

Kaspersky Lab Quick Start Guide

**For Evaluation and Deployment of
Kaspersky Anti-Virus
Business Optimal Products**



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INTRODUCTION

INTERNET THREATS HAVE CHANGED

Today's Internet threats have evolved in both the volume and the complexity of attacks compared to just two years ago. The security industry and computer users are witnessing an unprecedented volume of viruses, Trojans, worms, spyware, rootkits, crimeware, identity theft, denial-of-service attacks, and more.

Taking flight over the Internet, threats spread to users and network servers in minutes. Add to this the exceptional growth of mobile networks and the ever-increasing portability of information between devices. No longer can businesses rely solely on a corporate gateway for protection. Threats that ride the coattails of every new and pervasive technology can now attack at any endpoint or node on the network.

By choosing Kaspersky Anti-Virus Business Optimal, your network will be protected by anti-virus technology which provides:

- The highest detection rates in the industry with the lowest rate of false positives (Sources: www.AV-comparitives.org; www.Computerbild.de).
- The fastest response time. Average turnaround from discovery to an available fix is typically less than 20 minutes (Source: AV-Test.org).
- Kaspersky provides a high frequency of updates while minimizing network traffic. Updates are typically less than 50 KB.

KASPERSKY ANTI-VIRUS BUSINESS OPTIMAL

The Kaspersky Quick Start Guide outlines the main steps of how a network security administrator would use Kaspersky Administration Kit 5.0 to quickly and efficiently install:

- Kaspersky Anti-Virus for Windows Workstations 5.0
- Kaspersky Anti-Virus for Window File Servers 5.0

Additionally, Kaspersky Administration Kit also manages the following applications:

- Kaspersky Anti-Virus for Microsoft Exchange Server 2003
- Kaspersky Security 5.5 for Microsoft Exchange Server 2003

KASPERSKY ADMINISTRATION KIT 5.0

Kaspersky Administration Kit 5.0 is designed for managing the anti-virus protection system within a corporate network. The application enables a network security administrator to do the following:

- Deploy Kaspersky Anti-Virus Business Optimal applications across the network.
- Remotely manage the anti-virus protection system from a single location.
- Receive notifications across the network about virus protection-related events.
- Accumulate statistics and reports from all installations.

Kaspersky Administration Kit 5.0 consists of the following components:

- The **Administration Server** lets administrators manage Kaspersky Anti-Virus Business Optimal applications installed across a network from a central location.
- The **Network Agent** is installed on all network nodes which are protected by either Kaspersky Anti-Virus for Windows Workstations 5.0 or Kaspersky Anti-Virus for Windows File Servers 5.0. This component coordinates the interaction between Kaspersky Anti-Virus Business Optimal applications running on client computers and the Administration Server. The Network Agent receives commands from the Administration Server and returns information about the anti-virus protection status of the client computers.

The **Administration Console** provides a user interface for the Administration Server and Network Agent administration services. This component snaps into the Microsoft Management Console (MMC).

SYSTEMS REQUIREMENTS

Operating System Requirements

- Microsoft Windows NT Server / Workstation 4.0 SP 6a or above
- Microsoft Windows 2000 Server SP1 or above
- Microsoft Windows XP Professional SP1 and above
- Microsoft Windows Server 2003

Database Server Requirements

- Microsoft SQL Server Desktop Engine (MSDE) 2000 SP 3, for Kaspersky Administration Kit 5.0, available for download at:
<http://www.kaspersky.com/productupdates?chapter=146274756&downlink=154337941>
- Microsoft SQL Server 2000 SP 3 or above
- Microsoft SQL Server 2005 Express Edition (available free at Microsoft.com)
- Microsoft SQL Server 2005

Hardware Requirements

- Intel Pentium III 800 MHz or higher
- Minimum: 128 MB RAM
- Minimum: 400 MB HDD space available

INSTALLING KASPERSKY ADMINISTRATION KIT

1. Confirm that one of the database server applications (listed above in Database Server Requirements) is installed and running on the machine on which you are installing Kaspersky Administration Kit or another machine connected on the network.
 - a. If there is no database currently installed, please install one.
 - b. MSDE 2000 SP3 (download link above) and Microsoft SQL Server 2005 Express Edition (Microsoft.com) are free to download. Please install either using the default settings.

