KERIO CONTROL V9.3.0 (BETA)

Installation Guide

PICO PC®

Installing Kerio Control

1. Pre-requisites

Before proceeding to the installation, the intended user should know that in order to install Kerio Control v9.3.0 on mini PC the following steps should be followed:

- Kerio Control stable release version only.
- Kerio Control to be downloaded from their website but first you need to register for the product which is free for trial or if you have a paid license then you can enter it at the time of installation.

  http://www.kerio.com/support/kerio-control

SERVER	VPN	SUPPORT TOOLS
PRODUCT UPDATES FOR EXISTING USERS		
Kerio Control Software Appliance	233 MB	DOWNLOAD
Kerio Control VMware Virtual Appliance (VMX)	167.55 MB	DOWNLOAD
Kerio Control VMware Virtual Appliance (OVF)	183.89 MB	INSTRUCTIONS
Kerio Control Hyper-V Virtual Appliance	145.78 MB	DOWNLOAD
Kerio Control Update Image	167.59 MB	DOWNLOAD
Kerio Control Update Image (only for Box 1110, 3110 and 3120)	170.84 MB	DOWNLOAD

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- USB flash drive 2.0 or 3.0 and size 4 GB (minimum).
- Utility that helps create boot-able USBs for example, PowerISO or Rufus etc.
- Once you have downloaded the Kerio Control image make sure to verify the integrity of the downloaded file.

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2. Preparing for installation

- The installation image file downloaded previously must be transferred to the USB flash drive. The usual copying of image directly to the drive is not the answer.
- Appropriate utility is required to make the flash drive bootable.
- We'll be using Rufus which is a free utility to make bootable USB flash drives. You can also use other utilities as well.

3. Writing the Image

- If you haven't downloaded Rufus utility to make the USB flash drive bootable then you can download from https://rufus.ie
- Make sure the USB flash drive is blank and formatted as once the image is written all previous contents will be deleted.

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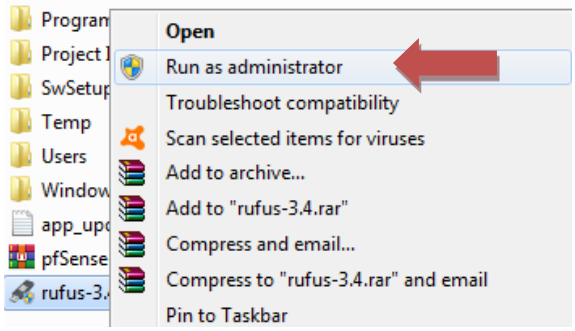
- Run the program as "administrator".
- Once you plug in the USB flash drive you will find that it has been detected by Rufus straightaway.



- Now click on the "select" button and specify the Kerio Control image file on the client PC.

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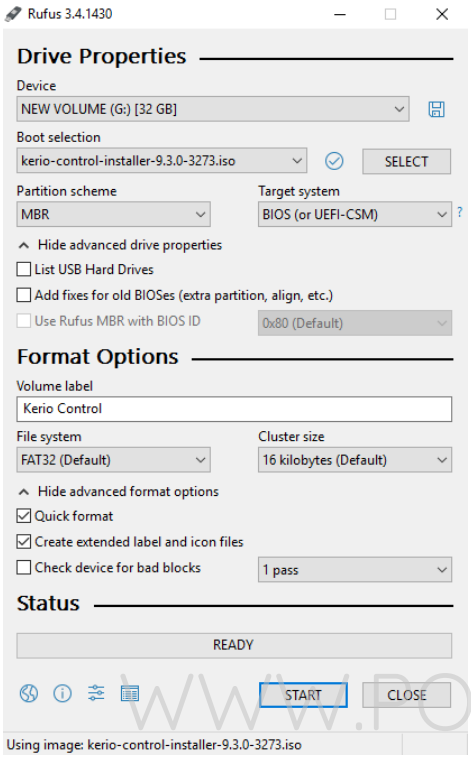
- Once done you will find the Kerio Control image file name in the “boot selection” section.



