

FARONICS

ANTI-EXECUTABLE™

ABSOLUTE Protection from
Unauthorized Executables



Faronics Anti-Executable Enterprise Trend Micro OfficeScan Antivirus

TECHNICAL WHITEPAPER

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Introduction

The process of updating virus definitions on workstations protected by Faronics Anti-Executable Enterprise involves three fundamental steps:

1. Deactivating Anti-Executable Enterprise.
2. Updating the virus definitions
3. Reactivating Anti-Executable Enterprise.

This white paper provides technical information on how to approach these steps with Trend Micro OfficeScan Antivirus Corporate edition.



Faronics Anti-Executable is not marketed as an antivirus product. However, Anti-Executable will protect workstations from any executable form virus. Many viruses come in an executable form, with Anti-Executable installed and activated, these viruses are never run therefore never become active.

Deactivating Anti-Executable

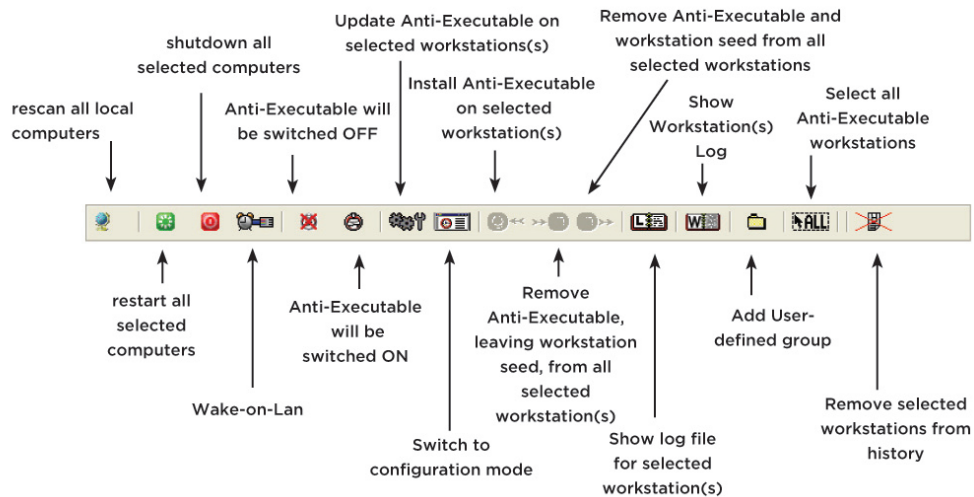
Faronics Anti-Executable protection must be deactivated before updating antivirus definitions. These definitions could include scan engine updates, so Faronics Anti-Executable must be deactivated in order for those updates to be reflected in the whitelist.


There are basically three ways to remotely turn Anti-Executable's protection off:

- By manually using the Anti-Executable Enterprise Console
- By setting up a Scheduled Maintenance Period
- By using the Command Line Control

