



XEN Para Virtualized

Installation Guide

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1 Introduction

This document describes the installation of Kemp 360 Central within a Xen, para-virtualized environment.

There are several different versions of the VM available. Full details of the currently supported versions are available on our website: www.kemptechnologies.com.

Para virtualization requires some modification of the guest operating system (OS) or application. The guest OS or applications are aware that they are in a virtual environment, which allows for a near-native performance.

There may be maximum configuration limits imposed by Xen such as maximum RAM per Virtual Machine (VM), Virtual Network Interface Cards (NICs) per VM, and so on. For further details regarding the configuration limits imposed by Xen, refer to the relevant Xen documentation.

A wide variety of Linux distributions can be used as the Dom0 operating system. For a full list of the compatible Linux distributions, refer to www.xen.org.

Kemp 360 Central has been tested with the following Dom0 operating systems and versions of Xen.org.

Dom0 OS	Xen.org Version
Ubuntu 16.04.2	4.6.5

There are several versions of the Xen software and not all are officially supported by Kemp:

- Kemp supports the version available from xenproject.org (note that the URL xen.org redirects to this website)
- Kemp does not support the version available from xenserver.org

When deploying Kemp 360 Central, ensure you are using the version of Xen available from xenproject.org.

If you have any issues with Kemp 360 Central when using a different combination of Xen.org versions and Linux distributions as the Dom0, then contact Kemp Support.

2 Installing Kemp 360 Central on a Xen Environment

The following instructions describe how to install Kemp 360 Central in a Xen environment.

2.1 Download the Xen Para-Virtualized Files

The VM is packaged within a .tar.gz file for ease of deployment. To download the VM, follow the instructions below:

1. Go to <https://kemptechnologies.com/kemp360-central-download/>.
2. Select your country from the drop-down list provided.
3. In the **Select your hypervisor section**, click **KVM/XEN**.
4. Click **Download**.
5. A dialog box that allows you to save the ZIP file appears automatically. If it does not, click the **you can manually start your download** link.
6. Click **Save File** and then click **OK**.
7. If you don't already have a Kemp ID, use the form at the bottom of this web page to create one.

2.2 Configure the Configuration File

Kemp recommends using Virtual Machine Manager to deploy Kemp 360 Central in a xen para-virtualized environment. The steps below were documented using Virtual Machine Manager:

1. Click **Create a new virtual machine**.
2. Select **Import existing disk image**.
3. Click **Virtualization Method**.
4. Select **xen(paravirt)**.
5. Click **Forward**.
6. Browse to and select the disk file.

7. Select **Generic** as the **OS type**.
8. Select **Generic** as the **Version**.
9. Click **Forward**.
10. Enter a minimum of **4096 MB** in the **Memory** text box.
11. Enter a minimum of **2** in the **CPUs** text box.
12. Click **Forward**.
13. Enter a **Name** for the Virtual Machine.
14. Expand the **Advanced options** section and select appropriate network for the machine.
15. Click **Finish**.

