

Virtual and Hardware Appliance User Manual - Version 4.5.0.2



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# 1. Endpoint Protector Virtual Appliance formats

The Endpoint Protector Virtual Appliance is available in different formats and for various platforms. The table below provides a quick overview.

Supported Virtual Environments	Version	.OVF	.OVA	.VMX	.VHD	.PVM	.XVA
VMware Player	7.1.0	•	•	•			
VMware Workstation	11.1.0	•	•	•			
Oracle VM VirtualBox	5.0.28	•	•				
VMware vSphere (ESXi)	6.0.0	•	•				
VMware Fusion Professional	7.1.3	•	•				
Hyper-V Manager Windows Server 2016	10.0.14393.0				•		
Parallels Desktop	11.1.3					•	
Citrix XenCenter	6.2						•

In addition to the Virtual Environments mentioned above, the Endpoint Protector Virtual Appliance can also be run on older versions of the virtualization software. This makes testing and implementation as easy as possible. Additional information can be found in the following chapters.

### Note!

The most commonly used format is OVF (Open Virtualization Format) as it is compatible with the majority of the virtualization software.

### 1.1. Virtualization software that support OVF and OVA

In addition to the information provided in the initial table, this formats are also supported by:

- VMWare Workstation 11.1, VMware Player 5.0 or higher, VMware Fusion 7.1.2 and VMware ESXi 5.1 or higher
- Oracle VM VirtualBox
- Citrix XenCenter 6.2

### 1.2. Virtualization software that supports VMX

In addition to the information provided in the initial table, this format is also supported by:

- VMware Player 5.0 or higher
- VMware Workstation 9.0 or higher

### Note!

The .VMX virtual appliance is set to run on the latest VMware Workstation version (v11.x.x) and on the latest VMware Player version (v7.x.x). In order to run these virtual appliances on older VMware Workstation / VMware Player versions, the following actions are required:

- 1. Extract the .zip archive
- 2. Go to the extract location

3. Click to edit the .VMX file using a text editor; 4. Search for the "virtualHW.version" field; 5. Replace the default version (default = 11) to the desired version

Examples:

- if you want to run the .VMX virtual appliance on VMware Workstation v9.x.x or VMware Player v5.x.x, than virtualHW.version = "9"

- if you want to run the .VMX virtual appliance on VMware Workstation v10.x.x or VMware Player v6.x.x, than virtualHW.version = "10"

- 6. Save the changes and close the text editor
- 7. Import the virtual image
- 8. Play the virtual machine

### 1.3. Virtualization software that supports VHD

In addition to the information provided in the initial table, this format is also supported by:

- Microsoft Hyper-V 6.1.7601.17514
- Microsoft Hyper-V 6.3.9600.16384

### 1.4. Virtualization software that support PVM

In addition to the information provided in the initial table, this format is also supported by:

• Parallels Desktop 10.2.1

### 1.5. Virtualization software that supports XVA

In addition to the information provided in the initial table, this format is also supported by:

- Citrix XenServer 5.5
- Citrix XenServer 6.0

# 2. Using the OVF format

There are several options to implement the Endpoint Protector Virtual Appliance using the OVF format. The way to do this is explained below.

### 2.1. Implementation using Oracle VM VirtualBox

- 1. Unzip the downloaded package
- 2. Start VirtualBox



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  - 3. Go To File > Import Appliance



### 4. Press Choose button

2 ×
Appliance Import Wizard
Welcome to the Appliance Import Wizard!
This wizard will guide you through importing an appliance.
Use the <b>Next</b> button to go to the next page of the wizard and the <b>Back</b> button to return to the previous page. You can also press <b>Cancel</b> if you want to cancel the execution of this wizard.
VirtualBox currently supports importing appliances saved in the Open Virtualization Format (OVF). To continue, select the file to import below:
Choose
Next Cancel

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  - 5. Browse and select the OVF file from the extracted zip file

Select an appliance to imp	port		×				
🚱 🔵 🗢 📔 « Appli 🕨 Endpoint Protector Server V100 🔹 🍫 Search Endpoint Protector Serv 🔎							
Organize 🔻 New folder							
🌒 Music 🔷	Name	Date modified	Туре				
Videos	🐼 Endpoint Protector Server V100.ovf	9/21/2010 12:54 PM	Open Virtual				
Computer Sys (C:) Work (D:) Media (E:) CD Drive (F:) CD Drive (G:) DVD RW Drive (J:	< III		Þ				
File <u>n</u>	ame: Endpoint Protector Server V100.ovf 🔹	Open Virtualization Form	nat (*.o 🔻				
		<u>O</u> pen	Cancel				