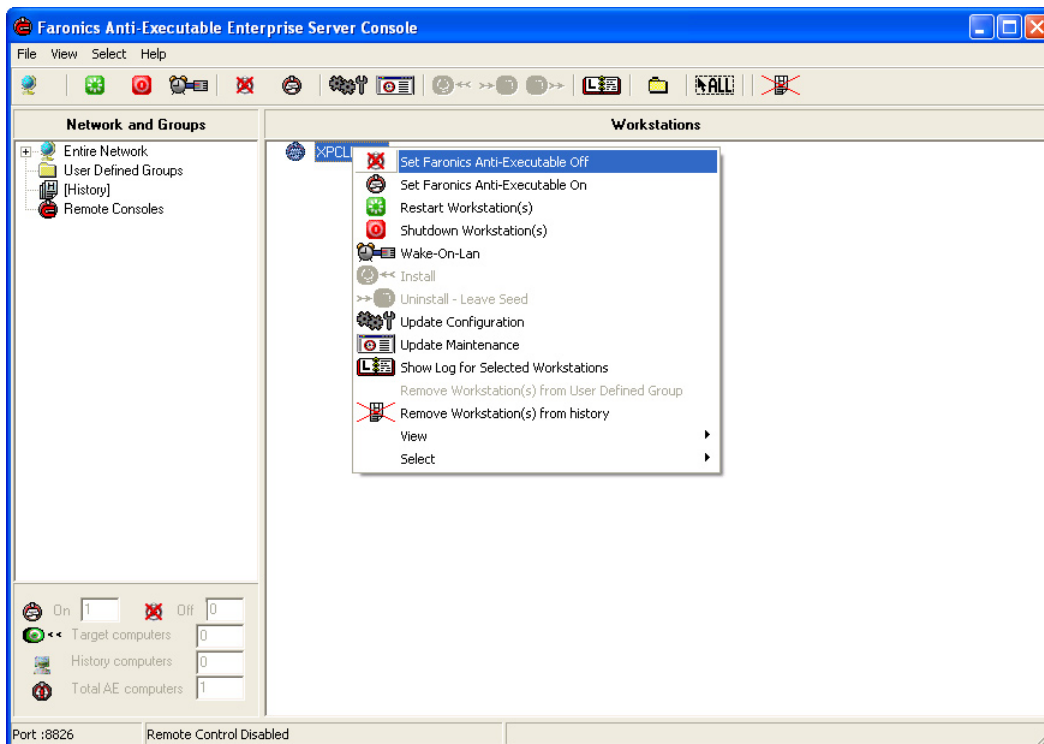
Manually Using the Anti-Executable Enterprise Console

The Enterprise Console contains a toolbar at the top of the screen that allows quick access to the functions of the Console.



To turn Anti-Executable's protection off, select the workstation and click the *Anti-Executable Off* icon  on the toolbar.

Alternatively, right-click on the workstation and select the *Set Faronics Anti-Executable Off* option in the contextual menu.

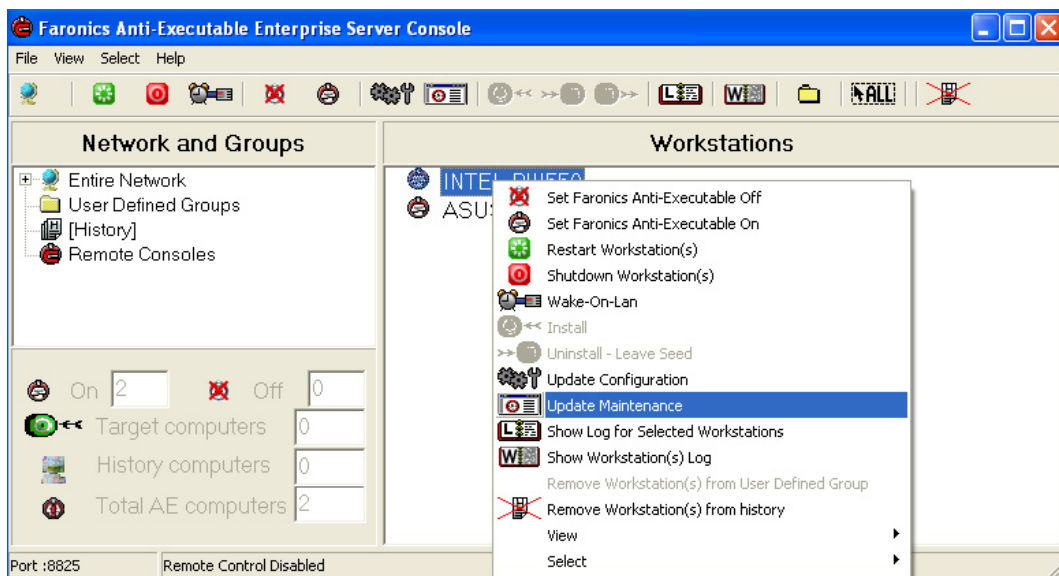


Setting up a Scheduled Maintenance Period

There are two ways to set up a Scheduled Maintenance Period. The first way is to set it up when configuring the Faronics Anti-Executable Enterprise installation files with the Configuration Administrator (best method for new deployments). The second way is to create or update the Maintenance Period using the Enterprise Console.