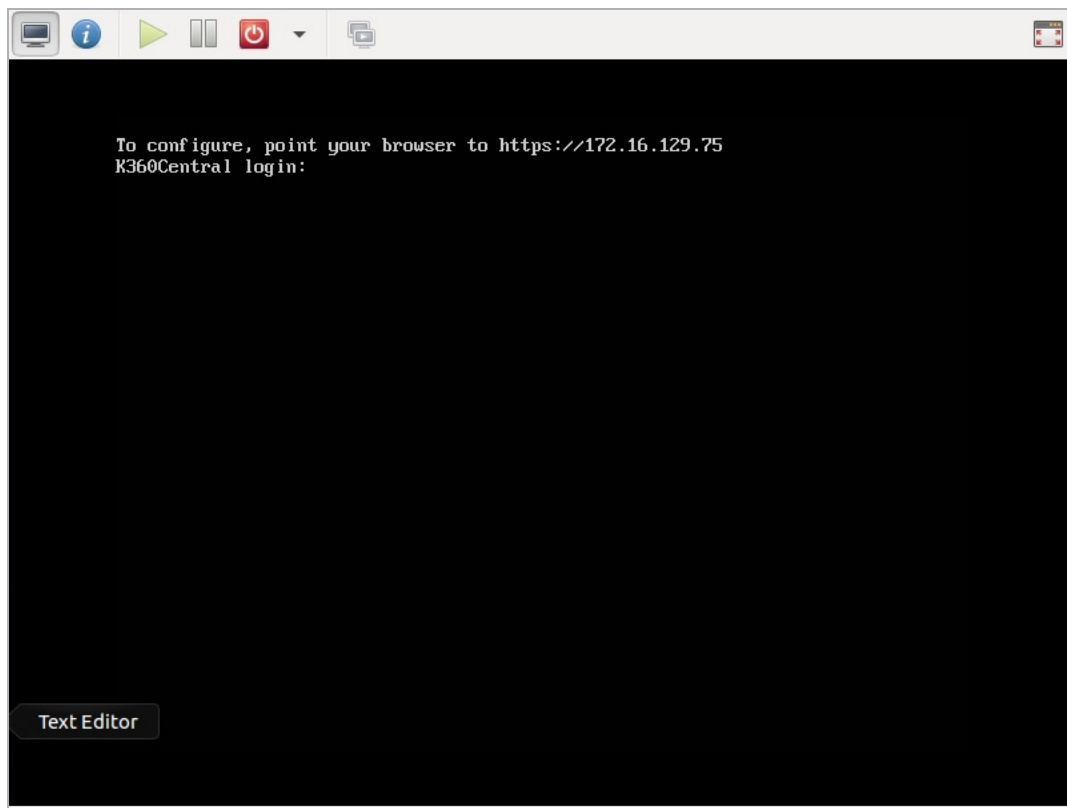
2.3 Check the Virtual Machine Settings

Please verify that the Virtual Machine settings are configured with the recommended values:

- 2 x virtual processors
- 2 GB RAM
- 16 GB virtual hard disk capacity (sparse where possible)

2.4 Power on Kemp 360 Central

To start Kemp 360 Central boot process, power on Kemp 360 Central. This is immediately attached to the serial console.



Kemp 360 Central obtains an IP address by using DHCP. Make a note of this address.


2.5 License and Configure Kemp 360 Central

Configure Kemp 360 Central to operate within the network configuration.

1. In an internet browser, enter the IP address that was previously noted.

Ensure to enter https:// before the IP address.

2. A warning may appear regarding website security certificates. Click the **continue/ignore** option.
3. The Kemp 360 Central **Welcome** page appears, click **Continue** to proceed.
4. The Kemp 360 Central End User License Agreement screen appears. Please read the license agreement and, if you are willing to accept the conditions therein, click the **Agree** button to proceed.



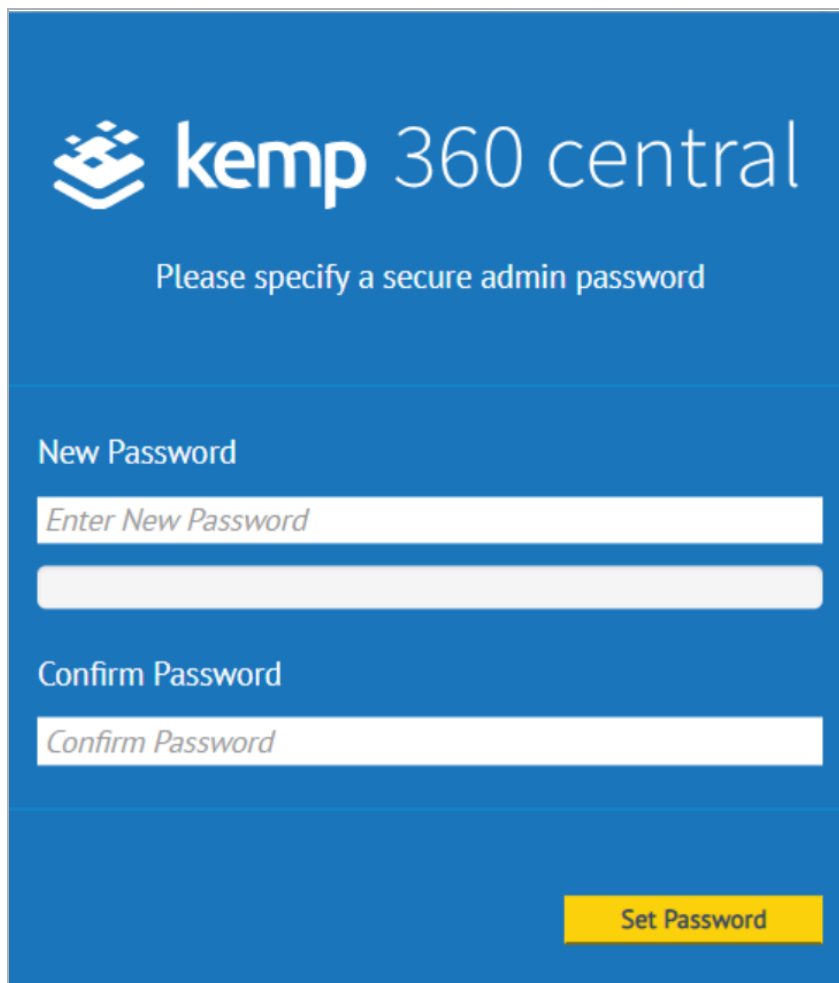
The image shows the Kemp 360 Central License Activation interface. It has a blue header with the Kemp logo and 'kemp 360 central' text. Below the header, it says 'License Activation'. There are three tabs: 'Online', 'Offline', and 'Manual'. The 'Online' tab is selected. Below the tabs, it says 'Activate Kemp 360 Central by entering a valid Kemp ID'. There are three input fields: 'Contract ID', 'Enter your Kemp ID', and 'Enter Password'. The 'Enter Password' field has a toggle icon. Below the input fields, there is a link 'No Kemp ID? Register here', a link 'Advanced settings', and a yellow 'License Now' button.

