

Version 1.0.0.3

## Active Directory Deployment Guide



#### Table of Contents

1.Introduction	1
2. Creating the WMI filters	2
3. Creating the EPP deployment GPOs	9
4. Linking the WMIs to each of the GPOs 1	3
5. Linking the GPO to organization units1	4
6.Important Notice / Disclaimer1	6

## 1. Introduction

Endpoint Protector Client software is delivered as a Microsoft Installer file 'msi', in order to be easily deployed using Active Directory, but also using a third party software.

Endpoint Protector comes in 2 versions: 32 bit and 64 bit targeted installers as the driver contained within the application can only be built and installed separately for each of the two operating system types.

Because of the two versions of the Endpoint Protector Client installer, 2 different GPOs will be created in the Active Directory, each of them having set parameters to install each of the two clients.

The 2 GPOs will be then filtered using WMI filters in order to be applied only on the computers for which they are created. The GPOs will be later linked to each Organization Unit on which you want to perform the deployment.

This document presents a basic and functional overview of the deployment strategy of Endpoint Protector Client software. The Administrator has the possibility to modify and adjust these techniques to his environment.

## 2. Creating the WMI filters

In order to create a WMi filter, go to Group Policy Management console, expand Domains and then your domain tree.

192.168.0.25 - Remote	Posktop Connection				- 0 ×
Mozilla Firefox	Group Policy Management Group Policy Management Group Policy Management Group Policy Management Group Policy Management Group Policy Management Group Policy Modeling Group Policy Modeling Group Policy Results Group Policy Results	WMI Filters in ad.co	SOSYS.COM	Linked GPO	Authe
🛃 Start 🛛 🔀 🥭	ා මේදී Group Policy Manage				😥 📑 🏹 🗐 12:56 PM

Right click on WMI Filters and select New.

Recycle Bin	
Foxit Reader       Image: Hangement         Image: Hangement	
Image: Conserve of the conserve	
Group Policy Res	
Start 3 Start 3 Stroup Policy Manage	::57 PM

Provide the name, description and queries as in the following image:

192.168.0.25 - Remote	e Desktop Connection	
1		
Recycle Bin		
Foxit Reader	S Group Policy Management	
	Sig File Action View Window Help	
<b>8</b>		
Mozilla Firefox	Image Group Policy Management     Image Group Policy Management       Image Group Policy Management     Image Group Policy Management	
	Domains New WMI Filter	
	Befault D Name:	
	Generate     Description     Solution     Solution     Solution	
	Hanuela Manuela Ma	
	Coganizat Namespace Query	
	B 2 Organizal root\CIMv2 Select " from Win32_Processor where B 2 test comp AddressWidth = '32' <u>B</u> emove	
	E 🔯 Testing C	
	E W Vögel	
	WMI File	
	🕀 🕼 Sites	
	Group Policy Rest	
		1
🛃 Start 🛛 🔀 🅭	ि में हे Group Policy Manage	12:58 PM

Repeat this step for the 64 bit WMI filter.

192,168.0.25 - Remote	e Desktop Connection	
Recycle Bin		
Recycle Bin Foxit Reader Mozilla Firefox	Croup Policy Management     Low     He Action Yew Window Help     Low     Feet Action Yew Window Help     Low     Coup Policy Management     Coup Policy Results     Coup Policy Results	
Start 🕖 🥵	S Group Policy Manage	12:59 PM

As a result, you should see 2 new filters under WMI Filters.

ote Desktop Connection	X
Stroup Policy Management       Imagement         Imagement       Imagement <td< th=""><th></th></td<>	
्रिंट Group Policy Manage	:00 PM
	er Dekktop Connection

Selecting the 32 bit and 64 bit operating systems:

#### 32-bit Operating System

Select \* from Win32\_Processor where AddressWidth = '32'

#### 64-bit Operating System

Select \* from Win32\_Processor where AddressWidth = '64'

Further queries can be added if you want to target certain operation systems and/or type of computers:

#### Workstation

Select \* from WIN32\_OperatingSystem where ProductType=1

#### **Domain Controller**

Select \* from WIN32\_OperatingSystem where ProductType=2

#### Server

Select \* from WIN32\_OperatingSystem where ProductType=3

#### Windows XP

Select \* from WIN32\_OperatingSystem where Version='5.1.2600' and ProductType=1

#### Windows Vista

Select \* from WIN32\_OperatingSystem where Version='6.0.6002' and ProductType=1

#### Windows 7

Select \* from WIN32\_OperatingSystem where Version='6.1.7600' and ProductType=1

#### Windows 2003

Select \* from WIN32\_OperatingSystem where Version='5.2.3790' and ProductType>1

#### Windows 2008

Select \* from WIN32\_OperatingSystem where Version='6.0.6002' and ProductType>1

#### Windows 2008 R2

Select \* from WIN32\_OperatingSystem where Version='6.1.7600' and ProductType>1

# 3. Creating the EPP deployment GPOs

#### **IMPORTANT!**

In case you have to deploy Endpoint Protector Client software for Endpoint Protector 2009, you need to modify the Endpoint Protector Client using a free tool like Orca, Super Orca or Easy MSI Editor to adjust the IP of the Endpoint Protector Server.

#### Example (using Easy MSI Editor):

Open the Easy MSI Editor software.



### Then, using File/Open commands from the main menu, select the Endpoint Protector `msi' file.

🖳 <u>F</u> ile <u>E</u> dit <u>T</u> ools <u>W</u> ine	dows <u>H</u> elp					- 8 >
🔗 🖩 🗙 🗣 🗣 🖪	0					
Table	Table	Column	Nullable	MinValue	MaxValue	KeyTat 🔺
_Validation	_Validation	Table	N	-2147483648	-2147483648	
ActionText	_Validation	Column	N	-2147483648	-2147483648	
AdminExecuteSequence	_Validation	Nullable	N	-2147483648	-2147483648	
Condition	_Validation	MinValue	Y	-2147483647	2147483647	
Feature	_Validation	MaxValue	Ý	-2147483647	2147483647	
AdminUISequence	_Validation	KeyTable	Y	-2147483648	-2147483648	
Advt Execute Sequence	_Validation	KeyColumn	Y	1	32	
Extension	_Validation	Category	Y	-2147483648	-2147483648	
File	_Validation	Set	Y	-2147483648	-2147483648	
Component	_Validation	Description	Y	-2147483648	-2147483648	
Directory	ActionText	Description	Y	-2147483648	-2147483648	
AppSearch	ActionText	Action	N	-2147483648	-2147483648	
Property	ActionText	Template	Y	-2147483648	-2147483648	
BBControl	AdminExecuteSequence	Action	N	-2147483648	-2147483648	
Billboard	Admin Execute Sequence	Condition	Y	-2147483648	-2147483648	1. The
Binary	AdminExecuteSequence	Sequence	Y	-4	32767	
CheckBox -	4 [ III ]				1	F

On the left tab select Property and then on the right side select and edit WSIP value.

StartupForm - [D:\EPPClientSe	tup.3.1.4.3_x86_64.msi]		
Eile Edit Tools Win	dows <u>H</u> elp		_ & ×
🕑 🖬 🗙 🗣 🗣 📝 🧱	0		
Table	Property	Value	
_Validation	DiskPrompt	[1]	
ActionText	InstallMode	Typical	III.
Admin Execute Sequence	UpgradeCode	{C6EF73F0-6F3F-4102-84F1-14F03F75AF83}	
Condition	ProductCode	{C2512A86-5E40-499F-B6F0-B7EEF41346C1}	
Feature	ServiceName	Endpoint Protector	
AdminUISequence	BannerBitmap	epp_wiz_small.bmp	
AdvtExecuteSequence	AppsShutdownOption	All	
Extension	RUNAPPLICATION	1	
File	WSIP	PUT YOUR IP HERE	
Component	WSPORT	443	
Directory	ARPURLINFOABOUT	http://www.cososys.com	58
AppSearch	CtrlEvtchanges	changes	
Property	WindowsFamily9X	Windows 9x/ME	
BBControl	Button Text_Next	&Next >	
Billboard	ProductName	Endpoint Protector	
Binary	ARPNOREPAIR	1	
CheckBox +	•	III.	•

Then, select File/Save from main menu to save the file.

•

In Group Policy Management console right click on Group Policy Objects and select New.

Add the name of the new GPO: - Endpoint Protector 32 bit

Right click on the new created GPO and select Edit.



Expand Computer Configuration / Software Settings and right click Software Installation, then select New/Package.

When browsing for the 'msi' file, please make sure it is on a folder which is shared over your network and accessible by the computers on your AD.