The following instructions elaborate on how to create/update the Maintenance Period with the Enterprise Console, assuming Anti-Executable has already been deployed throughout the network,

1. Open the Enterprise Console, select any workstation and right-click on it.
Select *Update Maintenance*.

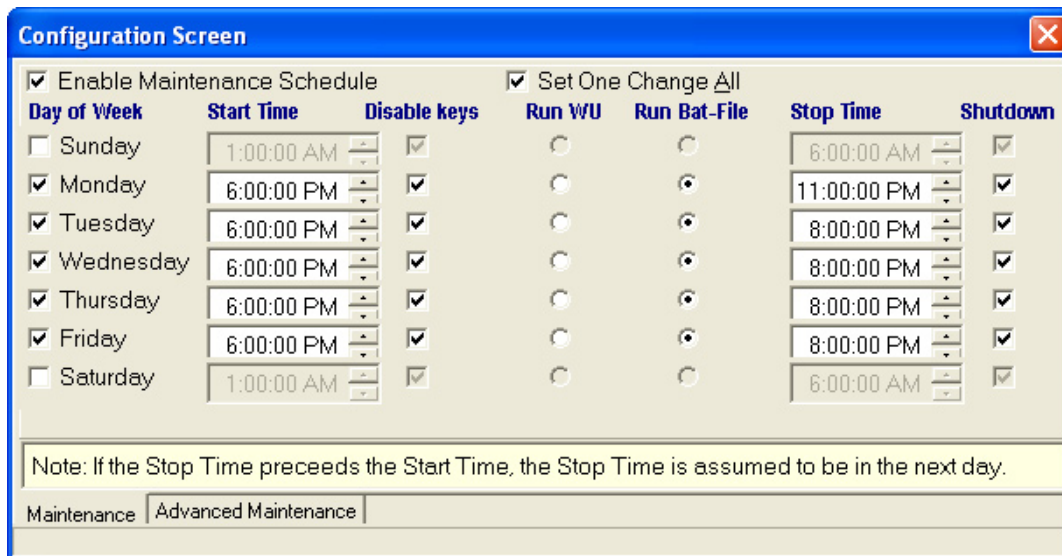


As shown below, a red bar appears at the bottom of the screen.



2. Click *New*.

The Configuration screen appears, as shown. It only contains the *Maintenance* and *Advanced Maintenance* options.



3. Click on the *Maintenance* tab and place a check in the *Enable Maintenance Schedule* check box. Also place a check beside each day you want the Maintenance Schedule to run.
4. Set the Maintenance start time for each day in the *Start Time* column and the end time in the *Stop Time* column.
5. It is recommended that the *Disable keys* option is checked so the keyboard and mouse are disabled while the workstations are in Maintenance Mode.

Optional: check the *Shutdown* box so Anti-Executable shuts the workstations down at the end of the Maintenance Period.

6. Close the *Configuration* screen. A pop-up message appears requesting the administrator to select the workstations to send the new configuration to.

Select the workstations to be updated and click *Send*. This action updates all the selected workstations' configuration on the fly.

Controlling Anti-Executable Through the Command Line Control - AEC

The Anti-Executable *Command Line Control (AEC)* offers network administrators increased flexibility in managing workstation protected by Faronics Anti-Executable. AEC works in combination with third party enterprise management tools and/or central management solutions. This combination allows administrators to update workstations on the fly and on demand.

It is important to note that AEC is not a stand-alone application. AEC integrates seamlessly with any solution that can run script files, including standard run-once login scripts.

