

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

- **MS Exchange Server 2000/2003**
- **MS Proxy/ISA Server**
- **SMTP Server**
- **MS Sharepoint Server (Portal Server 2001/2003 and Windows Sharepoint Services 2003)**

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 is ready to work and even supports large cluster and terminal servers. It contains direct support for cluster setup, including a special wizard that makes the installation on cluster easier.

To set up avast! in a terminal environment, you can use another wizard that guides you through the reconfiguration of the avast! system to work in the terminal mode. Such a reconfigured avast! system looks (and behaves) to the terminal users as the standard avast! would for workstations.

The support for the terminals is not limited to the terminal services by Microsoft; it is 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 2003, including Windows Storage Server 2003 and Windows Datacenter Server 2003). 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 exceptional robustness and scalability of its technology. Special care has been taken to ensure 100% compatibility with advanced server components such as the VSS (volume shadow copy) and FRS (file replication services), guaranteeing that your server will run flawlessly.

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 accommodated to the server environment which it provides thorough scanning. It is possible to adjust the settings to your requirements so you can specify to scan the copied files, 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. It works as follows: if a request to load an infected file comes from a network, an automatic action is taken 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 desktop antivirus.

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

Developed especially to use on Terminal Server, 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 the user environments of avast! - simple and enhanced - in server usage, usually the enhanced user interface will 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 principle is called "antivirus task" based scanning. First, you define the tasks used to scan for viruses, including the common parameters. Then, you run these tasks (usually periodically). Every task generates some results which you can work with afterwards. Resident protection is also a special type of task.

Another feature, closely connected with tasks, is the Scheduler. It makes it possible to schedule the start of a particular task, both one-off and periodically.

Notification Manager

To make work easier, Server Edition contains a special notification manager. Here, you can define notification objects and associate them with antivirus tasks (both "resident" and "on-demand"). Those notification objects are then used in the case 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 point in 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 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 properties of the Virus Chest are to offer complete isolation from the rest of the operating system.

Boot-time Scan

A special avast! feature is the boot-time scan. It is important in the case that 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 actions to avoid being detected.

Command-line Scanner

Experienced users may like another Server Edition feature which is the command-line scanner. 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 files
- 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 macroviruses)
- 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 default preset tasks for typical scanning
- Detailed settings of all scan parameters
- Report files
- Uniform alerts using 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