6. Press Next Button

ନ <mark>୍</mark>
Appliance Import Wizard
Welcome to the Appliance Import Wizard!
This wizard will guide you through importing an appliance.
Use the <b>Next</b> button to go to the next page of the wizard and the <b>Back</b> button to return to the previous page. You can also press <b>Cancel</b> if you want to cancel the execution of this wizard.
VirtualBox currently supports importing appliances saved in the Open Virtualization Format (OVF). To continue, select the file to import below:
Choose E:\Appliances\Endpoint Protector Server V100\Endpoint Protector Server V100.ovf
Next Cancel

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  - 7. Press Finish Button

Appliance Import Wizard	S X
Appliance Import Settings These are the virtual machines contain	ned in the appliance and the suggested settings of the imported VirtualBox machines. You
can change many of the properties sh Description	own by double-clicking on the items and disable others using the check boxes below. Configuration
Virtual System 1	
🛞 Name	Endpoint Protector Server V100
Product	Endpoint Protector Server V100
Product-URL	www.endpointprotector.com
Vendor	CoSoSys Ltd.  ≡
Vendor-URL	www.cososys.com
Version	3.0.5.0
🤣 Guest OS Type	🔀 Linux 2.6 (64 bit)
CPU	1
III RAM	2048 MB
Network Adapter	✓ PCnet-PCI II (Am79C970A)
Network Adapter	PCnet-PCIII (Am79C970A)
Hard Dick Controller (IDE)	
	Restore Defaults Einish Cancel

8. Wait for the import displayed by the progress bar

Importing Appliance: Importing appliance 'E:\Appliances\Endpoint Protector Server V100\Endpoint Protector						
Importing virtual disk image 'E:\Appliances\Endpoint Protector Server V100\Endpoint Protector Server V100.v	mdk'	(2/2)				
	14%	X				
2 minutes remaining						

9. At the end the new virtual machine will appear on the left container as displayed bellow



At this point the virtual machine is ready to be started.

Please follow the Endpoint Protector Appliance User Manual from this point on.

### 2.2. Implementation using VMware vSphere

- 1. Unzip the downloaded package.
- 2. Start vSphere

2 192.168.0.129 - vSphere Client			and the second se
File Edit View Inventory Ad	ministration Plug-ins Help		
Ca Ca 👌 Home 🕽 🛃	Inventory • 🛐 Inventory		
d d			
Image: Second secon	Divertiony       Inventory         bockhool aftern cossesys com VMware ESXL 58.4, 449512         Gering Starte       Inventory         What is a Host?         A host is a computer that uses writualization software, such as ESX or ESX, to run virtual machines. Hosts provide the CPU and memory resources that virtual machines use and give virtual appliance is a pre-built virtual machine so to deploy a virtual appliance. A virtual appliance is a pre-built virtual machine with an operating system and software aready installed A new virtual machine with a obmare aready installed A new virtual machine with a software aready installed A new virtual machine with ano operating system installed on it, such as Windows or Linux.         Basic Tasks         Image: Create a new virtual machine	formance. Configuration. Lood dates it Groups. (Dentite. (Demonstrated) Cores to C	e.
🖅 Taska			T YOU

3. To File > Deploy OVF Template.



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  - 4. Press the Browse button.

Deploy OVF Template		- O <b>-</b> S
Source Select the source location.		
Source OVF Template Details Name and Location Disk Format Ready to Complete	Deploy from a file or URL	]
Help	≤ Back Next ≥	Cancel

5. Browse and select the OVF file from the extracted zip file.



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  - 6. Press the Next button

Deploy OVF Template	
Source Select the source location.	
Source OVF Template Details Name and Location Disk Format Ready to Complete	Deploy from a file or URL I:\Appliance\Endpoint Protector 4 Virtual Appliance\Endpoint  Implication accessible from your computer, such as a local hard drive, a network share, or a CD/DVD drive.
Help	_≤ Back Next ≥ Cance

7. Verify the OVF Template Details and press Next

Deploy OVF Template				
OVF Template Details Verify OVF template details	i.			
Source OVF Template Details Name and Location Disk Format Ready to Complete	Product:	Endpoint Protector 4 Virtual Appliance		
	Download size: Size on disk:	708.6 MB 1.5 GB (thin provisioned) 16.0 GB (thick provisioned)		
	Description:	CoSoSys Ltd 2011 Endpoint Protector 4 - V 4.0.4.0 support@endpointprotector.com		
Help			≤Back Next ≥	Cancel

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  - 8. Specify the name of the OVF template and press Next.

