avast! ®

avast! Bootable Antivirus & Recovery Tools CD (BART CD) is a breakthrough in the field of administration tools! In short, it is a bootable CD, giving you the capability to detect/clean virus infections on a computer. All this can be done fast and reliably, without the risk of spreading the infection any further. But BART CD can do much more. It also contains tools for editing the registry files (i.e. the files holding Windows Registry for the operating system) and a tool to check and fix disk errors.

The most advantageous feature is that it works on **all Windows-supported file systems**, including **NTFS**. In addition, less common storage devices such as SCSI/RAID, are also supported. In general BART will work on all disk devices that Windows XP will work on. Non-standard devices (e.g. in servers) can be handled by standard Windows XP drivers supplied by the hardware vendor.

BART CD also supports networking. After network support is started, NETBIOS and TCP/IP protocols will be available. It is also possible to map network drives. Just enter the path to the drive (in standard UNC format \\server\share) and select the letter to map the drive to. After the drive is successfully mapped, you can work with the network drive just as with any other (local) drive - e.g. scan it with avast!.

BART CD is a tool no administrator - or anybody who deals with recovery of data on hard drives - should be without. The license model is specified as a multi node license, meaning when you buy one BART CD, you can administrate multiple computers, provided it only runs on one computer at any time, and it is done by a single person.

avast! Antivirus

The main, and most important component of BART CD, is a special version of avast! 4 antivirus. It is built on exactly the same kernel as other avast! 4 Editions, which ensures excellent detection capabilities combined with high performance. It detects 100% of In-the-wild viruses/worms (the type most commonly enountered), it also features advanced Trojan horse detection. The kernel of avast! antivirus has been certified by ICSA Labs and avast! also takes part in the Virus Bulletin test, having received the VB100 award many times.

The user interface of BART avast! antivirus has been especially designed with a wizard as part of the interface to guide you through all the settings. The settings allow you to turn on and control the scanning of archives (compressed files), and much more.

Sometimes it may be undesirable to write anything to the hard disk. (For instance, because it would overwrite deleted files that you would like to restore). BART is aware of such actions, and for this reason, an operation requiring a disk storage (e.g. unpacking the archives to a temporary folder) it is possible for you to specify where to store the files.

avast! antivirus, included on the BART CD, is also able to repair virus infections, and is done in a sophisticated way: If avast! detects a virus it is able to repair, the control is given to a special module that performs the first phase of the repair process. The user is then asked to start the operating system from the hard disk, and it is from here that the second phase of the repair process is performed. The virus objects, together with all the references (such as registry associations), are removed. For security reasons, it is recommended to perform the third phase afterwards – another test from BART CD.

A very important point is of course updates (especially of the virus database). The BART system works in the following way for this. The Builder aspect works on your Windows operating system (any version) and then downloads the most recent versions of BART CD components – (Internet connection is required). The builder then creates an ISO image which the user has to burn on a CD, using his CD recorder (ISO images are standard input files in most of the CD burning software today). Since the virus database updates are rather frequent, it is recommended to use a CD-RW medium.

In emergency cases, it is possible to use the updated virus database directly from BART CD - by loading it e.g. from a diskette.

All the programs on the BART CD work with UNICODE characters, so they are fully functional even in an environment where the standard code pages are not enough (Japanese, Chinese, Korean, Arabic, and also some European languages).

Registry Cleaner

The Registry Cleaner will help you find and fix problems and inefficiencies in on-disk Windows NT/2000/XP/2003 registry hives. It also provides ways to recover the registry from virus attacks. The program is very configurable and allows running of different registry cleaning tasks.

avast! Disk Checker

Disk Checker is a powerful tool for searching and repairing disk errors. It is quite similar to the ScanDisk tool or chkdsk.exe, supplied with the Windows operating systems.

You can select either standard or thorough test. The thorough test additionally performs the sector check which is capable of finding bad sectors on your disk and mark them as such.

The program works both with the hard disks (including SCSI, even RAID) and removable media.

Data Shredder

The Data Shredder allows you to erase files in such a way that it is impossible to recover them by software or hardware means. When you delete a file using standard tools, only a reference to its data is removed from system allocation tables and the file's clusters are marked as unused, but no actual erasing is performed until another file overwrites the area on the disk where the original file resided. There are utilities capable of tracing and restoring deleted files, therefore you should never delete files containing sensitive information in the regular way.

avast! Registry Editor

An excellent additional tool is Registry Editor, which gives you unlimited access to the Windows Registry files located on your hard disk (Windows NT/2000/XP/2003 only). The data in the registry can be both read and modified. Sometimes, this tool can be a life saver! - Many administrators can almost certainly remember a day when changing a single value in registry would have saved them hours of work, if they had just had the right tool to do it.