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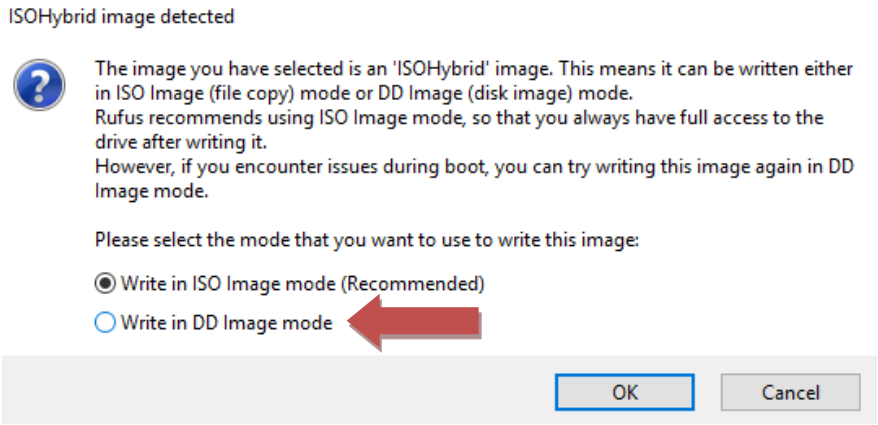
- Now simply go ahead and click on “start”.

- You will be prompted to write the image in “ISO Image Mode” or “DD Mode”. Select “DD Mode” and press “OK”.



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- Once underway it will show the status of the process in the form of progress bar with percentage. It will only take a minute or two to complete the process.

- Once the process is completed you are now ready to go.

4. Installation

- Once you have plugged in the USB flash drive in one of the two ports in the back of the mini PC then simply power it up.

- Once you see the “splash screen” then simply press **CTRL+S** and it will start the booting process.

- Once the boot process has been completed you will be presented with the installation screen.

- Select language and press “Enter” to continue.

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- Agree to the “End User License Agreement” by pressing “F8”.

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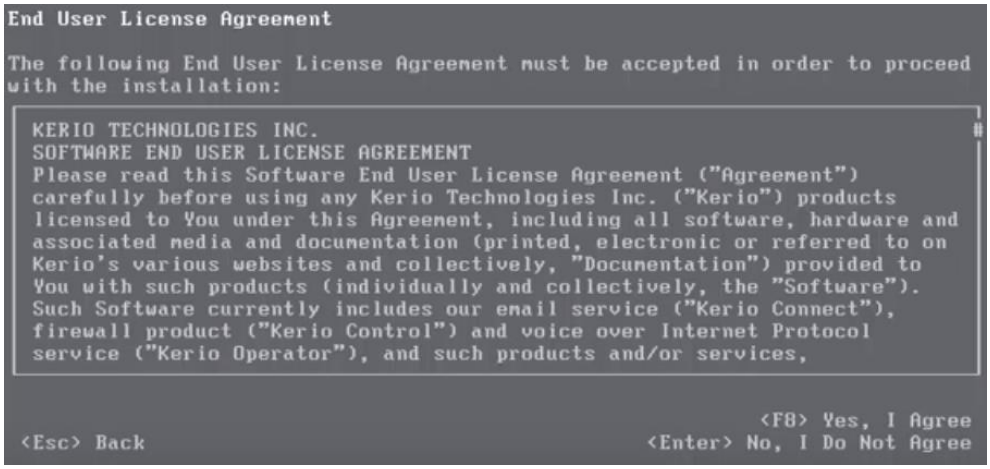
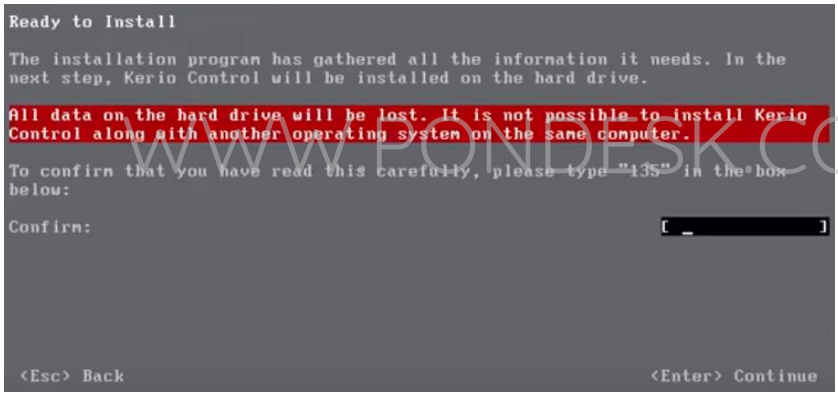


- You will be prompted with a warning "All data will be lost on hard drive". To confirm type "135" to agree and press "enter" to continue.



