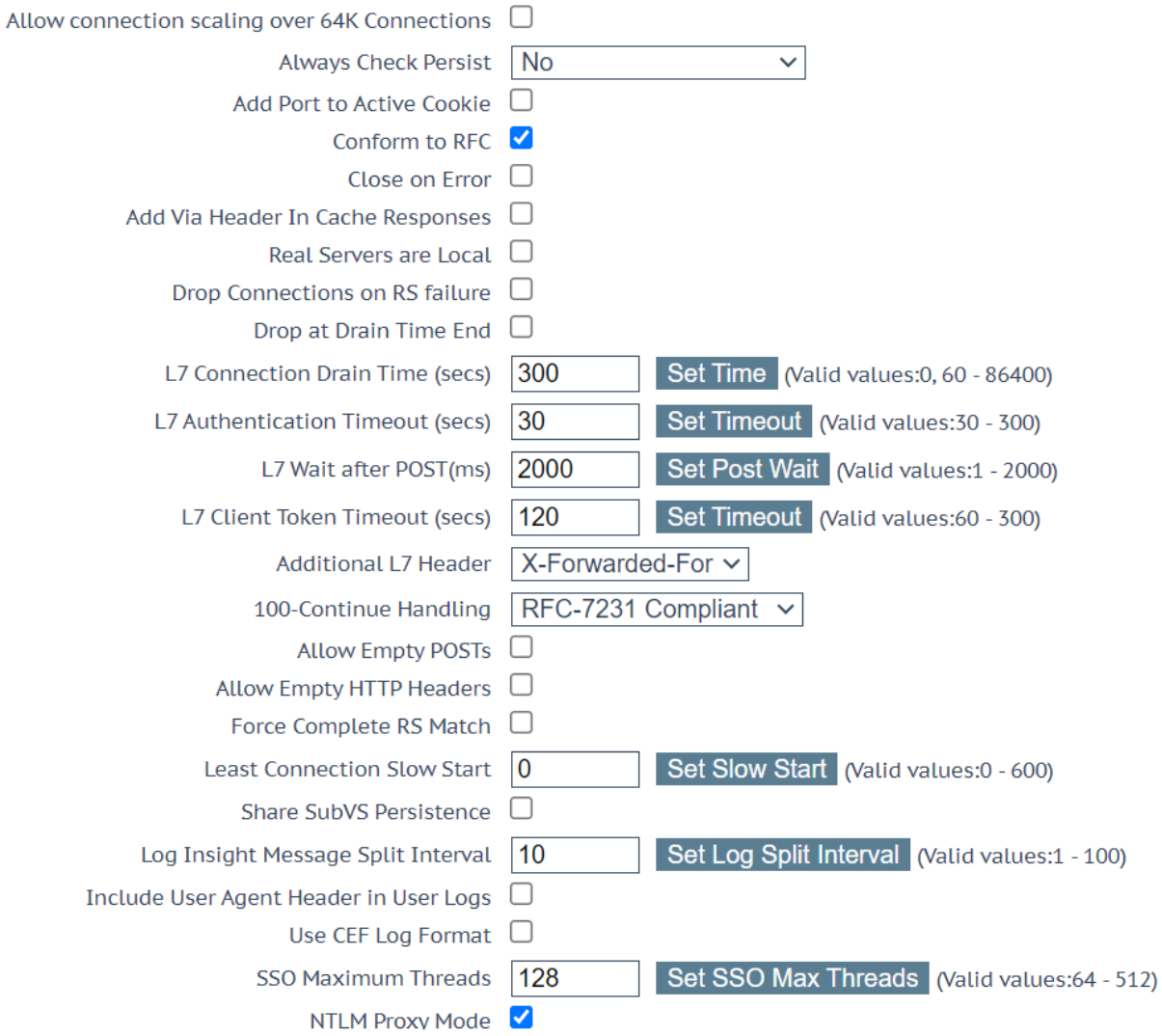
For further details, refer to the **Transparency Requirements** section of the **Transparency Feature Description** on the Documentation Page.

Enable Check Persist Globally

It is recommended that you change the **Always Check Persist** option to **Yes – Accept Changes**. Use the

following steps:

1. Go to **System Configuration > Miscellaneous Options > L7 Configuration**.



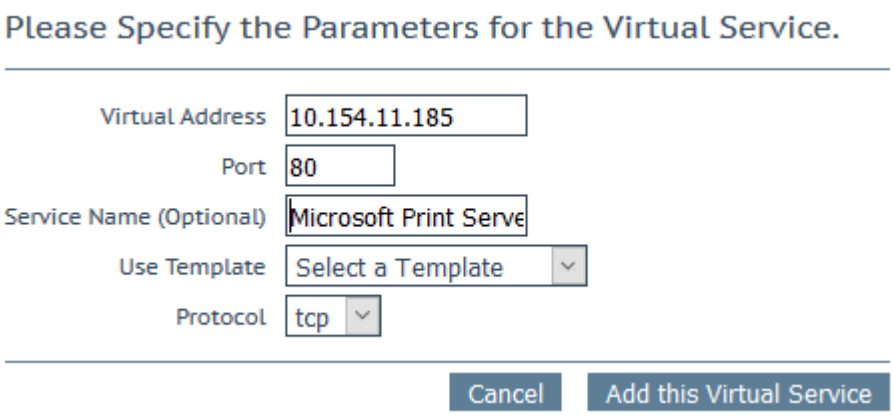
2. Click the **Always Check Persist** dropdown arrow and select **Yes – Accept Changes**.

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Create a Microsoft Print Server Virtual Service

The following are the steps involved and the recommended settings to configure the Microsoft Print Server Virtual Service:

1. In the main menu of the LoadMaster WUI, go to **Virtual Services > Add New**.



2. Type a valid **Virtual Address**.
3. Type ***** as the **Port**.
4. Type a recognizable **Service Name**, such as **Microsoft Print Server**.
5. Click **Add this Virtual Service**.

6. Configure the settings as recommended in the following table:

Section	Option	Value
Basic Properties	Service Type	Generic
Standard Options	Force L4	Enabled
	Persistence Options	Source IP Address
	Timeout	1 Hour
	Scheduling Method	least connection
Real Servers	Real Server Check Method	TCP Connection Only
	Checked Port	135

7. Add the Real Servers:
   1. Expand the **Real Servers** section.
   2. Click **Add New**.
   3. Enter the address of the relevant Real Server.
   4. Complete the other fields as required.
   5. Click **Add this Real Server** then click **OK** to the pop-up message.
   6. Repeat the steps above to add more Real Servers as needed, based on your environment.