

제품 소개

# avast!

## Antivirus Engine for OEMs

(OEM용 avast! 엔진 소개)



avast!antivirus  
ENGINE

**SoftMail**

(주)소프트메일

## avast! Antivirus Engine for OEMs

For the third-party developers, we offer licenses of the avast! antivirus engine (kernel); it can be integrated into various products.

The typical candidates for using our antivirus kernel are developers of:

- Complex security solutions
- Mail servers
- Mail routers/gateways
- HTTP/FTP routers/gateways
- Backup software



Of course, any other integrations are possible as well.

### Scanning kernel

New version of avast! antivirus kernel features excellent detection capabilities, combined with high performance (data throughput). You can expect 100% detection of ITW viruses/worms (In-The-Wild, i.e. the really spreading ones) and a very good detection of Trojan horses, all that with a minimum number of false alarms.

The kernel was certified by ICSA; it frequently takes part in the tests of Virus Bulletin magazine, yielding the VB100% award multiple times.



### Scanning of archives

During the kernel development, an extensive support for archives (compressed files) has been implemented. The kernel supports selected EXE-packers, TAR, GZIP, BZIP2, ZOO, ZIP, RAR, ARJ, ARC, ACE and all MIME forms, all that including SFX versions. Additionally, Windows version supports CAB and NTFS streams. All archives are scanned recursively, i.e. even files inside of nested archives are tested.

## Using in mail servers

As we already mentioned in the previous paragraph, avast! kernel features a full support for "MIME archives", i.e. it is able to scan the content of structured messages, used especially in electronic mail. Big attention has been given to the MIME module, since (even though the MIME format specification is quite strict) there are many (commercially successful) e-mail clients that would interpret even an invalid MIME file; unfortunately, such a "feature" is often misused by viruses that are able (by using a few tiny "damages" to the MIME message) to pass through antivirus check at the gateway and arrive at the client computer.

avast! MIME module has been heavily tested and it was found capable of detecting viruses even in this kind of messages.

## Updates

An important point is efficient automatic updates, both of the virus database and of the program itself. All the avast! updates are *incremental*, i.e. only the new data are downloaded, thus reducing the amount of transferred data significantly. The typical size of virus database update are tens of KB, program updates usually have hundreds of KB. This way it is possible to perform the updates more often, and so more efficient than in other similar products.

However, there is another possibility: "PUSH" updates. It is a dramatic change in the philosophy of updates. Usually, every installed program checks every now and then whether a new version is available. PUSH updates, however, are initialized by our server; they result in the target computer (the one with avast! engine installed) quickly responding and performing the necessary update. The system is based on the SMTP protocol, i.e. on usual e-mail messages. The host program has to provide the necessary support for such messages; however, it can use avast! library functions that make it rather easy.

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

## Supported platforms

avast! engine is available both for Microsoft Windows environment (Windows 95/98/ME/NT/2000/XP/2003), and for Linux environment (i386 only, for kernels 2.2 and higher). The detection capabilities are identical on both platforms.

## Users of avast! Antivirus Technology

This is the list of current users of the avast! antivirus scanning technology. Other products are under development.

### TN North Software - Interner Anywhere eMailServer

avast! is integrated into [Interner Anywhere eMailServer](#).



### IceWarp Software - Merak Email Server

Merak Email Server Integrated Antivirus solution is based on the advanced avast! Antivirus Engine. More information [here](#).



### SmartMax Software, Inc. - MailMax Server

MailMax is an award-winning, high performance email server for Windows 2000/2003/XP/NT4 which supports SMTP/ IMAP4/ POP3 protocols. MailMax's integrated anti-virus solution is capable of disinfecting and removing infections by viruses, worms and Trojan horses - including boot sector viruses, macro viruses, script viruses and executable viruses and worms. More information [here](#).



### Paul Smith Computer Services - VPOP3 Email Server

Starting with VPOP3 V2, VPOP3 has integrated support to work with the avast! antivirus engine on all versions of Windows. The avast! antivirus engine is a high performance, high value anti-virus engine which VPOP3 talks to directly to scan all incoming



and outgoing messages for viruses. The avast! antivirus engine is regularly updated with new virus definitions and VPOP3 can keep the local copy up to date automatically if it has an Internet connection. More information [here](#).

### **NetWin Software - SurgeMail Email Server**

For Windows we recommend "avast! for SurgeMail" based on ALWIL Software antivirus technology which is fully integrated. More information [here](#).



### **Hexamail Ltd. - Hexamail Guard - Antivirus option**

The antivirus module automatically scans all incoming email attachments for virus, worms and trojans. If identified, the email can be marked so that the end user is aware of the infected content, blocked completely so that the end user cannot inadvertently execute a virus or a script, or the infected attachment can be removed and a comment added to the email to inform the user of the action taken. All processed emails can be optionally stored in a quarantine for later review, resend or deletion. More information [here](#).



### **Bains Digital - Defender MX**

DefenderMX is a very advanced AntiSpam Filtering solution. Coupled with an AntiVirus engine that misses nothing [avast], you have a total Email Protection package. With its simple browser interface, and our Server-Start Live Support, you will be up and running in no time at all. More information [here](#).



# avast!

## Antivirus Engine for OEMs

(OEM용 avast! 엔진 소개)

**SoftMail**

(주)소프트메일

연락처: (주)소프트메일

홈페이지: <http://www.softmail.co.kr>

전화: 02-598-9220

팩스: 02-3486-9331

주소: 서울 서초구 서초동 1330-6 롯데골드로즈 1218