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- This will start the installation and may take a couple of minutes to complete.

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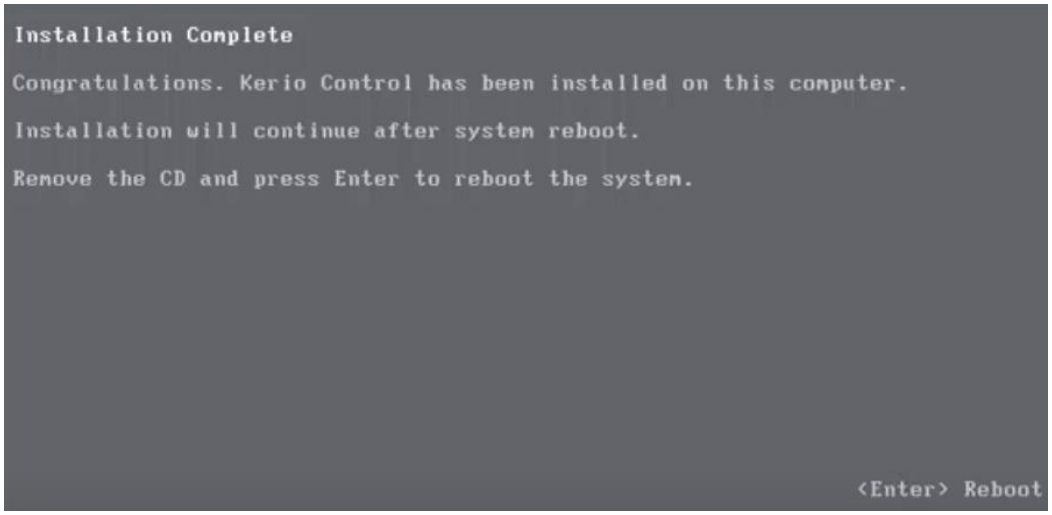
- Once the installation is done you will be prompted to remove the installation media then reboot.



- Upon rebooting you will be provided the URL to access Kerio Control webGUI.

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- In order to setup network configuration you can do via the “Access Console” but can also be done via webGUI as well.

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- Upon accessing the webGUI you will be presented with the Activation Wizard to setup the firewall.

- Select “language” and press “Next” to continue.