The program makes registry editing as easy as possible. It quickly scans all your local hard disks and tries to locate installed operating systems, together with their registry files. The operating systems found are presented by their name and root folder, thus avoiding the necessity to know the exact location of the registry files (usually OS-specific). Of course, it is also possible to map a specific registry file by entering its full path.

From the moment the registry is loaded, the program is (visually) similar to the standard Windows registry editor. Its user interface is intuitive and easy. The editor makes it even possible to load the data directly from a file.

Command-line Interpreter

Even though the tools described previously are very powerful, sometimes it is necessary to dive deeply into the operating system itself. For such a case, BART CD contains a command-line interpreter, compatible with the standard command.com and cmd.exe.

Often it is enough to delete a single file (e.g. a broken driver) to solve your problem; however, BART command-line offers you much more! It has the full support of batch files; it also fully supports the XCOPY command, including all its parameters (as in Windows XP).

Another important feature is the possibility to run your own programs. Most Windows programs are able to start in BART! Hence, you can use your favorite recovery tool to restore deleted files or formatted partitions directly from BART CD.

Junk File Remover

The Junk File Remover utility will help you find and delete unnecessary files that waste space on your hard drives. It can also empty system caches, such as Temporary Internet Files and IE history. It features very fast scanning and reliable fixing of any problems found.

Simple Text Editor

To make the work with BART more comfortable, a simple viewer/editor of text file (Notepad-style) has been included.

The tool can be useful e.g. to view the report-files generated by avast! antivirus, or to view/edit the user's log files.

The program supports both ANSI and UNICODE character set.

BART CD Shell

All available programs are presented by a simple shell (**figure 1**) that makes it possible to start the program easily. In addition, it displays current state of the applications, license information, etc.

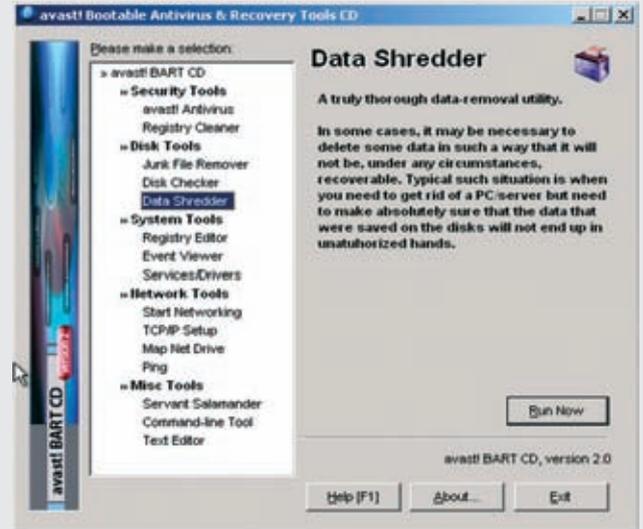By exiting the shell, you end your work with BART CD and the computer is restarted.

figure 1

Main Features

ANTIVIRUS - VIRUS SCANNER

- Almost 100% virus detection
- High performance
- ICSA certified, multiple VB100 awards
- Support for many archive formats
- Wizard-like interface
- Full support for UNICODE filenames

ANTIVIRUS - HEALING

- Direct healing of macroviruses in documents
- Removing of the most common infections, including the registry entries etc. - booting the host OS required

UPDATES

- Incremental updates guarantee low data transfer
- Updates are handled by a Windows application installed on user's computer. The output of the builder is an ISO image to be burned on CD
- Standard update of the virus database - twice a week
- Possibility to use the updated database even from the running BART CD - e.g. by loading the database from a floppy

LICENSES

- Administrator - inhouse computer administration
- Serviceman - to administer computers outside of the organization

REGISTRY EDITOR

- Full read/write access to the registry (Windows NT/2000/XP/2003)
- Automatic scanning for installed OS
- Possibility to load specific registry file
- User interface compatible with Windows Registry Editor

DISK CHECKER

- Disk scanning, optional fixing the errors
- Works with HDD and removable media
- Surface scan

COMMAND LINE

- Interface fully compatible with cmd.exe
- Batch files support
- Possibility to start external Windows applications

OTHER

- Work on bootable CD
- BARD CD shell for easy control
- Text viewer/editor
- Full UNICODE support
- Full graphics user interface, mouse support (including USB)
- Built using Microsoft Windows technology

Minimum System Requirements

- PC Pentium	- 64 MB RAM

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