The AEC executable is installed in same directory as the Configuration Administrator:

C:\Program Files\Faronics\Faronics Anti-Executable Enterprise\AEC.exe

AEC commands require a password with command line rights. One Time Passwords cannot be used.

AEC Options

Syntax	Description
AEC password ON	Turn Anti-Executable on
AEC password LOW	Set Anti-Executable security to Low*
AEC password HIGH	Set Anti-Executable security to High
AEC password OFF	Turn Anti-Executable off
AEC password CFG=[path] cfg.fzx	Replaces Anti-Executable configuration information. Works when Anti-Executable is On or Off.*
AEC ISON	Queries workstation if Anti-Executable is On. Returns 0 if Off. Returns 1 if on.

* The Low security level is not available on Win 9x/Me machines

Example Batch File

Below is a sample batch file that can be modified for use with any antivirus software that supports updating through a command line.

```
@ECHO OFF
\\SERVER\SHARE\FOLDER\AEC.EXE ISON
IF ERRORLEVEL 1 GOTO PROTECTED
IF ERRORLEVEL 0 GOTO UNPROTECTED
ECHO Errors where encountered running the command line control on this
workstation.
:PROTECTED
\\SERVER\SHARE\FOLDER\AEC.EXE password OFF
GOTO END
:UNPROTECTED
REM *****
REM *Insert the command to update the antivirus software here. *
REM *****
\\SERVER\SHARE\FOLDER\AEC.EXE password ON
GOTO END
:END
```

Updating the Virus Definitions

This document provides four different ways to approach virus patterns updates for the Trend Micro OfficeScan.

1) Manually Updating the New Virus Patterns

- Using the Enterprise Console, deactivate Anti-Executable on the workstations.
When the computers are unprotected,, access the OfficeScan Management Console.
- On the left menu, click *Updates*, select *Client Deployment > Manual Deployment*. Click *Notify*.

The screenshot shows the Trend Micro OfficeScan Management Console interface. The left sidebar contains navigation options: Scan Now, Update Now, Cleanup Now, Summary, Outbreak Prevention, Virus Outbreak Monitor, Clients, Cisco NAC, Administration, Updates (expanded), Server Update, Client Deployment, Update Source, Automatic Deployment, Manual Deployment, Update Agent, Rollback, Logs, and Tools. The main content area is titled 'Manual Deployment' and contains the following information:

You can manually update all components to clients. Components will be updated according to the list below.

Component	Version Available	Last Update
Antivirus		
Virus pattern	2.400.00	2/10/2005 13:48:04
Client program for Windows NT/2000/XP/Server 2003	6.5	1/21/2005 13:07:26
Scan engine for Windows NT/2000/XP/Server 2003	7.500.1001	2/10/2005 13:32:39
Client program for Windows 95/98/Me	6.5	1/21/2005 13:07:26
Scan engine for Windows 95/98/Me	7.500.1001	2/10/2005 13:48:13
Server program	6.5	1/21/2005 13:07:26
Additional Threat pattern	0.227.00	2/10/2005 13:33:06
Damage Cleanup Service		
Damage Cleanup template	515	2/10/2005 13:32:49
Damage Cleanup engine	3.9.1020	2/10/2005 13:32:57
Cisco NAC		
Cisco Trust Agent	1.0.53	1/21/2005 13:07:26

Update Target

Select clients with out-of-date components
 Include roaming client(s)
 Manually select clients

Click **Notify** to inform target clients to download the latest components.

