Progress®
Kemp® LoadMaster®

# Deployment Guide MobileIron

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# 1

# Introduction

MobileIron Sentry is a key component of the MobileIron Platform. Sentry is an in-line gateway which manages, encrypts, and secures traffic between a mobile device and back-end enterprise systems.

MobileIron Sentry interacts with a company's ActiveSync server, such as a Microsoft Exchange Server. The ActiveSync server allows employees to access email, contacts, calendar, tasks, and notes from their mobile devices. MobileIron Sentry, with input from the Virtual Smartphone Platform (VSP), protects the ActiveSync server from unauthorized access. MobileIron VSP provides end-to-end security and management for apps, documents, and devices. IT can now establish a virtual perimeter to secure business data without compromising the privacy of data, even on employee-owned smartphones and tablets.

A LoadMaster can be used to load balance the MobileIron workload.

**Related Links**

For details, see the following topics:

- Document Purpose
- Intended Audience

# Document Purpose

This document is intended to provide guidance on how to deploy MobileIron with a LoadMaster. The Kemp Support Team is available to provide solutions for scenarios not explicitly defined.

# Intended Audience

This document is intended to be used by anyone deploying MobileIron with a LoadMaster.

# 2

# MobileIron Templates

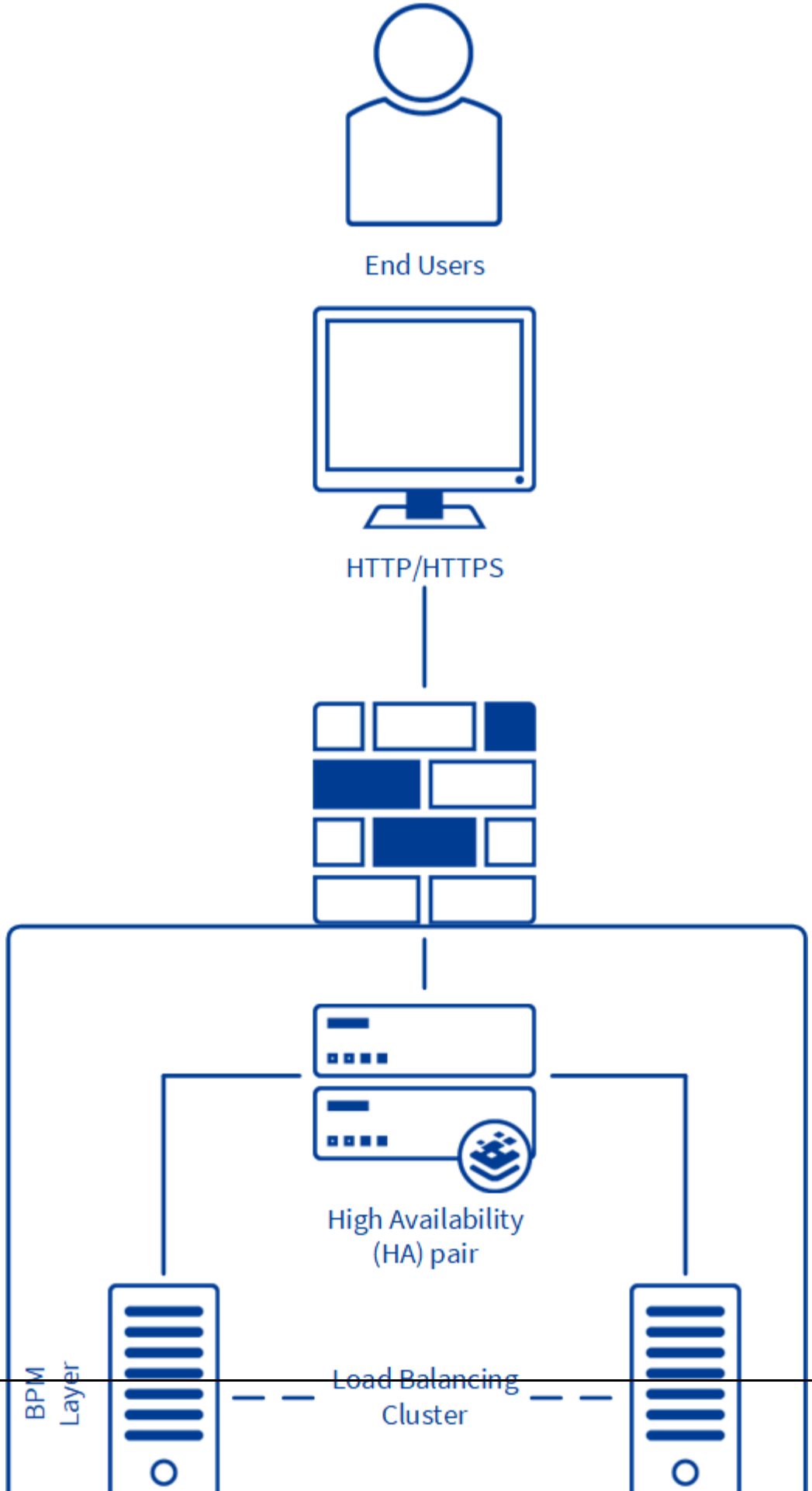
Kemp have developed templates containing our recommended settings for MobileIron. These templates can be installed on the LoadMaster and used when creating each of the Virtual Services. Using a template automatically populates the settings in the Virtual Services. This is quicker and easier than manually configuring each Virtual Service. If needed, changes can be made to any of the Virtual Service settings after using the template.

