



AVScan plugin for Argosoft Mail Server .NET (AVScanforAMS)

Introduction

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DEVELOPERS :
AUTHORS :
SOFTWARE REQUIRED :
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Configure Argosoft Mail Server .NET to use the AVScanforAMS

All configurations are in the config file in a XML format :

SECTION : <AV_CONFIG>
SECTION : <AV_SCAN>
SECTION : <AV_VIRUS_FOUND>

Sample of XML configuration file :

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Introduction

Tested on :

Windows 2003 Server
Argosoft Mail Server .NET 1.0.3.5

Developers :

@CEREAL

Authors :

@CEREAL

Software Required :

Argosoft Mail Server .NET 1.0.3.5

Changes History :

Version 1.0.0
First version.

Description

AVScan for AMS is a antivirus plugin for Argosoft Mail Server .NET (<http://www.argosoft.com>).

This plugin interact with the Antivirus program installed on the server that has the Argosoft Mail Server installed on it, it use the command line interface of the Antivirus program to scan the attachments and detect virus.

How is do work ?

When a mail arrives on the server the Argosoft Mail Server execute the plugin and the plugin do this tasks.

1. Checks if the mail has attachments, if no pass.
2. Extract the attachments to the temporary scan directory.
3. Run the Antivirus command line stored in the config file.
4. If virus is found run the actions defined in the config file.
5. If virus is not found deliver the message.

Installation

Copy all this files in the Argosoft mail Server .NET directory.

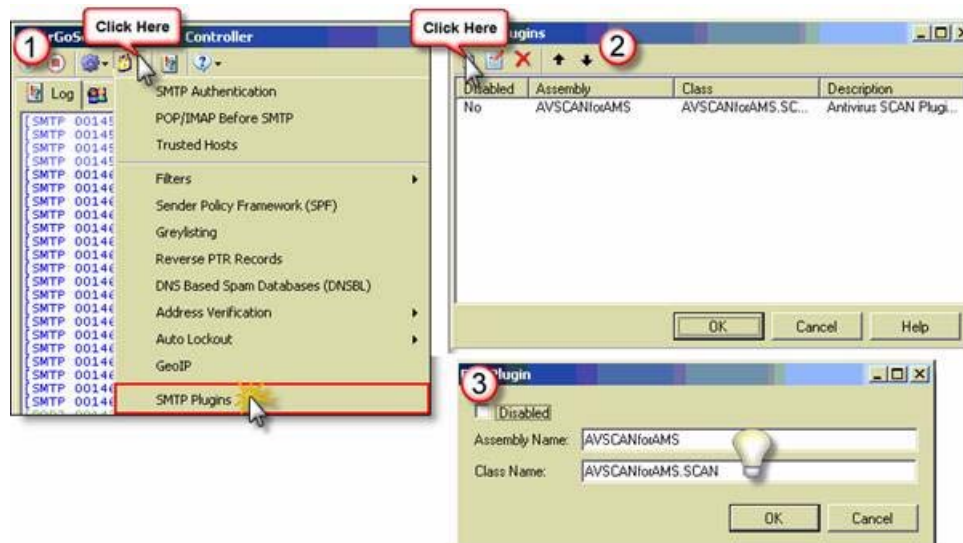
- AVSCANforAMS.dll (main plugin library)
- LumiSoft.Net.dll (MIME management library)

WARNING

The first time the plugin receive a mail with attachment, it create all directories, subdirectories, config files and log file and disable automatically the plugin.

Configure Argosoft Mail Server .NET to use the AVScanforAMS

1. Open Argosoft Mail Server Console .
2. Open Tool , SMTP Plugins .
3. Click on the Add button.
4. Write this informations :
Assembly Name : AVSCANforAMS
Class Name : AVSCANforAMS.SCAN



All configurations are in the config file in a XML format :

The program use a XML file to store all configurations, the name is AVConfig.xml and its stored in the AVScanforAMS subfolder.

Section : <AV_CONFIG>

Key :

<ENABLE_AVSCAN>

Description :

Enable or disable the scan

Values :

True / False

Sample :

<ENABLE_AVSCAN>True</ENABLE_AVSCAN>

Key :

<IF_VIRUS_FOUND>

Description :

Do this action if virus was found in attachment.

Values :

[REMOVE_ATTACHMENT_AND_PASS]

- Remove the attachment and deliver the message.

[DELETE_MESSAGE]

- Delete the entire message.

[REFUSE_MESSAGE]

- Inform the server that this message is refused, if you use this option the remote SMTP server receive a error message.

