



Kemp 360 Central 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

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

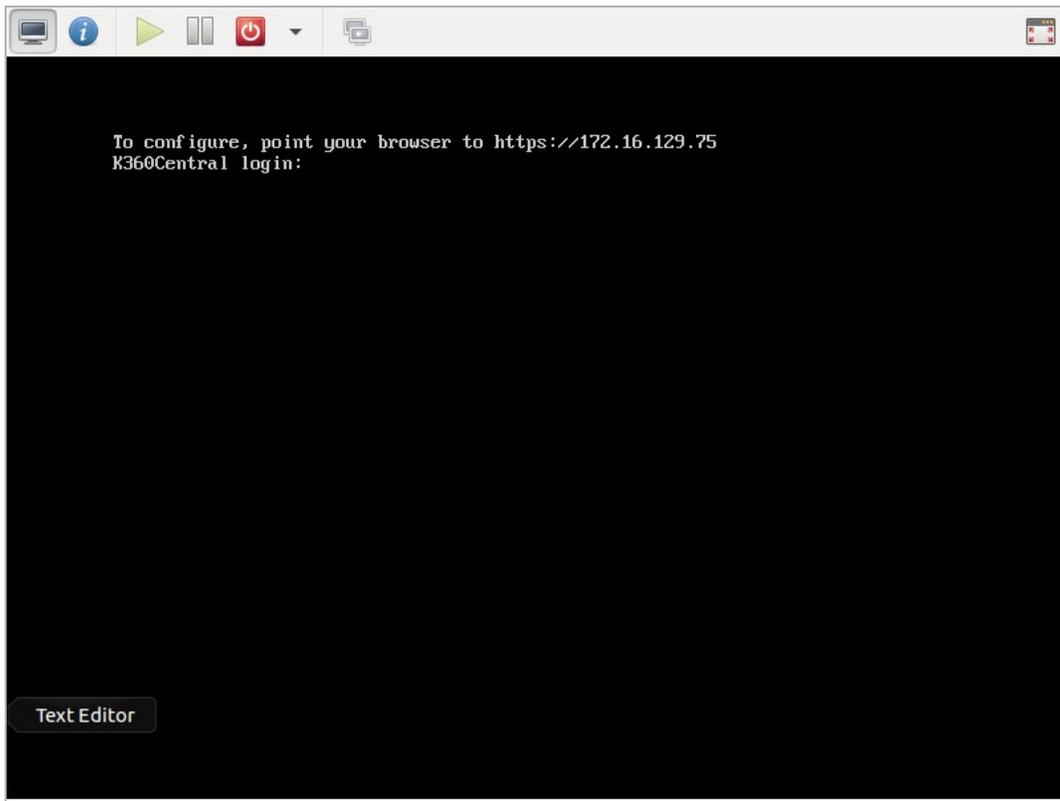
Note that since Version 1.25.2, the default minimum Virtual Machine provisioning requirements for new installs have been updated as follows:

Resource	V1.24 and earlier firmware	V1.25.2 and later firmware
CPU	Two cores	Four cores
RAM	4 GB	8 GB
Disk Storage	40 GB	250 GB

Upgrades to Version 1.25.2 and later releases will not update existing Virtual Machine resources. To modify your current Virtual Machine configuration to conform to the above minimum values, contact Kemp Support.

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.

