



we protect digital worlds

NOD 32

antivirus system

**ESET NOD32 Antivirus
for IBM Lotus Domino**

Installation

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1. Introduction

ESET NOD32 Antivirus for Lotus Domino (AMFE) is a Lotus Domino server addin, built upon the state-of-the-art NOD32 scanning engine. It was designed to protect e-mail communication from virus infiltrations propagating by e-mail, and to lower the e-mail traffic by filtering out undesired e-mail attachments.

ESET NOD32 Antivirus for Lotus Domino utilizes the same engine as NOD32 2.7, including archive scanning, advanced heuristics, adware/spyware/riskware detection, etc.

2. Quick Installation

System requirements

- Windows NT 4.0 / 2000 / 2003 server
- NOD32 for Windows (v. 2.51.20 and higher)
- IBM Lotus Domino R5 (v. 5.0.9a and higher)
- IBM Lotus Domino R6
- IBM Lotus Domino R6.5
- IBM Lotus Domino R7
- IBM Lotus Domino R8

Before you install

Prior to installing ESET NOD32 Antivirus for Lotus Domino, make sure that NOD32 2.7 is already installed on the Lotus Domino server.

NOD32 2.7 as well as ESET NOD32 Antivirus for Lotus Domino is available for download from Eset's website <http://www.eset.com/download/> using your username and password. For more information about installing

NOD32, read the quick installation guide available at <http://www.eset.com/download/manual.htm>.

After NOD32 installation set in the AMON module in Extension Editor the TMP files not to be checked.

Before you start the installation (uninstallation) of ESET NOD32 Antivirus for Lotus Domino, quit the Lotus Domino Server.

Installing ESET NOD32 Antivirus for Lotus Domino

Installation process:

1. extract the installation package downloaded from Eset's website or shipped on a CD
2. navigate to the temporary folder, and run the appropriate setup file for your oper. system:
 - *setup2k.exe* – for Windows 2000 / 2003 server
 - *setupnt.exe* – for Windows NT server
3. the installer will search for the current Lotus Domino notes.ini file and will offer to use the first file found. After the file has been found, confirm it by typing y and pressing *ENTER* to go ahead with the installation (img. 1)
4. if the found notes.ini file is not the right file, then type n and press *ENTER* to continue
5. type the path to the correct *notes.ini* and press *ENTER* (img. 2)
6. enter the name of a new subdirectory in the Lotus Domino data folder where you want the file to be created, and where the ESET NOD32 Antivirus for Lotus Domino databases will be copied to, and press *ENTER* (img. 3)
7. wait for the installation to complete

(img. 1)

```
C:\temp\test\install\noddomena>setup2k.exe
Found Domino installation and corresponding notes.ini file at this location:
C:\Program Files\Lotus\Domino\notes.ini
Is this correct ? <Y/N>
```

(img. 2)

```
C:\temp\test\install\noddomena>setup2k.exe
Found Domino installation and corresponding notes.ini file at this location:
C:\Program Files\Lotus\Domino\notes.ini
Is this correct ? <Y/N> n

Enter notes.ini (with full path) to be used: D:\Lotus\Domino\notes.ini
```

(img. 3)

```
C:\temp\test\install\noddomena>setup2k.exe
Found Domino installation and corresponding notes.ini file at this location:
C:\Program Files\Lotus\Domino\notes.ini
Is this correct ? <Y/N> y

Enter subdirectory in Domino data directory where AMFE database will be placed: nod32
```

(img. 4)

```
C:\temp\test\install\noddomena>setup2k.exe
Found Domino installation and corresponding notes.ini file at this location:
C:\Program Files\Lotus\Domino\notes.ini
Is this correct ? (Y/N) y

Enter subdirectory in Domino data directory where AMFE database will be placed: nod32
Please wait while AMFE is being installed...
AMFE installed. Press any key to exit
```

(img. 5)

```
C:\temp\test\install\noddomena>setup2k.exe
Found Domino installation and corresponding notes.ini file at this location:
C:\Program Files\Lotus\Domino\notes.ini
Is this correct ? (Y/N) y

AMFE already installed. Do you want to uninstall it ? (Y/N)
```