Sample :
<IF_VIRUS_FOUND>REMOVE_ATTACHMENT_AND_PASS</IF_VIRUS_FOUND>

Key :
<REFUSE_MESSAGE>

Description :
This text message was send to recipient when the antivirus has found a virus.

Sample :
The SMTP server refuse your message because a VIRUS was found !

Key :
<ENABLE_DEBUG>

Description :
Enable or disable the debug mode, all receives messages that are scanned are written in a log file in the AVScanforAMS sub folder.



⚠ Use this option only for debugging because the program don't delete the older logs files.

Values :
True / False

Sample :
<ENABLE_DEBUG>True</ENABLE_DEBUG>

Section : <AV_SCAN>

Key :
<ANTIVIRUS_PROGRAM>

Description :
Path and filename of the command line Antivirus program.

Values :
Path\filename.exe

Sample :
<ANTIVIRUS_PROGRAM>E:\Avast4\aswCmd.exe</ANTIVIRUS_PROGRAM>

Key :
<ANTIVIRUS_PARAMETERS>

Description :
Parameters for the Antivirus program.

Values :
Parameters of the Antivirus program.

Specific values in command line :

%AVSCAN%
If you use this value in the command line the program replace the %AVSCAN% with the path used in the key

<ANTIVIRUS_TEMPORARY_SCAN_DIRECTORY>
Sample : D:_AVSCANDIR_\[Now in format MddHmsffff]

%AVLOG%
If you use this value in the command line the program replace the %AVLOG% with the path used in the key

<ANTIVIRUS_TEMPORARY_SCAN_DIRECTORY>
Sample : D:_AVSCANDIR_\[Now in format MddHmsffff]

Sample :
<ANTIVIRUS_PARAMETERS>%AVSCAN% /a /c /d /f=W /p=1 /t=A /r=%AVLOG%\SCANReport</ANTIVIRUS_PARAMETERS>

Section : <AV_VIRUS_FOUND>

Key :
<VIRUS_FOUND_SUBJECT>

Description :
Add this text before the original subject.

Sample :
<VIRUS_FOUND_SUBJECT>[VIRUS Detected on Original Message]</VIRUS_FOUND_SUBJECT>

Key :
<VIRUS_FOUND_BODY>

Description :
Add this text before the original body message.

Sample :
<VIRUS_FOUND_BODY>A VIRUS was found in your original message, the AntiVirus has deleted the attachment</VIRUS_FOUND_BODY>

Key :
<VIRUS_FOUND_ATTACHMENT>

Description :
Add this file in the attachment on the message.

Values :
Log file
%AVLOG%

If you use this value in the command line the program replace the %AVLOG% with the path used in the key

<ANTIVIRUS_TEMPORARY_SCAN_DIRECTORY>
Sample : D:_AVSCANDIR_\[Now in format MddHmsffff]

Sample :
<VIRUS_FOUND_ATTACHMENT>%AVLOG%\SCANReport.txt</VIRUS_FOUND_ATTACHMENT>

Sample of XML configuration file :

```
<?xml version="1.0"?>
<XML>
<AV_CONFIG>
<ENABLE_AVSCAN>True</ENABLE_AVSCAN>
<IF_VIRUS_FOUND>REMOVE_ATTACHMENT_AND_PASS</IF_VIRUS_FOUND>
<REFUSE_MESSAGE>The SMTP server refuse your message because a VIRUS was found !</REFUSE_MESSAGE>
```

```
<ENABLE_DEBUG>True</ENABLE_DEBUG>
</AV_CONFIG>
<AV_SCAN>
<ANTIVIRUS_PROGRAM>E:\Avast4\aswCmd.exe</ANTIVIRUS_PROGRAM>
<ANTIVIRUS_PARAMETERS>%AVSCAN% /a /c /d /f=W /p=1 /t=A /r=%AVLOG%\SCANReport</ANTIVIRUS_PARAMETERS>
<ANTIVIRUS_TEMPORARY_SCAN_DIRECTORY>D:\_AVSCANDIR_</ANTIVIRUS_TEMPORARY_SCAN_DIRECTORY>
</AV_SCAN>
<AV_VIRUS_FOUND>
<VIRUS_FOUND_SUBJECT>[VIRUS Detected on Original Message]</VIRUS_FOUND_SUBJECT>
<VIRUS_FOUND_BODY>A VIRUS was found in your original message; the Antivirus has deleted the attachment</VIRUS_FOUND_BODY>
<VIRUS_FOUND_ATTACHMENT>%AVLOG%\SCANReport.txt</VIRUS_FOUND_ATTACHMENT>
</AV_VIRUS_FOUND>
</XML>
```

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