Deploy OVF Template	
Name and Location Specify a name and loca	tion for the deployed template
Source OVE Template Details Name and Location Disk Format Ready to Complete	Name: Endpoint Protector 4 Virtual Appliance The name can contain up to 80 characters and it must be unique within the inventory folder.
Help	≤Back Next ≥ Cancel

9. Select "Thin provision" as Disk Format option and press Next

Deploy OVF Template				
Disk Format In which format do you	want to store the virtual disks?			
Source OVF Template Details Name and Location <b>Disk Format</b> Ready to Complete	Datastore: Available space (GB):	datastore 1		
	Thick Provision Lazy 2     Thick Provision Eager     Thick Provision	Zeroed Zeroed		
Help			≤Back Next ≥	Cancel

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  - 10.Press the Finish button to complete the installation.

Deploy OVF Template		
Ready to Complete Are these the options yo	ou want to use?	
Source OVF Template Details Name and Location Disk Format Ready to Complete	When you dick Finish, the deployme Deployment settings: OVF file: Download size: Size on disk: Name: Host/Cluster: Datastore: Disk provisioning: Network Mapping:	II:\Appliance\Endpoint Protector 4 Virtual Appliance\Endpo 708.6 MB 1.5 GB Endpoint Protector 4 Virtual Appliance localhost.intern.cososys.com datastore1 Thin Provision "VM Network" to "VM Network"
	✓ Power on after deployment	
Help		≤Back Finish Cancel

### 2.3. Implementing in Citrix XenServer 5.6 using OVF Format

- 1. Unzip the downloaded package
- 2. Start XenCenter



3. Go To File > Appliance Import



4. Select the OVF file

Xen OVF Appliance Import W	lizard	and the second s	×
Select an Applian	ce for Import.		•
Select Appliance EULA Home Server Storage Network Security Advanced Options Finish Progress	XenCenter can impor Select Appliance:	ort VMs from OVF Appliances into one of your Resource Pools or to a specific XenServer E:\Appliances\Endpoint Protector Server V100\Endpoint Protector S	
CITRIX			
This is *EXPERIMENTAL* cod	le.	< <u>P</u> revious <u>N</u> ext > Enish	Cancel

- 5. Press the Next button
- 6. Read and accept the EULA, then press Next
- 7. Select the target for this Virtual Appliance

Xen OVF Appliance Import V	Vizard						
Select target Xen	Servers	or Pools					0
Select Appliance EULA	Each VM in	Appliance can contain mult port targets:	tiple VMs. Select a target	Server or Pool fo	r each VM in the	Appliance.	
Home Server		VM		Se	erver		
Storage	•	Endpoint Protector Serv	er V100	xer	nserver-i		•
Network							
Security							
Advanced Options							
Finish							
Progress							
CITRIX							
This is *EXPERIMENTAL* cod	le.			< <u>P</u> r	revious <u>N</u>	<u>l</u> ext > <u>F</u> ir	nish Cancel

8. Select the storage location

Xen OVF Appliance Import Wi	zard						
Select target SRs							0
Select Appliance	For ea	ch VM with storage	e requirements in the Appl	liance select a targ	et SR.		
EULA Home Server	Storag	Server	VM	Disk Capacity	File name	SR	
Storage	•	xenserver-	Endpoint Protect	320.0 GB	Endpoint Protect	Local storage, 330.0 GB Ava	ilable 🔻
Network						P	
Advanced Options							
Finish							
rigicis							
CITRIX							
This is *EXPERIMENTAL* code	•.			(	< <u>P</u> revious <u>N</u> e	ext > Einish	Cancel