(img. 6)

```
vm2k3s/domino07: Lotus Domino Server
Lotus Domino (r) Server, Release 7.0, August 18, 2005
Copyright (c) IBM Corporation 1987, 2005. All Rights Reserved.
11/14/2005 10:39:10 AM AMFE v1.01.233 Loading...
```

8. after the installation has completed, press any key to exit the installation dialog (img. 4)

After installation, before Lotus Domino server startup, enter a license key for ESET NOD32 Antivirus for Lotus Domino product to NOD32 Control Center (NOD32 Control Center > NOD32 system tools > Settings > License Keys). The license key is sent to your contact address together with authorization data by ESET spol. s r. o. After entering the license key, start Lotus Domino server. At the server startup, ESET NOD32 Antivirus for Lotus Domino (AMFE) will be loaded. (img. 6)

After a successful installation, the following files will be created in the specified folder (i.e. in the Lotus Domino data subfolder):

- AMFE help.nsf
- AMFE log.nsf
- AMFE Mail Review.nsf
- AMFE Quarantine.nsf
- AMFE Setup.nsf

Uninstalling ESET NOD32 Antivirus for Lotus Domino

The steps 1 to 5 are identical with those for installation.

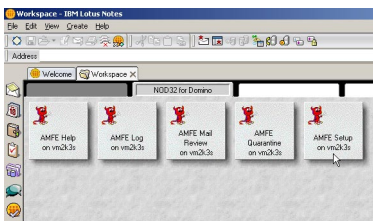
6. after the installer has recognized a previous installation of ESET NOD32 Antivirus for Lotus Domino, it will

offer you to uninstall it from the computer. Type y and press *ENTER* (img. 5)

7. wait for the uninstallation to complete
8. after the uninstallation has completed, press any key to close the installation dialog

3. Setup

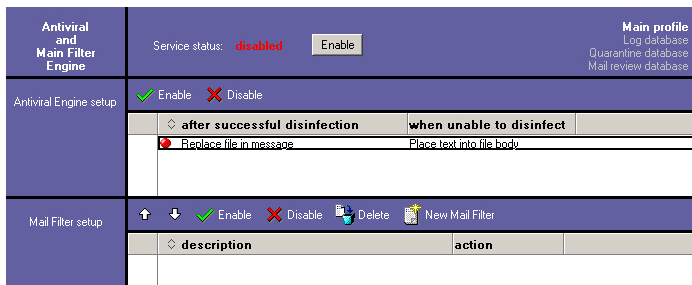
ESET NOD32 Antivirus for Lotus Domino Setup (AMFE Setup)



To configure ESET NOD32 Antivirus for Lotus Domino, open Domino Administrator or your Lotus Notes client (Workspace).

To launch ESET NOD32 Antivirus for Lotus Domino, click the Enable button in the upper part of the AMFE Se-

(img. 7)



tup (Service status:). After ESET NOD32 Antivirus for Lotus Domino starts, Lotus Domino Server must be restarted (img. 7).

The settings are divided into two groups:

Antiviral Engine Setup:

To display the Engine settings, double click on the setup document. By default, the settings are displayed in view mode. To edit the settings, click the Edit button.

Settings:

- **Status (Enabled/Disabled)** – toggles the checking on/off
- **Text to append to bottom of message:** - the text message appended at the end of infected e-mails
Setting up actions that are applied after successful or unsuccessful cleaning:
- **Replace file in message** – cleans infected files (cleanable)
- **Delete file from message** – deletes infected files (regardless of whether they are cleanable or non-cleanable)