You can download the MobileIron template from here: Other templates.

**Note:** If you create another Virtual Service using the same template, ensure to change the Service Name to a unique name.

For more information and steps on how to import and use templates, refer to the References.

For steps on how to manually add and configure each of the Virtual Services, refer to the Create MobileIron Virtual Services section.


End Users
HTTP/HTTPS
High Availability
(HA) pair
BPM
Layer
Load Balancing
Cluster

# 3

# Create MobileIron Virtual Services

Refer to the two sections below for step-by-step instructions on how to create and configure the MobileIron Virtual Services.

**Related Links**

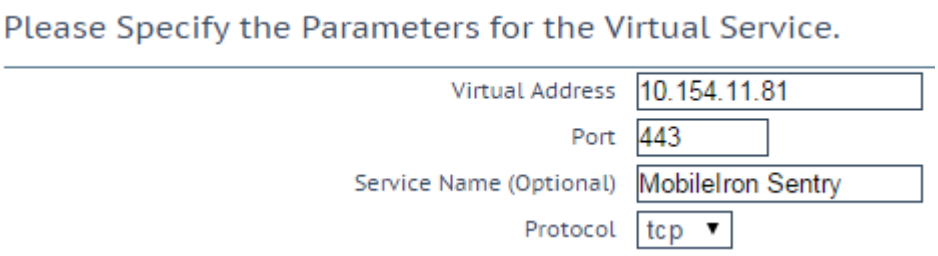
For details, see the following topics:

- Create a MobileIron Sentry Virtual Service
- Create a MobileIron VSP Virtual Service

## Create a MobileIron Sentry Virtual Service

The following lists the steps involved and values required to set up a MobileIron Sentry Virtual Service:

1. In the main menu of the LoadMaster Web User Interface (WUI), go to **Virtual Services > Add New**.



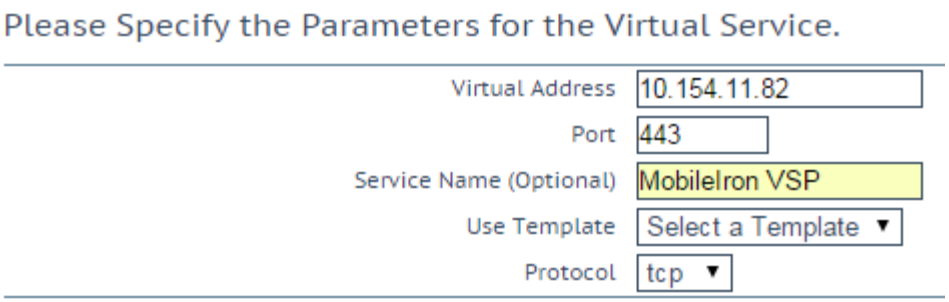
2. Enter a valid IP address in the **Virtual Address** text box.
3. Enter **443** in the **Port** text box.
4. Enter a recognizable **Service Name**, for example **MobileIron Sentry**.
5. Click **Add this Virtual Service**.
6. Configure the settings as recommended in the following table:

| Section | Option | Value | Comment |
|---|---|---|---|
| **Standard Options** | Transparency | Disabled | |
| | Extra Ports | **8443**, **9090** | Click **Set Extra Ports**. |
| | Persistence Mode | Source IP Address | |
| | Timeout | 1 Hour | Click **Set Idle Timeout**. |
| | Scheduling Method | Weighted Response Time | |
| | Idle Connection Timeout | 900 | Click **Set Idle Timeout**. |
| **Advanced Properties** | Add a Port 80 Redirector VS | https://%h%s | Click the **Add HTTP Redirector** button. |
| **Real Servers** | Real Server Check Parameter<br><br>URL | HTTPS Protocol<br><br>/mics | Click **Set URL**. |

# Create a MobileIron VSP Virtual Service

The following lists the steps and values required to set up a MobileIron VSP Virtual Service:

1. In the main menu of the LoadMaster Web User Interface (WUI), go to **Virtual Services > Add New**.




2. Enter a valid IP address in the **Virtual Address** text box.
3. Enter **443** in the **Port** text box.
4. Enter a recognizable **Service Name**, for example **MobileIron VSP**.
5. Click **Add this Virtual Service**.
6. Configure the settings as recommended in the following table:

| Section | Option | Value | Comment |
|---|---|---|---|
| **Standard Options** | Transparency | Disabled | |
| | Extra Ports | **8080, 8443**, **9090**, **9997** | Click **Set Extra Ports**. |
| | Persistence Mode | Source IP Address | |
| | Idle Connection Timeout | 1 Hour | Click **Set Idle Timeout**. |
| | Scheduling Method | Fixed Weighting | |
| | Idle Connection Timeout | 1800 | Click **Set Idle Timeout**. |
| **Real Servers** | Real Server Check Parameter | HTTPS Protocol | Click the **Add HTTP Redirector** button. |
| | URL | /mics | Click **Set URL**. |

# 4

# References

Unless otherwise specified, the following documents can be found at https://docs.progress.com.

**Virtual Services and Templates, Feature Description**