9. Select you network (keep default values)

Xen OVF Appliance Import	Wizard o connec	t VM.				<u>-</u> ×
Select Appliance	For ea	achVM with networking etwork targets:	requirements in the	Appliance select a targ	get Network.	
Home Server		VM	Network Name	MAC Address	Target Virtual Network	
Storage	•	Endpoint Protect	VMNetwork	00:00:00:00:00:00	Pool-wide network associated with eth1	-
Network		Endpoint Protect	VMNetwork	00:00:00:00:00:00	Pool-wide network associated with eth1	-
Advanced Options Finish Progress						
<b>CITRIX</b>						
This is *EXPERIMENTAL* co	de.				< Previous Next > Finish	Cancel

10.On Security Screen click on Next button

Xen OVF Appliance Import	Wizard	1 X
Select your impo	ort security settings	•
Select Appliance EULA Home Server Storage Network Security Advanced Options Finish Progress	Security settings allow you to validate the Appliance you are importing and to access the encrypted content.  Verify Digital Signature Verify the digital signature of the appliance is valid. This option will activate only if the appliance has been digitally signed.	
CITRIX		
This is *EXPERIMENTAL* co	nde. <u>Previous</u> <u>N</u> ext > <u>Fi</u> nish Ca	incel

11.On Advanced Options screen click Next

Xen OVF Appliance Import W	Vizard
Select advanced o	options for the Appliance import
Select Appliance EULA Home Server Storage Network Security Advanced Options Finish Progress	<ul> <li>Select Advanced options.</li> <li>Run Operating System Fixups.</li> <li>This option is used to fix the imported VM's operating system to boot properly on XenServer. This is commonly used when importing Windows and Linux operating systems originating from a VMware product.</li> <li>Installed Fixup ISO will be used.</li> </ul>
This is *EXPERIMENTAL* cod	de. <u>Previous</u> <u>N</u> ext > <u>Finish</u> Cancel

12.On the Finish Screen, review this configuration and click Finish

13.Wait for the import to be completed

Xen OVF Appliance Import V	Nizard	×
Select Appliance EULA Home Server Storage Network Security Advanced Options Finish Progress	XenCenter is now importing your Appliance. The progress of the import can be seen below. Import: Setting up transport mechanism for: Endpoint Protector Server V100.vmdk Processing: Endpoint Protector Server V100.ovf (Endpoint Protector Server V100)	
This is *EXPERIMENTAL* co	de. <u>Previous</u> <u>N</u> ext > <u>Bnish</u> Cance	2

At this point the virtual machine is ready to be started.

Please follow the Endpoint Protector Appliance User Manual from this point on.

# 3. Using the VMX format

There are several options to implement the Endpoint Protector Virtual Appliance using the OVMX format. The way to do this is explained below.

### 3.1. Implementing using VMware Server

- 1. Extract the downloaded Endpoint Protector Virtual Appliance package and move the files to the path where your virtual machines are stored
- 2. Open your VMware Server web interface and login

🗃 VMware Infrastructure We 🗙 🔶	
← → C	<b>ନ୍ଦ</b> 🕹
🐔 Google Translate   🎖 Googles 📲 Endpoint Protector 20 🛛 W Wikipedia 🔅 Wolfram Alpha	📋 Other bookmarks
VMware Infrastructure Web Access  Login Name: Password: Log In	

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  - 3. Select Add Virtual Machine to inventory



4. Browse in the inventory for Endpoint Protector Virtual Appliance and select the VMX file and press OK

🕢 VMware Infra	structure We × 🕒			
← → C (	127.0.0.1:8308/ui/#			1 A
🧞 Google Translat	e 🛂 Googles 🔳 Endpoint Protector	20 👿 Wikipedia 🛛 🜞 Wolfram (Alpha	a	Other bookmarks
🗿 VMware Infi	rastructure Web Access (vlad@	127.0.0.1)		
Applicat	h Add Existing Virtual Machine			🗙 ce   Log Out
Inventory vladp	Inventory	Contents	Information	
	<ul> <li>vladpc</li> <li>standard</li> </ul>	Endpoint Protector Virtual Ap	Name: Endpoint Protector	
	Endpoint Protecto		Modified: Dec 05, 2010, 4:14	
			Type: VM Config File (*.v	nventory
			Datastore: standard	tup/Shut
Task	<			red At 🔻
	File Type: VM Config (*.vmx)		T	
			OK Cancel	
<				>

At this point the Virtual Machine is ready to be started.