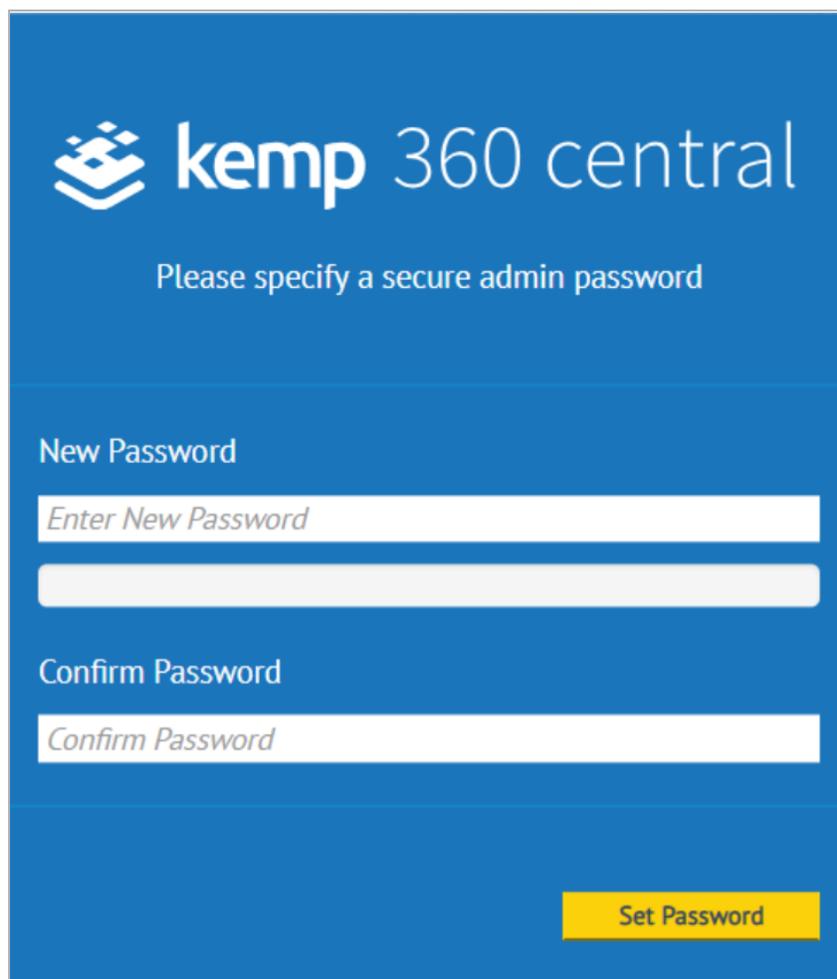


5. If using the **Online** licensing method, fill out the fields and click **License Now**.

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

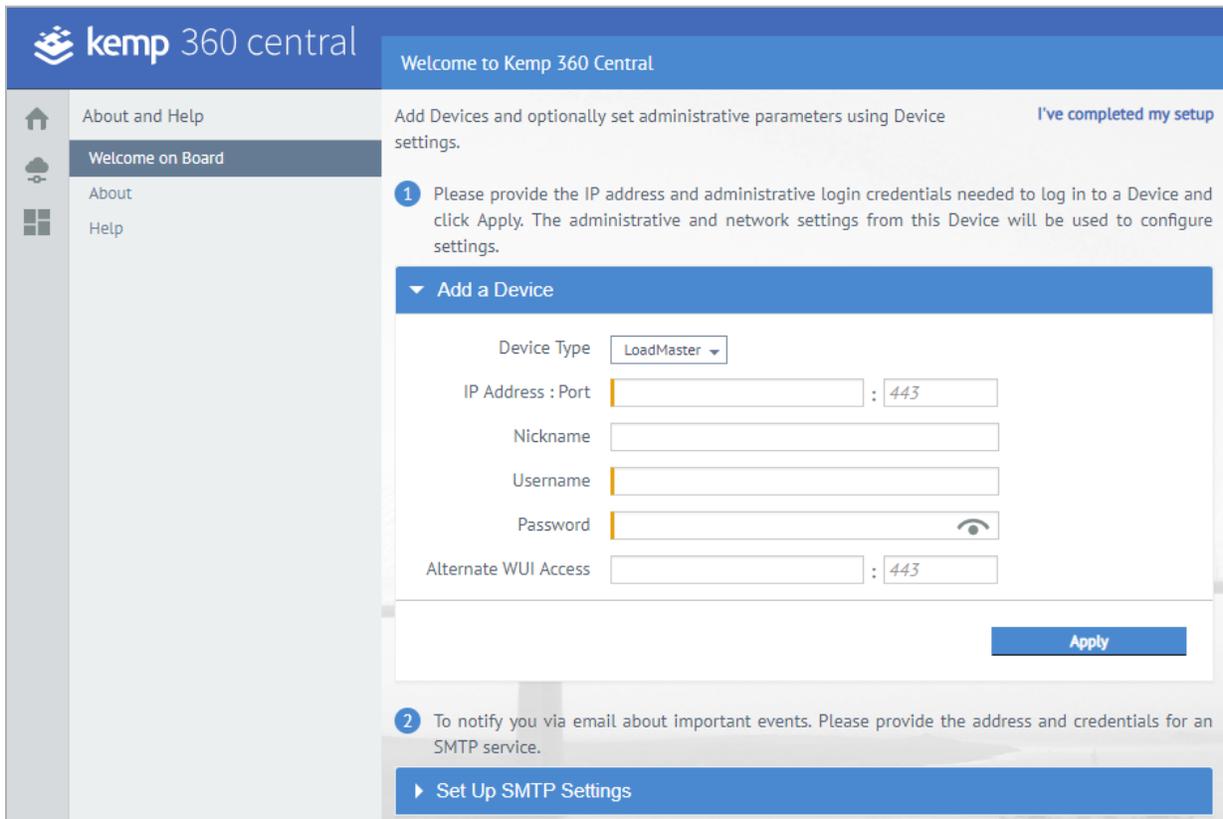
For detailed instructions on how to register for a Kemp ID and license the LoadMaster, refer to the **Kemp 360 Central, Feature Description** on the [Kemp Documentation Page](#).

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



The image shows a blue-themed web interface for setting a password. At the top, the Kemp logo and 'kemp 360 central' are displayed. Below this, the text 'Please specify a secure admin password' is centered. The form contains two sections: 'New Password' with a text input field containing the placeholder 'Enter New Password' and a corresponding password strength indicator bar; and 'Confirm Password' with a text input field containing the placeholder 'Confirm Password'. A yellow 'Set Password' button is located at the bottom right of the form.

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



The screenshot displays the Kemp 360 Central web interface. The top navigation bar includes the Kemp logo and the text '360 central'. A left-hand sidebar contains navigation links: 'About and Help', 'Welcome on Board' (which is highlighted), 'About', and 'Help'. The main content area is titled 'Welcome to Kemp 360 Central' and contains the following elements:

- A header section with the text 'Add Devices and optionally set administrative parameters using Device settings.' and a link 'I've completed my setup'.
- A numbered instruction: '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.'
- A section titled 'Add a Device' containing a form with the following fields:
 - 'Device Type' dropdown menu set to 'LoadMaster'.
 - 'IP Address : Port' input field with '443' in a secondary field.
 - 'Nickname' input field.
 - 'Username' input field.
 - 'Password' input field with a visibility toggle icon.
 - 'Alternate WUI Access' input field with '443' in a secondary field.
- An 'Apply' button.
- A second numbered instruction: '2 To notify you via email about important events. Please provide the address and credentials for an SMTP service.'
- A 'Set Up SMTP Settings' button.

Last Updated Date

This document was last updated on 19 February 2019.