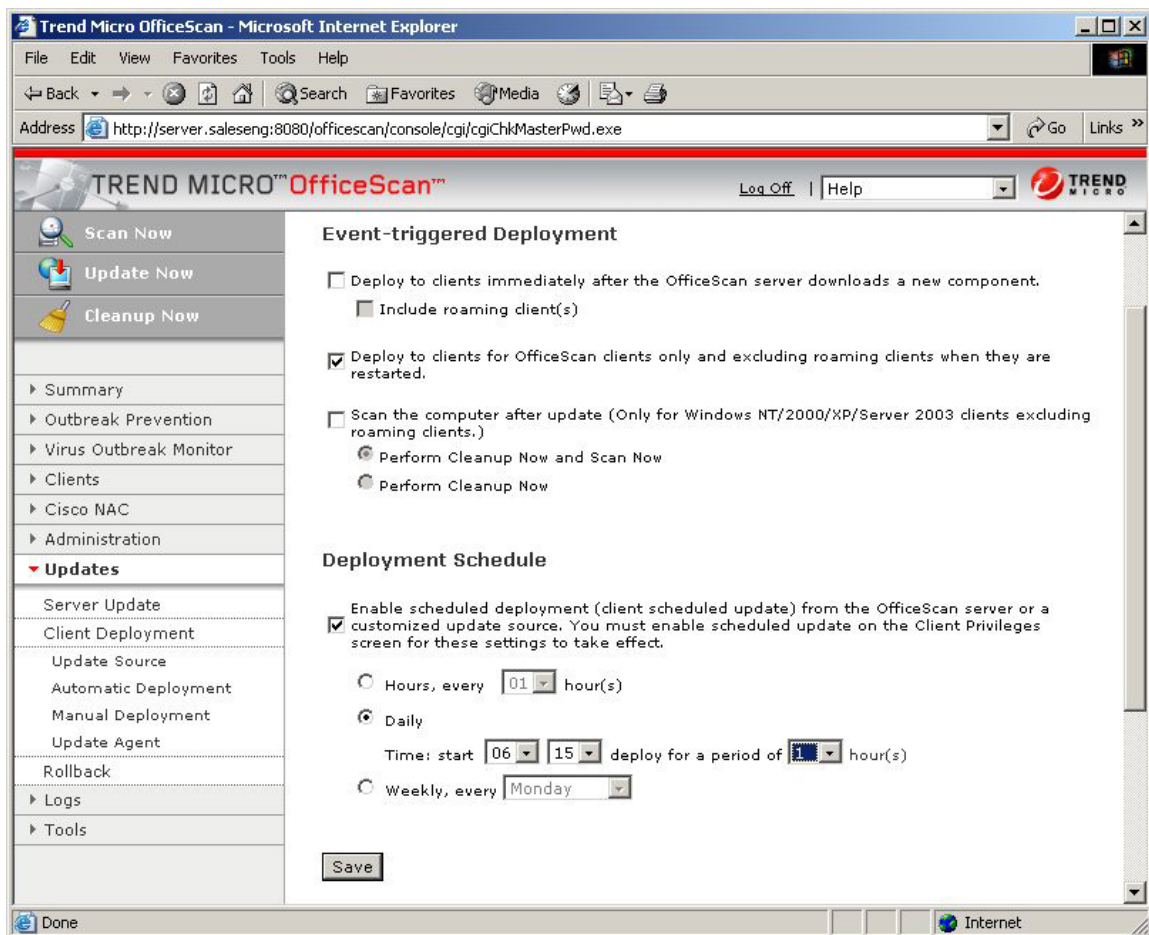
- Follow the steps as prompted. The server and the workstations are updated with the latest virus pattern.

2) Scheduling Virus Pattern Files Updates

1. Using the Anti-Executable Enterprise Console, schedule a Maintenance Period as per instructions on p. 4.
2. Open the OfficeScan Management Console. On the left menu click *Updates*.
3. Select *Client Deployment > Automatic Deployment*. Under the Deployment Schedule section check *Enable scheduled deployment*.