2. Start the Kaspersky Administration Kit installation wizard: kasp5.0.xxxx_adminkiten.exe. Installation files will extract to C:\kav\AdministrationKit\english by default. Click **Next**.
3. Review the License Agreement and choose the location of installation. Click **Yes**.
4. On the Select Features page, please confirm that Kaspersky Administration Server is checked. Click **Next**.
5. On the Administrator Server Properties page, set a server account using either a Domain Administrator or a Local System Administrator account. This account becomes the default account and requires administrative privileges over all clients to be administered. The default account is also added to a group called KLAAdmins. Click **Next**.
6. On the SQL Server Parameters page, select the location of the SQL Server. If there is a local SQL Server, it will be selected by default. Click **Next**.
7. If needed, select SQL Authentication Mode. The Microsoft Windows Authentication Mode is recommended. Click **Next**.
8. Select the shared folder location where installation packages and updates are stored. Click **Next**.
9. Select the server ports. By default, 13000 is selected for SSL connections and 14000 for regular connections. Click **Next**.
10. For a new installation, create a new Administration Server certificate, which is used to connect to the Administration Server. Click **Next**.
11. Specify a backup folder and password for the Administration Server certificate. Click **Next**.
12. The Setup Wizard displays the Administration Server parameters. Review the parameters and click **Next**.
13. Click **Finish** to complete installation.

KASPERSKY PRE-DEPLOYMENT RECOMMENDATIONS

Before starting the Kaspersky Administration Kit for the first time, please see the deployment checklist below:

Checking Administrative Privileges and Network Connectivity

1. Please test connectivity and the necessary administrative rights from the Kaspersky Administration Server to the target client computers. Try to access the administrative share folder (admin\$) on the client.
 - a. Log into the server computer using the Default Account (entered during Kaspersky Administration Kit installation).
 - b. Start > Run.
 - c. Type the following [\\computername\admin\\$](#) , where "Computer Name" is the target computer's IP addresses or NetBIOS name.
 - d. Click **OK**. If successful, the admin\$ folder of the target computer will appear. If there is an error, please check the privileges of the Default Account. The Default

Account is a member of groups Domain Administrators (or local Administrators group on the target computers) AND KLadmins.

2. Confirm that **File and Print Sharing** (Local Area Connection Properties) is enabled on the clients.
3. Confirm that **Simple File Sharing** (Windows Folder Options) is disabled on the clients.
4. Open ports **TCP 13000 and 14000 and UDP 15000** and on Windows Firewalls (on XP computers) and any firewall routers.

Extracting Installation Files

1. Obtain the most current installation files for Kaspersky Anti-Virus Business Optimal Products. The installation files can be downloaded from:
 - o Kaspersky Anti-Virus for Windows Workstations 5.0
<http://www.kaspersky.com/productupdates?chapter=146274385>
 - o Kaspersky Anti-Virus for Windows File Servers 5.0
<http://www.kaspersky.com/productupdates?chapter=146274391>
2. On the Administration Server, run the installation file for both Kaspersky Anti-Virus applications. The installation files will be extracted to the c:\KAV directory by default. Cancel the installation when either of the following occur:
 - o The Setup Wizard starts, or
 - o The Setup Wizard produces an error due to incorrect operating system (e.g., extracting Kaspersky Anti-Virus for Windows File Servers 5.0, on a Windows XP computer).

For more information on Kaspersky Administration Kit:

Product Information:

<http://www.kaspersky.com/businessoptimal?chapter=154323530>

Kaspersky Administrator's Guide:

<http://www.kaspersky.com/productupdates?chapter=146274756&downlink=178165683>

USING THE QUICK START WIZARD

Deploying Kaspersky Anti-Virus is easy to accomplish. Upon opening Kaspersky Administration Kit for the first time, the Quick Start Wizard will run automatically.

1. Start Kaspersky Administration Kit. On the first connection to the Administration Server, a Quick Start Wizard prompt will appear. Select **Run Quick Start Wizard** to create a network structure within the Administration Kit. Click **Next**.
2. The Network Scanning page will appear. During this time, the Administration Server is scanning the logical network. Once finished, the message **Original network scanning by the Administration Sever** complete appears. The window contains the following links:
 - o View Network Scanning Results which opens the Network viewing window that displays computers, domains, and workgroups detected on the network.

- View application introduction which opens a help topic window that contains introductory information about Kaspersky Administration Kit.

Click **Next**.