192.168.0.2	- Remote Desktop Connection	and some of the local distance of the local	And Property of Concession	an min Ch	
1					
Recycle Bin					
2	🚡 Group Policy Object Editor				
Foxit Reader	File Action View Help	-			
1	← → ▲ ■ ■ ■ ■ ≥ ≥ ↓	<u>u</u>		1.997/000	
<b>1</b>	Computer Configuration     Configuration     Configuration	ne / vers Endpoint Protector 3.1	Assigned	Source \\Serv.ad.cososys.com\EPP\EPPClientSetup.3	1.4.2_x86_32.msi
Mozilla Firefox	Software installation     Definition				
	Administrative Templates				
	🕀 🧰 Software Settings				
	Image: Settings Image: Ima				
P.					
🐮 Start 📗 🔀	and the second s	🔓 Group Policy Object E	()		🛃 😏 🖪 🏹 👘 1:11 PM

Please close the Group Policy Object Editor console and repeat this step for Endpoint Protector 64 bit GPO.

## 4. Linking the WMIs to each of the GPOs

In Group Policy Management Console, select the Endpoint Protector 32 bit policy and in the right window, under WMI Filtering tab, select 32 bit Windows Filter

192.168.0.25 - Remot	te Desktop Connection
2	
Recycle Bin	
-	
Foxit Reader	👫 Group Policy Management
Mozilla Firefox	Group Policy Management ▲ Endpoint Protector 32 bit
	Cope   Details   Settings   Delegation
	B Default Domain Policy Display links in this location:
	Andre OU     Andre OU     Domain Controllers     Ihe following sites, domains, and OUs are linked to this GPO:
	Generated Entities     Location     Location     Location     Location
	E 2 Groups membership
	E 🙆 Manuela's OU
	🗄 🔯 Organizational Unit2
	Example as computers     Security intering     Security intering     Security intering     The settings in this GPO can only apply to the following groups, users, and computers:
	Witual Users
	Group Policy Objects
	- S Default Domain Controllers Policy
	- S Endpoint Protector 32 bit R Endpoint Protector 64 bit Add Bemove Properties
	WMI Filters
	64 bit Windows This GPO is linked to the following WMI filter:
	B ஞ Sites 🔹 🚺 (none>
	32 bit Windows
	64 bit Windows
🖉 Start 🛛 😥 🥭	S Group Policy Manage 🔯 🗗 🚺 1:14 PM

Repeat the step above for Endpoint Protector 64 bit GPO.

# 5. Linking the GPO to organization units

Newly created GPOs can be linked now to any of your OU.

Right click on your selected OU and select the option "Link an Existing GPO".

192.168.0.25 - Remote	Desktop Connection	
2		
Recycle Bin		
2		
Foxit Reader	St File Action View Window Help	
<u> </u>		
<b>**</b>	Select GPO	
Mozilia Firefox	Image: Construction of the second	
	□ 🖓 ad.cososys.com ad.cososys.com Enforces	
	B-@ Andre OU Group Policy objects: B-@ Domain Con	
	Generated f     Name      Default Domain Controllers Policy	
	Manuela OL     Default Domain Policy     Endpoint Protector 32 bit	
	Protector 64 bit     Protector 64 bit	
•	B 2 Iresting OU B 2 Virtual User:	
	B⊣@/ Võgel B⊣@jj Group Policy	
	E 👰 WMI Filters 🛛 🖉 🖓 Sites	
	Group Policy Modelin	
	OK Cancel	
🕂 Start 🛛 🔀 🕭	Group Policy Manage 🔯 EX	2 🗐 1:16 PM

Select Endpoint Protector 32 bit and then press OK.

Repeat the previous steps for the same OU, but now selecting Endpoint Protector 64 bit GPO.

Please note that these new policies will be applied only when the target computers will be rebooted.

### 6. Important Notice / Disclaimer

Security safeguards, by their nature, are capable of circumvention. CoSoSys cannot, and does not, guarantee that data or devices will not be accessed by unauthorized persons, and CoSoSys disclaims any warranties to that effect to the fullest extent permitted by law.

© 2004 – 2011 CoSoSys Ltd.; Endpoint Protector Basic, EPPBasic, Endpoint Protector, My Endpoint Protector are trademarks of CoSoSys Ltd. All rights reserved. Windows and Orca are registered trademarks of Microsoft Corporation. Macintosh, Mac OS X are trademarks of Apple Corporation. Easy MSI Editor and SuperOrca are trademarks of Neone Systems and, respectively, of Pantaray Research. All other names and trademarks are property of their respective owners.