Please follow the Endpoint Protector Appliance User Manual from this point on.

### 3.2. Implementing using VMware Player

- 1. Extract the downloaded Endpoint Protector Virtual Appliance package and move the files to the path where your virtual machines are stored
- 2. Open VMware Player

🥸 VMware Player Eile → Virtual Machine → Help	×
Home	Welcome to VMware Player
	Create a New Virtual Machine Create a new virtual machine, which will then be added to the top of your library.
	Open a Virtual Machine Open an existing virtual machine, which will then be added to the top of your library.
	Upgrade to VMware Workstation Get advanced features such as snapshots, record/replay, teams, developer tool integration, and more.
	Help View VMware Player's help contents.
	vmware <sup>.</sup>

 Select Open a Virtual Machine and select the VMX file from the location where you extracted it and then click Open

Open Virtual	machine							
Look in:	Endpoint Prot	ector Virtual Applianc	æ 💌	0	🌶 🖻 🛄			
Recent Places Desktop Desktop Computer Computer Network	Name A	ector Virtual Appli	Date modified 12/6/2010 7:31	.AM	Type VMware virtual ma	schine configuration	• Size	<u>→</u> 3KB
	File <u>n</u> ame: Files of <u>type</u> :	VMware Configura	tion Files (*.vmx)			•		Open Cancel

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  - 4. After the Virtual Machine is in your inventory click Play Virtual Machine



5. If asked if the Virtual Machine was copied or moved, select moved (if it is the only Endpoint Protector Virtual Appliance in your network)



At this point the Virtual Machine is ready to be started.

Please follow the Endpoint Protector Appliance User Manual from this point on.

### Note!

Do not suspend the VMware Player while Endpoint Protector Virtual Appliance is running! Also, do not shut down your computer while VMware Player is running.

### 3.3. Implementing using VMware Workstation

- 1. Extract the downloaded Endpoint Protector Virtual Appliance package and move the files to the path where your virtual machines are stored
- 2. Open VMWare Workstation



3. Select Open Existing VM or Team

Open		a man and					X
Com Com	puter 🕨	Ioan-Work (D:) Ioan-Work (D:)		✓ 4 Search	Appliances		Q
Organize 🔻 New	folder						0
☆ Favorites	<b>^</b>	Name	Date modified	Туре	Size		
🧮 Desktop		🚰 Endpoint Protector Virtual Appliance.vmx	12/6/2010 8:38 AM	VMware virtual m	3 KB		
Downloads							
闫 Libraries							
Documents							
J Music							
Pictures							
Videos							
🖳 Computer							
🏭 Ioan-Sys (C:)							
👝 Ioan-Work (D:)							
👝 Ioan-Media (E:)							
🔮 CD Drive (F:)	-						
F	ile <u>n</u> ame	Endpoint Protector Virtual Appliance.vmx		▼ VMware	Workstation File	es (*.vn	-
				Оре	en (	ancel	

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  - 4. After the Virtual Appliance is in your inventory power on the Virtual Appliance



5. If asked if the Virtual Machine was copied or moved, select moved (if it is the only Endpoint Protector Virtual Appliance in your network)



The Virtual Machine is started and ready for use.

Please follow the Endpoint Protector Appliance User Manual from this point on.

# 4. Using the VHD format

There are several options to implement the Endpoint Protector Virtual Appliance using the VHD format. The way to do this is explained below.

### 4.1. Implementing using Microsoft Hyper-V 2012

- 1. Extract the downloaded Endpoint Protector Virtual Appliance .zip package
- 2. Start Hyper-V Manager
- 3. Select from the right-side box the option to Import Virtual Machine

1a	Hyper-V Manager	_ 🗆 X
File Action View Help		
🗢 🔿 🙍 🖬 🚺 🖬		
Hyper-V Manager	Ministral Manakin ar	Actions
WIN-2012DR2	Virtual Machines	WIN-2012DR2 •
	Name State CPU Usage Assigned Memory Uptime Status	New 🕨
	00	💫 Import Virtual Machine
	= HI	Hyper-V Settings
	Off	👯 Virtual Switch Manager
	Import Virtual Machine	🧕 Virtual SAN Manager
		💋 Edit Disk
	Before You Begin	Inspect Disk
		Stop Service
		X Remove Server
	Before You Begin This witzard helps you import a virtual machine from a set of configuration files. It guides you through	Refresh
	Locate Folder resouving coninguration problems to prepare the virtual machine for use on this computer.	View
	Select Virtual Machine	7 Help
	Choose Import Type	. ricip
	Summary	[??]Endpoint Protector 4.4.0.7 - VHD - 64B
		nect
		😰 Settings
		🕘 Start
		b Checkpoint
		P Move
		Export
		🛒 Rename
		Ex Delete
		1 Enable Replication
	Do not show this page again	12 Help
	< Previous           Next >         Finish         Cancel	
	Summary Memory Networking Replication	
L		