3. To create a logical network tree, please select one of the following:
 - **I want to create a logical network tree based on the Windows domain structure.** This option associates every domain or workgroup in the Windows domain with groups within the Administration Kit.
 - **I want to create a logical network tree manually.** This option allows the logical network tree to be created by the network security administrator.
 - **I want to import a logical network tree from the previous version of Kaspersky Administration Kit.** This option is used to browse to and select a .dat file containing the logical network structure created in an earlier version of Kaspersky Administration Kit.

Select an option and click **Next**.

4. On the Global Notifications Settings page, specify the default notification settings for administration notification:
 - **Account** is the address where the product will e-mail its notifications. Specify multiple addresses delimited by commas or semicolons.
 - **SMTP server address** is the address of the server to be used for delivery of e-mail notifications.
 - **SMTP server port** is the one on which the specified SMTP server receives the connection. SMTP servers usually receive connections on port 25 by default.
 - **Default net send notification computers** are the IP addresses or NetBIOS name of the computers where NET SEND notifications will be directed. Specify multiple addresses delimited by commas or semicolons.
 - The **Message Text** to change the text of the notification message. The default is:

Event %EVENT% happened on computer %COMPUTER% in the domain %DOMAIN% at %RISE_TIME% %DESCR%

Where:

%EVENT% is the event type.

%COMPUTER% is the name of the computer.

%DOMAIN% refers to which domain the computer belongs.

%RISE_TIME% is the time when the event occurred.

%DESCR% is the event description.

Click **Next**.

5. The Quick Start automatically creates the following object necessary for management of anti-virus protection:
- **Policy for Kaspersky Anti-Virus for Windows Workstations.** The policy is created with recommended settings, but is not enforced. Learn more about using policies in Kaspersky Administration Kit 5.0:
 - Workstation Policy
<http://www.kaspersky.com/faq?chapter=170710442&qid=172085696>
 - File Server Policy
<http://www.kaspersky.com/faq?chapter=170710442&qid=172261944>
 - **Full Scan for viruses** and other malware top-level group task. The task completely scans the computer using the Recommended protection level. The task starts every Thursday at 7:00 PM. Skipped tasks start whenever possible.
 - **Update anti-virus database and application modules** top-level group task for Kaspersky Anti-Virus for Windows Workstations. The task downloads updates to anti-virus databases and critical updates to application modules. By default, the source of updates is the Kaspersky Administration Server; the task starts at 6:00 PM with a random delay of 60 minutes and runs every hour after its creation.
 - **Download Updates server task.** The task downloads updates for the products installed on the logical network clients only. By default, the source of updates is the Kaspersky Lab Updating Service and runs every hour after its creation.
 - Administration Server data backup task.

Click **Next**.

6. At the end of the Quick Start Wizard, a check box is enabled by default to start the Deployment Wizard for the Kaspersky Network Agent. Since Deployment tasks will be created in the following sections, please **uncheck** this option and click **Finish**.

Please note: The Quick Start Wizard can be rerun from the right-click menu on the top-level Administration Server in the Kaspersky Administration Kit.

REMOTE DEPLOYMENT OF KASPERSKY ANTI-VIRUS APPLICATIONS

Remote deployment of Kaspersky Anti-Virus requires the following:

- Creating Remote Installation Packages
- Creating Application Deployment Tasks
- Running Application Deployment Tasks
 - Deploy Kaspersky Network Agent to clients
 - Deploy Kaspersky Anti-Virus to clients

Creating Remote Installation Packages

Note: A Remote Installation Package is needed for each Kaspersky Anti-Virus Business Optimal Product.

1. Open Kaspersky Administration Kit.
2. Click on the top-level **Administration Server** to connect to it.
3. Click **+** next to Administration Server expand the Administration Server tree.
4. Click **Remote Install**. A Kaspersky Network Agent ver. 5.0.xxxx package created during installation of Kaspersky Administration Kit will appear in the package list in the right pane.
5. In the right pane, click **Add an installation package** to start the New Remote Package Wizard. Click **Next**.
6. Name the new installation package. A descriptive name such as KAV for Windows Workstations 5.0.xxx is recommended.
7. In the Select an application page, select **Make Kaspersky Lab's application package** and click **Browse**. Navigate to find the corresponding .kpd file, by default:
 - For Kaspersky Anti-Virus for Windows Workstations 5.0, browse to C:\KAV\WinWorkstation\English\workstations.kpd
 - For Kaspersky Anti-Virus for Windows File Servers 5.0, browse to C:\KAV\WinFileServers\English\fileserver.kpd

Click **Open**. The application name and version will populate the empty fields of the Select an application page. Click **Next**.