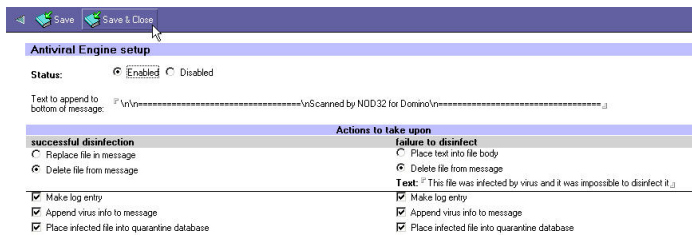
- **Place text into file body** – replaces the body of infected files with a text message (the text of the e-mail will be replaced with the text you enter here)
- **Make log entry** –enables logging
- **Append virus info to message** – adds information about detected threat to email
- **Place infected file into quarantine database** – moves infected files to quarantine (img. 8)

Mail Filter Setup:

ESET NOD32 Antivirus for Lotus Domino enables e-mail filtering based on specified criteria. The filtering can be accomplished by applying various rules. By adjusting the filters the proper way, it is possible to filter out spam effectively.

To create a new filter, click the New Mail Filter button. To assign different priorities to the filters, move them up and down using the arrow keys. The higher a filter is listed, the higher priority it has. To switch a filter on/off, select a filter and click the Enable / Disable button.

(img. 8)



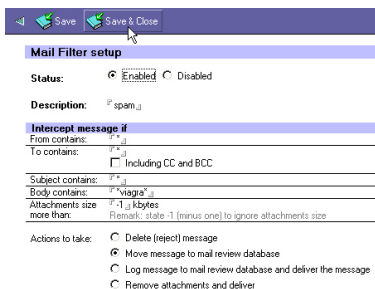
The Filter Settings are displayed after double-clicking the filter. By default, the settings are displayed in view mode. To edit them, click the Edit Button.

Settings

- **Status (Enabled/Disabled)** – enables/disables the filter
- **Description** – name of the filter

Filter settings

- **From contains** – filters by sender
- **To contains** – filters by addressee
- **Subject contains** – filters by subject
- **Body contains** – filters by text in the e-mail body
- **Attachments size** – filters by the size of attachment
- **Action to take** – actions applicable to e-mail messages
 - **Delete (reject) message** – deletes filtered messages
 - **Move message to mail review database** – moves messages to the review database
 - **Log Message to mail review database and deliver the message** – delivers messages to their addressees and places a copy of the message to the review database
 - **Remove attachments and deliver** – deletes attachments and delivers messages subsequently



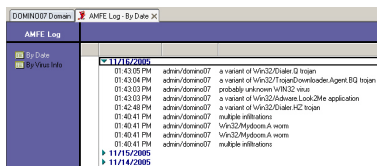
Strings used for filtering email must commence and end with an asterisk (e.g. *viagra*). Wildcards can also be used. A question mark (?) substitutes any one character, while an asterisk (*) substitutes zero or more arbitrary characters. Use a semicolon (;) to delimit multiple strings, if necessary.

Example:

To filter out email from the hotmail.com and yahoo.com domains, enter `**@hotmail.com**;` `**@yahoo.com**` to the „From contains” field.

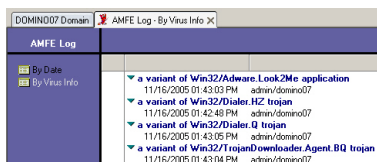
4. Log, Mail Review and Quarantine database maintenance

AMFE Log Database



contains a review of all infected e-mails detected. The database also provides information about the time an incident occurred, the name of the threat as well as the recipient. The information in the database can be sorted by date or the name of the threats. To enable database logging, select *Make log entry*, which is located in the *Mail Filter setup*.

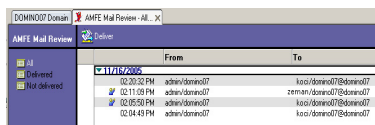
Quarantine Database




the Quarantine database keeps track of all infected files detected. If needed, the files can be recovered. As in the previous case, items in quarantine can be arranged

by date or name of infiltration. To store infected files in quarantine, select Place infected file into quarantine database, found in the Mail Filter Setup.

Mail Review Database



contains all e-mails that have been filtered. Messages are divided into 'delivered' and 'undelivered'. E-mail messages delivered to their respective addressees are indicated by this icon  (when displaying all messages). Undelivered e-mails can be sent back to their addressees – to do so, select messages and click on the *Deliver* button.