3.1 Select the folder containing the appliances' folders and files.

3.2 At the step "Choose Import Type" select the option to Copy the virtual machine (create a new unique ID)

<b>7</b>	Import Virtual Machine	¢
Choose Impo	ort Type	
Before You Begin	Choose the type of import to perform:	
Locate Folder	Register the virtual machine in-place (use the existing unique ID)	
Select Virtual Machine	$\bigcirc$ Restore the virtual machine (use the existing unique ID)	
Choose Import Type	<ul> <li>Copy the virtual machine (create a new unique ID)</li> </ul>	
Choose Destination		
Choose Storage Folders		
Summary		
	< <u>Previous</u> <u>Next</u> > Einish Cancel	

3.3 The "Connect Network" step will prompt with 2 errors, one for each Network Adapter. Ignore these and press Next, Next and then Finish.

2	Import Virtual Machine
Connect Net	work
Before You Begin Locate Folder Select Virtual Machine Choose Import Type Choose Destination Choose Storage Folders Connect Network Summary	This page allows you to connect to virtual switches that are available on the destination computer.         The following configuration errors were found for virtual machine 'Endpoint Protector 4.4.0.8         Virtual Appliance 64b VHD'.         Could not find Ethernet switch 'New Virtual Switch'.         Specify the virtual switch you want to use on computer "WIN-2012DR2".         Connection:       Realtek PCIe GBE Family Controller - Virtual Switch
	< Previous Next > Finish Cancel

- 4. The new Virtual Machine will appear in the Virtual Machines list.
- 5. Right click on the newly created Virtual Machine and select Settings.
- 6. Remove the two existing network adapters from the left side box

Settings for	
Endpoint Protector 4.4.0.8 Virtual Appli 👻	] ◀ ▶   Q
★ Hardware     ∧       ▲ Add Hardware     ↓       ▲ BIOS     Boot from CD       ■ Memory     2048 MB       ■ Processor     1 Virtual processor       1 Virtual processor     ■       ■ IDE Controller 0     ■       ■ Hard Drive     ■	Vetwork Adapter     Specify the configuration of the network adapter or remove the network adapter.     Virtual switch:     Not connected     VLAN ID     Enable virtual LAN identification     The VLAN identifier specifies the virtual LAN that this virtual machine will use for all     network communications through this network adapter.
Endpoint Protector 4.4.0.8 DE Controller 1 SCSI Controller SCSI Controller Not-connected Note connected COM 1 None COM 2 None None	Bandwidth Management  Bandwidth management  Specify how this network adapter utilizes network bandwidth. Both Minimum Bandwidth and Maximum Bandwidth are measured in Megabits per second.  Minimum bandwidth:  Miss  Maximum bandwidth:  Miss
Diskette Drive None     Management     Name     Endpoint Protector 4, 4, 0.8 Virt     Integration Services     Some services offered     Checkpoint File Location     C.1ProgramData/Microsoft/Win     Smart Paging File Location     C.1ProgramData/Microsoft/Win     Automatic Start Action     Restart if previously running     V	To leave the minimum or maximum unrestricted, specify 0 as the value. To remove the network adapter from this virtual machine, click Remove.     Remove     Use a legacy network adapter instead of this network adapter to perform a     network-based installation of the guest operating system or when integration     services are not installed in the guest operating system.
	OK Cancel Apply

7. Add two Legacy Network Adapters with the Add Hardware command.



### Note!

Remember to specify the configurations of the two Legacy Network Adapters so that their status will be changed from "Not Connected".

- 8. Click on Apply.
- 9. The Virtual Machine is now imported and ready to be configured.

Please follow the Endpoint Protector Appliance User Manual from this point on.