8. In the Select license page, click **Browse** and select the appropriate license key file of the form 00xxxxxx.key. Click **Open**. License information including Application, Expiration Date, and License Count are displayed. Click **Next**.
9. Click **Next** and **Finish** to complete the New Package Wizard.

Creating Application Deployment Tasks

Note: A Deployment Task is needed for each Kaspersky Anti-Virus Business Optimal Product.

1. In the Remote Install package list, right-click the package to be deployed. Click **Install** to start the Deployment Wizard. Click **Next**.
2. By default, the Deployment task name will prepend the Remote Installation task name with "Deploy." Click **Next**.
3. The Installation type page features two methods of remote installation:
 - **Use push install** loads the installation package to a remote computer by the Administration Server either using RPC (on Microsoft Windows NT-based computers) or using Kaspersky Network Agent transport, if the latter is already installed. Use this option for target computers running Windows NT, 2000, XP, and 2003 or computers with Kaspersky Network Agent already installed.
 - **Use login script-based install** allows the remote computer to initiate download of the installation package while executing its login script. Use this option for computers running Windows 98 and ME that do not have Network Agent or other remote management software.

Push install is recommended when available. Select an option and click **Next**.

4. Accept the defaults on the Settings page. These settings can be edited in **Task Properties** at a later time.
5. If Push install is selected, the additional settings page will appear. Leave **Install Kaspersky Network Agent** package unchecked.
6. On the Select target computers page, there are two options:
 - I want to select computers using Windows Networking. Identify target computers by Groups or individual computers.
 - I want to define IP addresses for the computers. Identify target computers by IP addresses or NetBIOS names.

Select an option and click **Next**. Select target computers and click **Next**.

7. On the Account page, select the Default account created during installation. Click **Next**.
8. On the Task scheduling settings page, tasks can be set to run Manually or at a scheduled time and frequency. Select **Manually** and click **Next**.
9. Click **Next** and **Finish** to complete the wizard. Deployment tasks are created in the global Tasks container located between Events and Licenses in the network console tree of the Kaspersky Administration Kit.

Deploying the Kaspersky Network Agent

1. In the global Tasks container, **double-click** the Network Agent deployment task (e.g. Deploy Kaspersky Network Agent ver. 5.0.xxxx package) to open the task's properties.
2. Check the Target Computers tab to verify the correct target computers for the task.
3. Click the General tab and click **Start** to begin the Deployment task. On the General tab, a task status monitor reports the number of Pending, Scheduled, Paused, Running, Completed and Failed deployments.
4. For a detailed status of the Deployment task, click the **History** button in the General tab.

Deploying Kaspersky Anti-Virus 5.0

1. In the global Tasks container, **double-click** the Kaspersky Anti-Virus 5.0 deployment task (e.g. Deploy Kaspersky Anti-Virus 5.0.xxx package) to open the task's properties. NOTE: Two separate tasks are required for Kaspersky Anti-Virus 5.0 for Windows Workstations and for Kaspersky Anti-Virus 5.0 for Windows File Servers.
2. Check the Target Computers tab to verify the correct target computers for the task.
3. Click the General tab and click **Start** to begin the Deployment task. On the General tab, a task status monitor reports the number of Pending, Scheduled, Paused, Running, Completed and Failed deployments.
4. For a detailed status of the Deployment task, click the **History** button in the General tab.

KASPERSKY TECHNICAL SUPPORT

CONTACT INFORMATION

Toll Free: 866-328-5700

Main Phone: 781-503-1800

FAX: 781-503-1818

E-mail: support@us.kaspersky.com

On-line FAQ: www.kaspersky.com/faq

Product Forum: <http://forum.kaspersky.com/>

Documentation: www.kaspersky.com/docs

Products Downloads and Updates: www.kaspersky.com/productupdates

Product Trials: www.kaspersky.com/trials

News: www.kaspersky.com/subscribe

Information to Include When Contacting Technical Support

Please include the following information when contacting Kaspersky Technical Support:

- Kaspersky product version
- Access to the product license key file
- Computer operating system
- A description of any issues or error received
- A Kaspersky SysInfo text file
 1. Download and run the Kaspersky GetSystemInfo utility on the computer(s) experiencing the issue:
<ftp://ftp.kaspersky.com/utills/getsysteminfo/GetSystemInfo.exe>
 2. GetSystemInfo will produce a text file called **sysinfo.txt** which is a snapshot of the programs on your computer.
 3. Please send this text file when contacting Kaspersky Technical Support.