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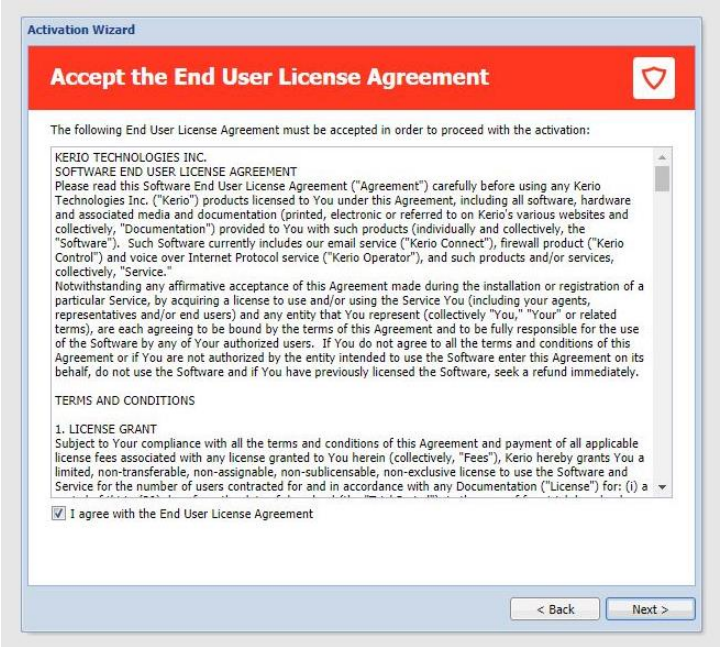
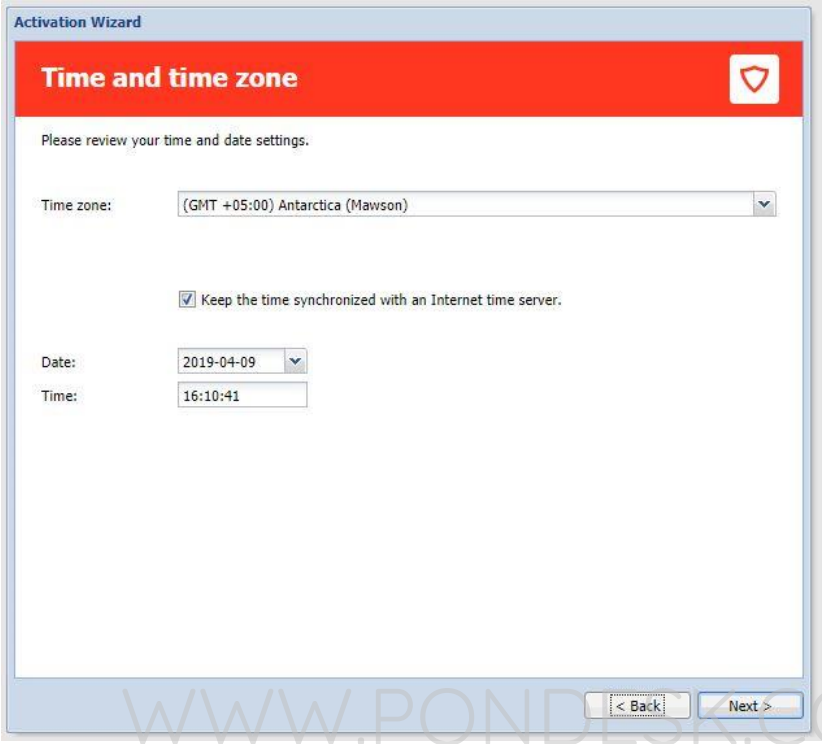
- Accept to the “End User License Agreement”.



- Specify the time and time zone. Select “Next” to continue.



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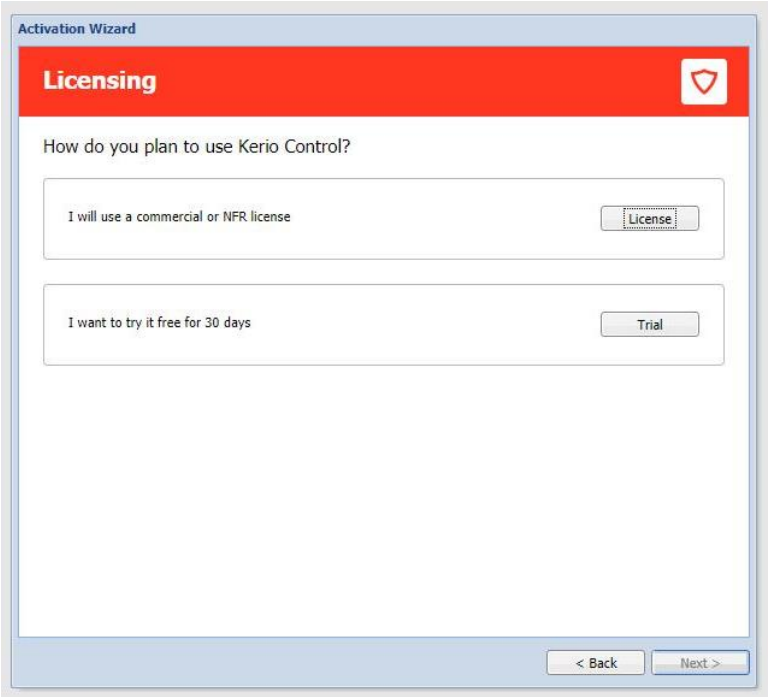
- Choose the appropriate license type and continue.