5. If using the **Online** licensing method, fill out the fields and click **License Now**.


If using the **Offline Licensing** method, select **Offline Licensing**, obtain the license text, paste it into the **License** field and click **Apply License**.

For detailed instructions on how to register for a Kemp ID and license the LoadMaster, refer to the **Kemp 360 Central, Feature Description** on the [Kemp Documentation Page](#).

6. Set the desired admin password and click **Set Password**.



The image shows the Kemp 360 Central web interface for setting an admin password. The background is blue. At the top left is the Kemp logo, which consists of a stylized 'K' made of three stacked squares. To the right of the logo, the text 'kemp 360 central' is displayed in white. Below this, the instruction 'Please specify a secure admin password' is written in white. The form has two main sections: 'New Password' and 'Confirm Password'. Each section has a white input field with a light blue border. The 'New Password' section has a second, lighter input field below the first one. The 'Confirm Password' section has a single input field. At the bottom right, there is a yellow button with the text 'Set Password' in black.

 **kemp** 360 central

Please specify a secure admin password

New Password

Enter New Password

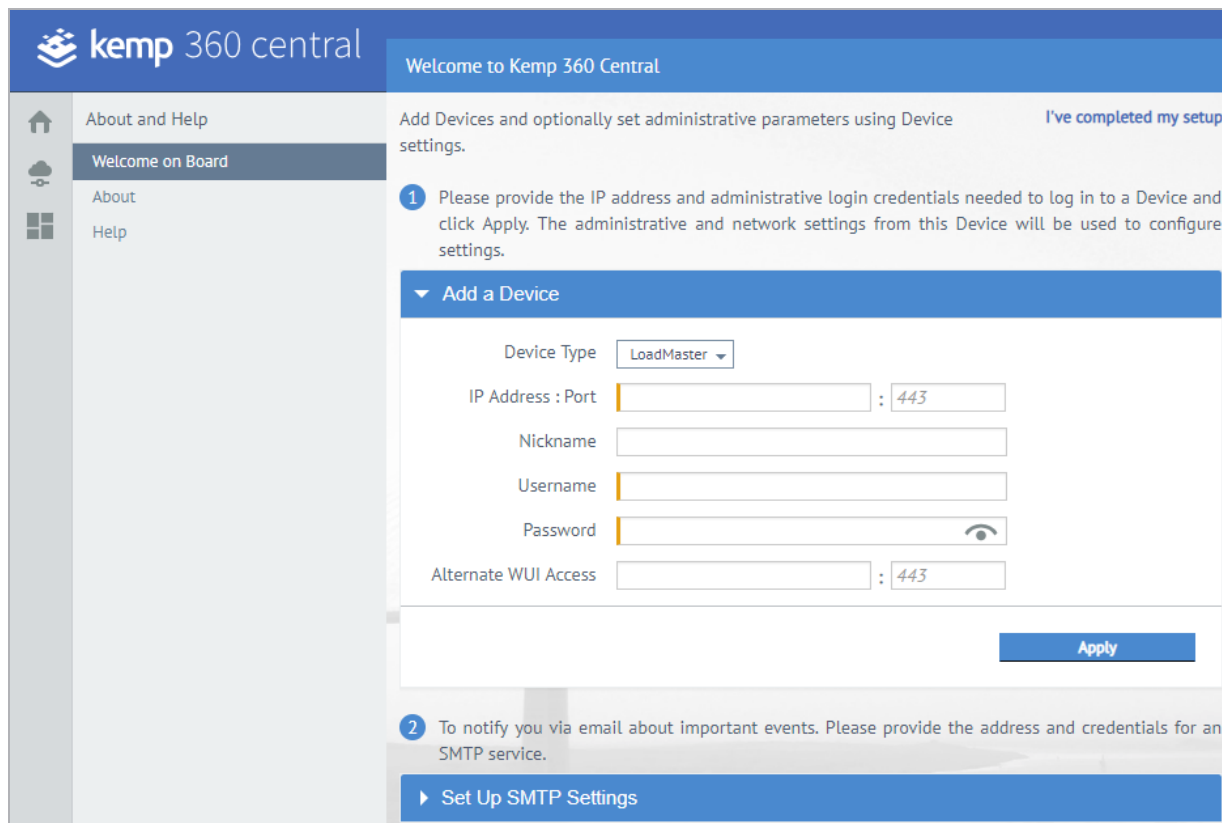
Confirm Password

Confirm Password

Set Password

7. You should now connect to the **Welcome** page of Kemp 360 Central.

2 Installing Kemp 360 Central on a Xen Environment



kemp 360 central

Welcome to Kemp 360 Central

About and Help

Welcome on Board

About

Help

Add Devices and optionally set administrative parameters using Device settings. [I've completed my setup](#)

1 Please provide the IP address and administrative login credentials needed to log in to a Device and click Apply. The administrative and network settings from this Device will be used to configure settings.


▼ Add a Device

Device Type

IP Address : Port

Nickname

Username

Password 

Alternate WUI Access

[Apply](#)

2 To notify you via email about important events. Please provide the address and credentials for an SMTP service.

[Set Up SMTP Settings](#)

Last Updated Date

This document was last updated on 27 July 2023.