

# Kerio Control VMware Virtual Appliance

## Quick Setup Guide

This document provides detailed description on installation and basic configuration of the *Kerio Control VMware Virtual Appliance*, version 7.3. All additional modifications and updates reserved. For detailed information on *Kerio Control*, refer to *Kerio Control — Administrator's Guide* and related documents. Any documents providing information on this product are available at <http://www.kerio.com/control/manual/>.

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### 1 Kerio Control VMware Virtual Appliance

*Kerio Control VMware Virtual Appliance* is a UTM solution distributed as a virtual appliance for *VMware*. The software provides a complex set of features for security of local networks, control of user access to the Internet and monitoring of user activity. It also includes tools for secure interconnection of company's offices and connection of remote clients to the LAN via the Internet (VPN).

To keep this document simple and easy to read, *Kerio Control VMware Virtual Appliance* will be referred to as *firewall*.

### 2 System requirements and licensing

#### *System requirements*

For up-to-date system requirements, please refer to:

<http://www.kerio.com/control/technical-specifications>

#### *Licensing Policy*

*Kerio Control VMware Virtual Appliance* can be used for free for 30 days from installation (trial version)<sup>1</sup>.

Upon the trial version expiration, you will need to purchase a corresponding license for further use of the product. Then simply register the trial version with a valid license key. This process makes the trial version full version automatically.

The license is defined by:

- The base product license,
- *Kerio Web Filter* license (optional component used for classification of web content),
- License for the integrated *Sophos* antivirus (optional component).

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<sup>1</sup> In unregistered trial version, *Kerio Web Filter* and updates of integrated antivirus and intrusion prevention system rules are not available. To get these features, you will need to register the trial version for free. For details, see the [Administrator's Guide](#).

For detailed information about license options, pricing and license purchase, refer to <http://www.kerio.com/control>.

### 3 Installation and basic configuration of the firewall

*Kerio Control VMware Virtual Appliance* (referred simply as “the firewall” in the document) is distributed in two types of packages:

- In the *OVF* format (*Open Virtualization Format*) — for *VMware ESX/ESXi*,
- In the proprietary *VMX* format for “hosted” *VMware* products — *VMware Server, Workstation, Fusion* and *Player*.

Once all these parameters are set, the *Control Engine* service (daemon) is started. While the firewall is running, the firewall’s console will display information about remote administration options and change of some basic configuration parameters (see chapter 5).

#### **Importing virtual appliance to VMware product**

Use an installation package in accordance with the type of your *VMware* product (see above):

- In case of products *VMware Server, Workstation, Player* and *Fusion*, download the compressed *VMX* distribution file (\*.zip), unpack it and open the .vmx file.
- You can import a virtual appliance directly to *VMware ESX/ESXi* from the URL of the *OVF* file — for example:

```
http://download.kerio.com/dwn/control/  
kerio-control-appliance-1.2.3-4567-linux.ovf
```

*VMware ESX/ESXi* automatically downloads the *OVF* configuration file and a corresponding disk image (.vmdk).

If you import virtual appliance in the *OVF* format, bear in mind the following specifics:

- In the imported virtual appliance, time synchronization between the host and the virtual appliance is disabled. However, *Kerio Control* features a proprietary mechanism for synchronization of time with public Internet time servers. Therefore, it is not necessary to enable synchronization with the host.
- Tasks for shutdown or restart of the virtual machine will be set to default values after the import. These values can be set to “hard” shutdown or “hard” reset. However, this may cause loss of data on the virtual appliance. *Kerio Control VMware Virtual Appliance* supports so called *Soft Power Operations* which allow to shutdown or restart hosted operating system properly. Therefore, it is recommended to set shutdown or restart of the hosted operating system as the value.

## **Installation**

Upon the first startup of the virtual appliance, installation and basic configuration of *Kerio Control* is required. This includes the following simple steps:

1. Select a language for the installation. This language will be used both for installation and for the firewall's console which is running all the time while the firewall is running.
2. From the list of the firewall's network interfaces, select an interface connected to the local (trustworthy) network from which the firewall's remote administration will be performed. This setting can be changed any time later (e.g. if you find out that you selected an incorrect interface during the installation).
3. Now define IP address and subnet mask for the selected local network interface. It is recommended to set these parameters manually (i.e. not to use automatic configuration via DHCP).
4. Set time zone and check/set date and time settings for the virtual machine. These settings are necessary for correct functionality of the firewall.
5. On a computer connected to the local network, open a web browser, connect to the *Kerio Control Administration* web interface (see below) and go through the activation wizard to activate the product (if you only want to test the product, you can skip the registration and activate a 30-days trial).
6. Login to the *Kerio Control Administration* web interface and configure the product as necessary.

## **4 Firewall administration**

The *Kerio Control Administration* web interface allows full remote administration of the firewall and viewing of status information and logs.

The web administration interface is available at:

`https://<IP address of the firewall>:4081/admin`

for example

`https://10.10.10.1:4081/admin`

Authenticate with username Admin and the password set within the product activation.

*Note:* IP address of the firewall is the IP address of its local interface (selected within the initial configuration — see section 3). Remote administration via the Internet must be enabled explicitly by the firewall's traffic rules.

## **5 The firewall's console**

On the console of the virtual computer where *Kerio Control VMware Virtual Appliance* is installed, information about the firewall remote administration options is displayed. Upon authenticating by the administration password (see above), this console allows to change some

basic settings of the firewall, restore default settings after installation and shut down or restart the computer.

The firewall's console allows:

- to change configuration of network interfaces (e.g. if network configuration changes or if an incorrect interface was chosen for the local network during the firewall installation).
- to change traffic policy of the firewall so that remote administration is not blocked (if connection to the administration fails).
- to shut down or restart the firewall.
- to recover default configuration.

This option restores the firewall settings as applied upon the first startup on *VMware*. All configuration parameters any other data will be removed and the initial configuration wizard is started again (see section [3](#)). Restoration of default configuration is useful especially if the firewall does not work correctly and you cannot easily fix the configuration.

## Appendix A

# Legal Notices

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