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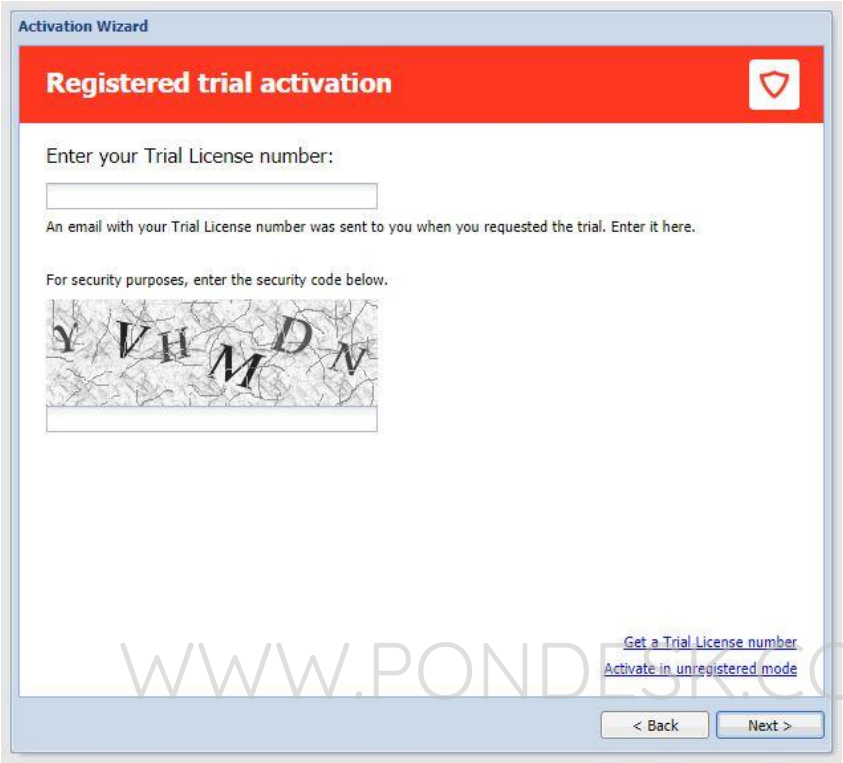
- We'll be working with the trial license in this tutorial. Enter the license key you have received and enter the security code.



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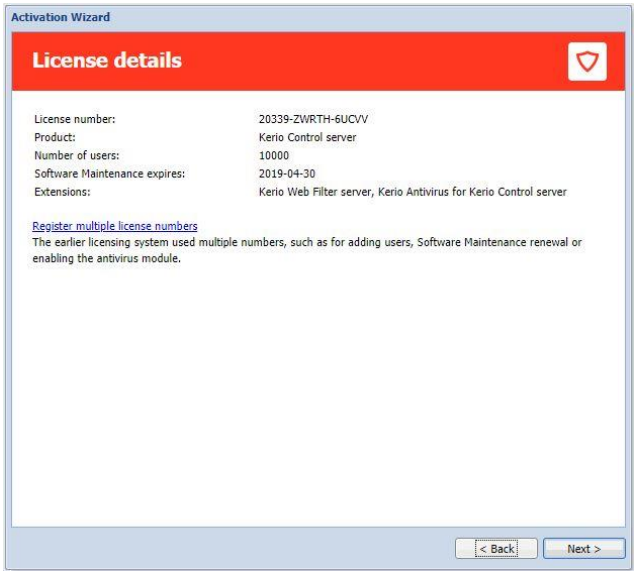
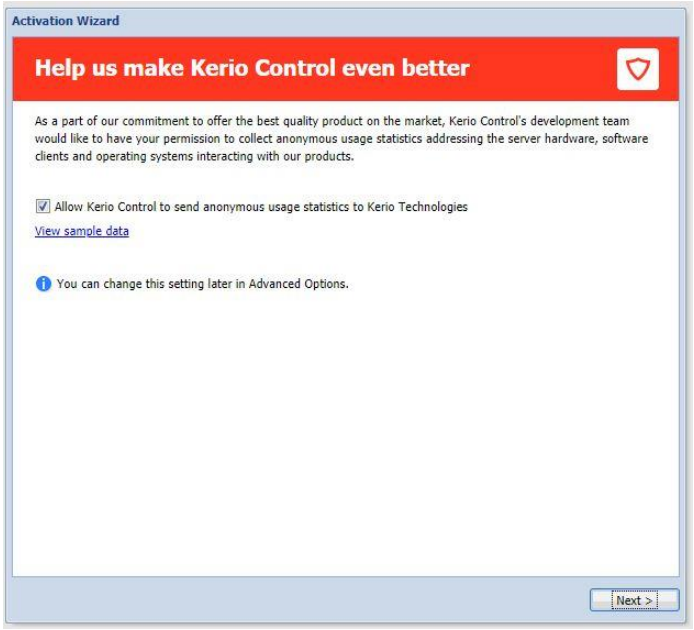
- Once the license is successfully uploaded you will be presented with the "license detail" screen.