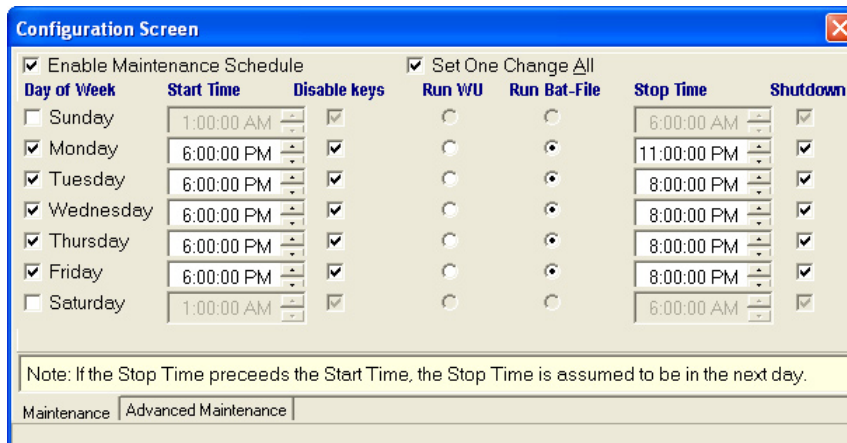
In this example, Anti-Executable Enterprise is set to have a maintenance window Monday through Friday from 18:00 to 20:00.

4. Click the *Daily* radio button, set the starting time at 18:15, and leave the deployment period at one hour. Click *Save* to update the settings.

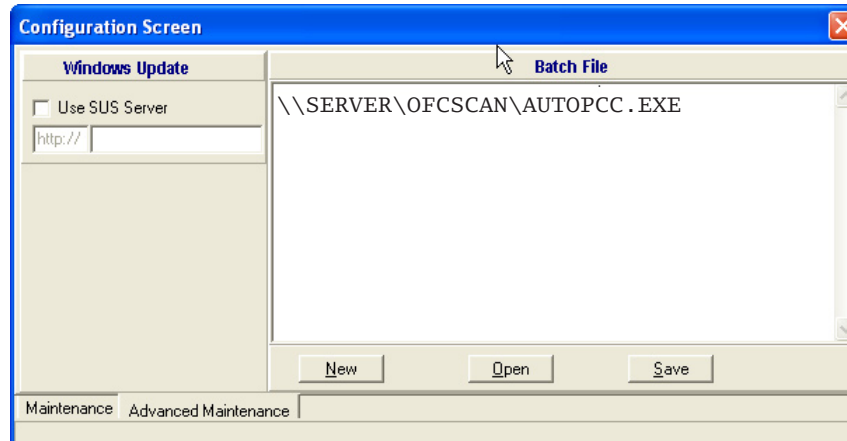


3) Configuring Anti-Executable Enterprise to Run a Batch File That Updates the Virus Pattern File

1. Open the Anti-Executable Enterprise Console and follow the steps on p. 4 to set up a Scheduled Maintenance Period.
2. Check the *Run Bat* radio button to allow the workstations to run a batch file automatically during the Maintenance period.



3. Click the *Advanced Maintenance* tab and enter the following line in the Batch File window.
`\\SERVER\OFCSKAN\AUTOPCC.EXE`



This command triggers the update and the virus pattern file downloads from the server.

4) Updating Virus Patterns Via a Batch File in a Third-Party Desktop Management Solution

Virus pattern files can be also updated running a batch file from a Desktop Management software such as Novell ZenWorks, Altiris, Microsoft SMS, BigFix, etc.

To do this, add a task that runs the following batch file:

```
@ECHO OFF
\\SERVER\SHARE\FOLDER\AEC.EXE ISON
IF ERRORLEVEL 1 GOTO PROTECTED
IF ERRORLEVEL 0 GOTO UNPROTECTED
ECHO Errors where encountered running the command line control on this
workstation.
:PROTECTED
\\SERVER\SHARE\FOLDER\AEC.EXE password OFF
GOTO END
:UNPROTECTED
REM *****
REM * \\SERVER\OFCSCAN\AUTOPCC.EXE *
REM *****
\\SERVER\SHARE\FOLDER\AEC.EXE password ON
GOTO END
:END
```