avast!®

avast! 4 Server Edition is the most powerful protection available to fight virus infections on your server or servers. It provides both standard protection of a file server, and also via its optional plug-ins, protection of various sub-systems running on the server, e.g. electronic mail, firewall/proxy etc. Currently, the following plugins are available:

- **MS Exchange Server 2000/2003**
- **MS Proxy/ISA Server**
- **SMTP Server**
- **MS Sharepoint Server**
- **MS Lotus Domino Server**

Antivirus Kernel

The latest version of avast! antivirus kernel features outstanding detection abilities, together with high performance. You can expect 100% detection of In-the-Wild viruses and Trojan horses.

The kernel is certified by ICSA; it frequently takes part in the tests of Virus Bulletin magazine, often yielding the prestigious VB100 award.

Direct Cluster and Terminal Services support

avast! 4 Server Edition even supports large cluster and terminal servers. It contains direct support for cluster setup, including a special wizard that makes the installation very easy.

To set up avast! in a terminal environment, you can use another wizard that guides you through the reconfiguration of avast! 4 Server Edition to work in terminal mode. When reconfigured in this way, avast! 4 Server Edition looks (and behaves) to the terminal users in the same way as the desktop versions of avast! for workstations.

Support for the terminals is not limited to the Microsoft terminal services; it is also fully functional with a Citrix MetaFrame system as well.

Integration with the Operating System

avast! 4 Server Edition has been fully tested with all editions of Windows Servers (starting with NT 4.0 and up to Windows Server 2008, including Windows Storage Server 2003 and Windows Datacenter Server 2008). It is fully optimized to take advantage of multiple CPUs and has been stress-tested even on machines with a large number of processors to verify the exceptional robustness and scalability of its technology. Special care has been taken to ensure 100% compatibility with advanced server components such as VSS (volume shadow copy) and FRS (file replication services), guaranteeing that your server will run flawlessly. Windows 2008 Server Core is not supported.

64-bit Support

avast! 4 Server Edition works perfectly even on IA-64 and AMD-64 based machines. It is one of the very few AV solutions on the market that covers this fast-emerging platform that is likely to gain more and more importance in the upcoming years.

Resident Protection

Resident protection, which is the real-time protection of the computer, is one of the most important parts of an antivirus program today. avast! features a powerful resident module that is able to detect the virus before it has any chance to infect your computer.

The file system protection ensures that no virus will be executed on startup, and no virus will even be uploaded. The default settings of the resident protection are adapted to the server environment. It is possible to adjust the settings to your specific requirements so you can specify that copied files should be scanned, or just files with a given set of extensions, etc.

An important new feature is the "semi-silent" mode of operation. The purpose is to correctly display virus warnings on a server system: if a request to load an infected file comes from a network, action is taken automatically and nothing is displayed. On the other hand, when the request comes from a local or terminal session, the usual interactive mode is used - as in the desktop versions of avast! antivirus.

The resident module is highly optimized for speed and performs even under a heavy load. It fully utilizes the possibilities of today's powerful servers, such as multiple CPUs (the scanning can be run in parallel).

Developed especially for use on Terminal Servers, avast! 4 Server Edition contains additional resident modules for e-mail protection (Outlook/Exchange, Internet Mail) and browser protection (Script Blocker).

User Interface

Even though the Server Edition contains both of the avast! user interfaces - simple and enhanced - in server usage, the enhanced user interface will normally be employed (except for the terminal server). The enhanced user interface gives you access to all the settings of avast!, thus making it possible to fully configure it for extensive scanning.

The main feature is the so-called "task" based scanning. This enables particular scanning tasks to be defined – basically a set of scan criteria - which can then be run as often as required. Every task generates results which you can work with afterwards. The resident protection is a special type of task.

Another feature, closely connected with tasks, is the Scheduler. This makes it possible to schedule the start of a particular task, whether it is to be run as a one-off or periodically.

Notification Manager

To make work easier, avast! 4 Server Edition contains a special notification manager. Here, you can define notification objects and associate them with antivirus tasks (both "resident" and "on-demand"). These notification objects are then used when a virus is found.