- Specify whether you wish to permit Kerio Control's development team to collect anonymous usage statistics or not then select "Next".



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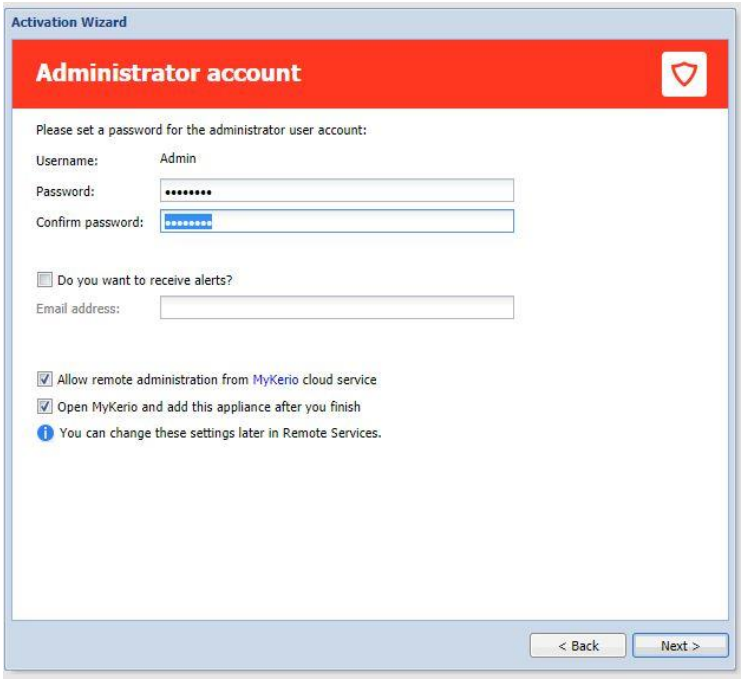
- Specify the password for the "Administrator Account" for accessing the webGUI and select "Next".



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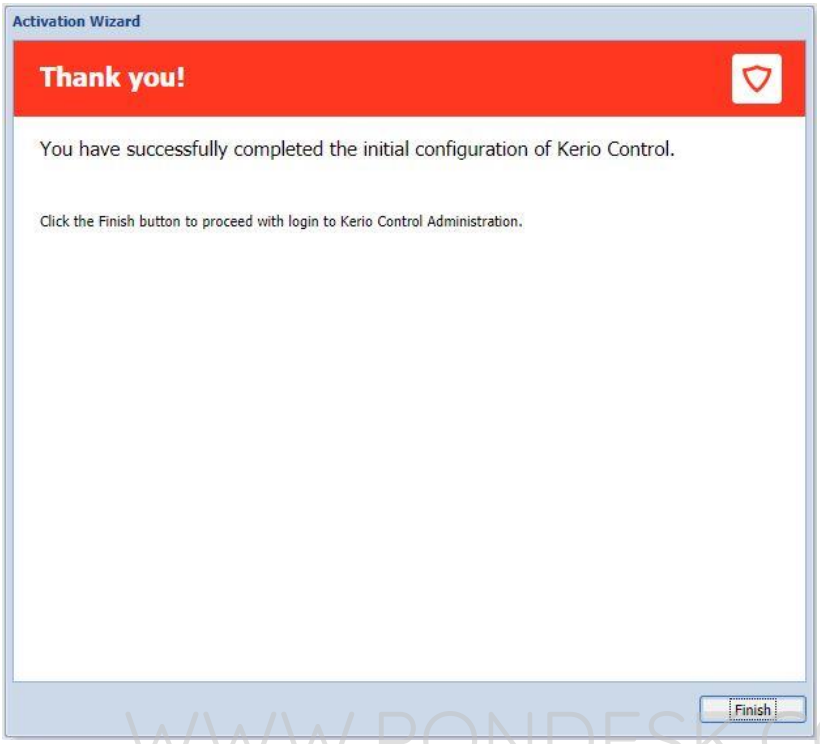
- Now you are done with the “Activation Wizard”.



