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Kemp® LoadMaster®

# Deployment Guide Microsoft Print Server

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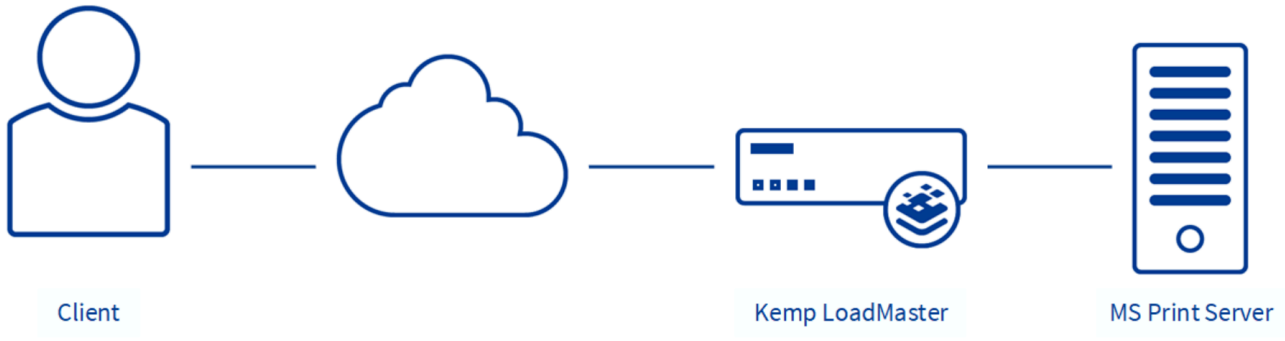
# 1

# 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.

## Architecture



# 2

# Configure the LoadMaster

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

**Contents**


- 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:

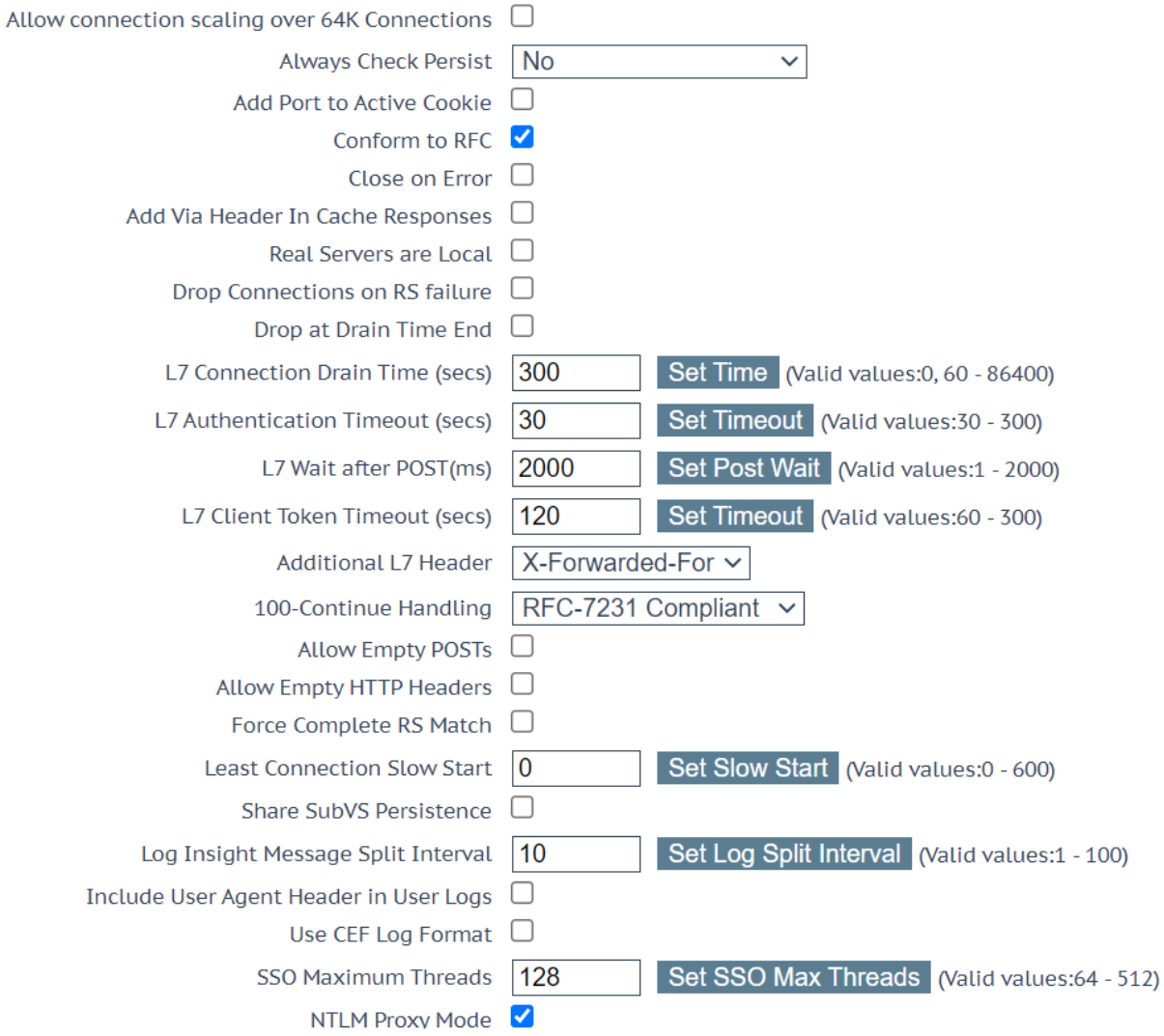
- The Real Server must have the LoadMaster as the default gateway
- The clients cannot be on the same subnet as the Real Server

For further details, refer to the Transparency Requirements section of the Transparency Feature Description.

## 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**.



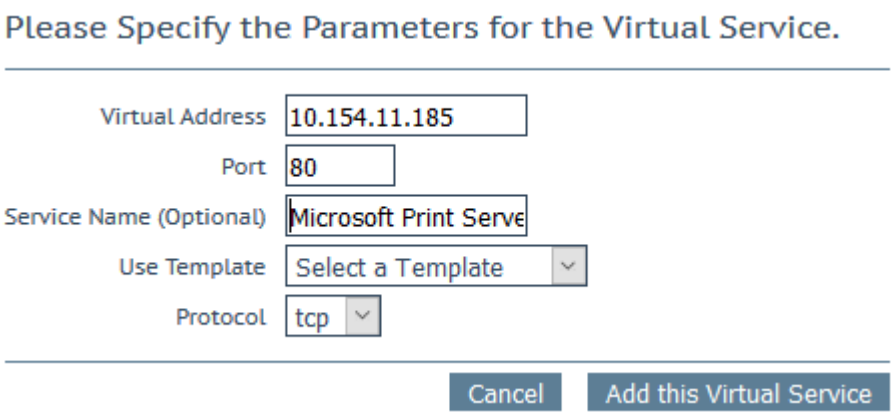

2. Click the **Always Check Persist** dropdown arrow and select **Yes – Accept Changes**.

# 3

# 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.