The new version supports a number of notification objects, such as sending e-mail messages using SMTP or MAPI (Outlook). Also supported are; SMS, notification using the Windows popup mechanism (network message), printing the message on a network printer, SNMP traps, and sending IM messages using MSN/Windows Messenger.

Automatic Updates

Automatic updates are another key part of virus protection, both the virus database and the program itself can be updated automatically. The updates are incremental, and only new data is downloaded, thus reducing the transfer time. The typical size of a virus database update is approximately of 20-80kb, the program update usually has approximately 200-500kb.

If your Internet connection is persistent, the updates are performed completely automatically in fixed time intervals. If you connect to the Internet only occasionally, avast! watches your connection and tries to perform the update when you are online.

Push Updates

A special feature of the Server Edition is PUSH updates. It is a dramatic change in the philosophy of updates, usually every installed program checks periodically, and when a new version is available, downloads it. PUSH updates however are initialized by our servers; they result in your computer quickly responding and performing the necessary update. The system is based on the SMTP protocol. The updates themselves are controlled by the avast! resident e-mail providers (MS Outlook and Internet Mail).

The whole system is protected by asymmetric ciphers and is resistant to unauthorized use.

Virus Chest

The Virus Chest can be thought of as a Quarantine area on your disk having special properties that make it a safe isolated place suitable for storing certain files. You can work with the files in the Chest with security restrictions.

The main benefit of the Virus Chest is that it is completely isolated from the rest of the operating system.

Boot-time Scan

A special avast! feature is the boot-time scan. This is important if you suspect that there might be an active virus on the computer. The boot-time scan is performed during the start of the operating system, before the virus can get loaded/activated - thus preventing the virus from spreading or taking action to avoid being detected.

Command-line Scanner

Experienced users may particularly like this feature. The scanning can be controlled by many arguments and switches; it can be used as a pipe filter, in addition a special STDIN/STDOUT mode is available.

The module is intended to be used in BATCH programs. Its output is the same as the output from the Enhanced User Interface tasks (including the report files).

Main Features

ANTIVIRUS KERNEL

- Almost 100% detection
- Outstanding performance
- Reasonable memory requirements
- ICSA certified

USER INTERFACE

- Memory test during the program startup
- Very intuitive Simple User Interface
- Enhanced User Interface (MS Outlook style)
- Testing whole disks or selected folders
- Defining and running of antivirus tests
- Working with the scan results - actions on infected fi les
- Storing the scan results (history)
- Virus encyclopedia
- Log Viewer
- Various appearances - skin support
- Running from Explorer context menu
- Antivirus screen-saver
- Boot-time scan
- Command-line scanner

UPDATES

- The system of incremental updates guarantees low traffic
- The updates can be completely automatic
- Standard updates 2 times a week
- PUSH updates immediately when published

RESIDENT PROTECTION

- Standard Shield protects the file system
- Speed optimized
- Parallelized on multi-CPU machines
- Support for terminal services

For terminal environment:

- Generic SMTP/POP3/IMAP4 scanner
- Special MS Outlook plugin
- Heuristic analysis in e-mail modules
- Script blocker
- REPAIRING
- Limited capability of direct repair (especially macro-viruses)
- Repairing files using automatically generated Virus Recovery Database (VRDB)

OTHER

- Wizard for server setup
- Wizard for cluster setup
- Server plug-ins (optional)
- Task Scheduler
- News delivery system: iNews
- 4 pre-defined tasks for typical scanning
- Detailed settings of all scan parameters
- Report files
- Uniform alerts using the Notification Manager

Minimum System Requirements

FOR A COMPUTER WITH WINDOWS NT 4 SP4+

- PC Pentium
- 64 MB RAM
- 50 MB of free hard disk space
- A functional MS Internet Explorer 4 or higher is required for the program to work

FOR A COMPUTER WITH WINDOWS 2000/XP/2003

- PC Pentium
- 128 MB RAM
- 50 MB of free hard disk space

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