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- You can now go ahead and access the webGUI. The default username is “admin” and password is the one you specified.

- You can setup your LAN and WAN network as per your requirement from here on.

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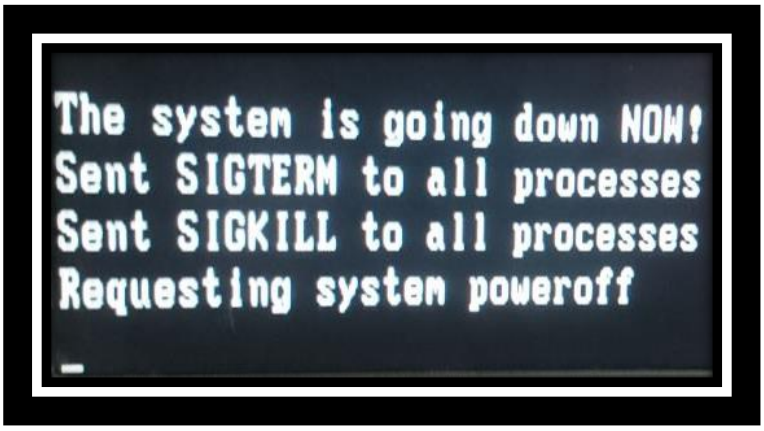
Warning: Since Kerio Control is based on Linux Debian Kernel 3.16 Jessie which has a known bug when it comes to powering down (shutdown) the device. Result is the system freezes at the following prompt:



- We have been in touch with the GFI Support and according to them they are aware of the problem and this will be fixed in their future release as they will be migrating to Debian Stretch Kernel but there are no ETAs to it. The temporary workaround for this is to modify the "/etc/default/acpid" file.

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- For this you need to enable SSH in Kerio Control which can be done by holding the "shift" key and go to "status" then select "System Health". Here you will find "Enable SSH" button. Click on it and you are done. This can also be done from the "Access Control" Section.

- Now you need to change the system read/write permissions.

- Then issue "mount -o remount,rw /" command.

- Now we need to modify "/etc/default/acpid" file in nano or vi editor. This file is a read only file which is why we changed the system read/write permissions.

- In the text editor you need to remove "#" symbol next to modules="all" in the last line as shown in the screenshot below.

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```
# Options to pass to acpid
#
# OPTIONS are appended to the acpid command-line
#OPTIONS=""

# Linux kernel modules to load before starting acpid
#
# MODULES is a space separated list of modules to load, or "all" to load all
# acpi drivers, or commented out to load no module
#MODULES="battery ac processor button fan thermal video"
#MODULES="all"
~
~
~
~
~
~
~
~
~
~
~
~
"/etc/default/acpid" [readonly] 11 lines, 346 characters
```

- Once you have removed the “#” then save the file and reboot.

- Now request a system shutdown and it will work but this solution is a hit and miss. We **don’t recommend** it as system permissions are changed due to this and are not responsible as we are hardware manufacturers. If you have paid license, then we suggest you to contact GFI Support for your Kerio Control.

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- What we have also observed is when we unplugged the ethernet cable from the system as soon as the shutdown command was invoked from webGUI or CLI the system shutdown properly.

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THANK YOU

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