# 5. Virtual Appliance Setup Wizard

The Endpoint Protector Appliance (virtual or hardware) requires incoming traffic for ports 443 and 80 to be whitelisted from the firewall. They are used for:

- Endpoint Protector Server and Client communication: 443
- Mobile Device Management Cloud (cloud.endpointprotector.com): 443
- Live Update (liveupdate.endpointprotector.com): 80 & 443

To configuring the Endpoint Protector Appliance for the first time, fallow the steps below.

1. Press Continue when finished reading the End User License Agreement



2. Press Accept

Endpoint Protector 4.3.0.	4 Virtual Appliance [Running] - Oracle VM VirtualBo	
Endpoint Protector	Appliance - www.EndpointProtector.c	OM
	Endpoint Protector Appliance	
	Do you accept the terms	
	of the license agreement?	
	<pre><accept> &lt; Quit &gt;</accept></pre>	
		😫 🗗 🗐 🚺 🔗 🛡 Right Ctrl 🕢

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  - 3. Select Networking



4. The configuration methods are now available.

End	point Protector Appliance - Networking	1
IP Address	: 192.168.0.201	
Netmask	: 255.255.255.0	
Default Gatewa	y : 192.168.0.1	
Name Server(s)	: 192.168.0.1	
Interface conf	iguration method: Static IP	
DHCP	Configure Network automatically	
Static	IP Configure Network manually (recommended)	
	<pre></pre>	-

### Note!

We recommend a manual configuration of the network settings.

### 5.1.1 Manual configuration

1. Select Configure Network manually (recommended)

Endp	oint Protector Appliance - Networking	
IP Address	: 192.168.0.201	
Default Catavia		
Name Server(a)	· 172.100.0.1	
DHCP Static I	Configure Network automatically P Configure Network manually (recommended)	
	<pre>KSelect&gt; &lt; Back &gt;</pre>	

2. Set the IP Address, and Default Gateway (in our example we set the IP Address as 192.168.7.94 and the Default Gateway as 192.168.7.1).

Endpo int	Protector App	liance - Netwo	cking -	
Details				
IP Adres Netmask Default Name Ser Name Ser	s 192 : 255 Gateway : 192 ver : 192 ver :	.168.7.94 .255.255.0 .168.7.1 .168.0.1		
	(Analu)	(Poole )		
	<hpp1y></hpp1y>	(Back )		

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  - 3. Press Tab

Details IP Adress 192.168.7.94 Netmask : 255.255.0 Default Gateway : 192.168.7.1 Name Server : 192.168.0.1 Name Server :		or Appliance - Network	ing J
IP Adress         192.168.7.94           Netmask         : 255.255.0           Default Gateway :         192.168.7.1           Name Server         : 192.168.0.1           Name Server         :	Details		
	IP Adress Netmask Default Gateway Name Server Name Server	192.168.7.94 255.255.255.0 192.168.7.1 192.168.0.1	
	(App ]	<mark>J} ≺B</mark> ack >	

4. Press Enter

Endpo i	nt Protector Appliance - Networking
IP Address	192.168.7.94
Default Cateuru	
Name Server(s)	192 168 0 1
Interface configu	ration method: Static IP
DHCP Static IP	Configure Network automatically Configure Network manually (recommended)
•	(Select) (Back )

The virtual appliance now accessible from the configured IP Address. (in our example, https:// 192.168.7.94)

### 5.1.1. Automatic configuration

Select configure network automatically, and press Enter. The IP Address and Default Gateway will be configured automatically.

Endpo	oint Protector Ap	pliance - Networking	]
IP Address	: 192.168.0.201		
Default Gateway	: 192 168 A 1		
Name Server(s)	: 192.168.0.1		
DHCP Static I	Configure Netw Configure Netw	ork automatically ork manually (recommended)	
	(Select)	< Back >	-

# 6. Endpoint Protector Configuration

After assigning a static IP in the Endpoint Protector Setup Wizard, you can connect the Appliance to your network.

The Endpoint Protector User Interface can be accessed by going to the defined https address (e.g. default: <u>https://192.168.0.201</u>).

### 6.1. Login to Endpoint Protector

Please enter the user name and password defined in the Endpoint Protector Setup Wizard.

ENDPOINT 4 Reporting and Administr	ation Tool		Welcome Guest   Login
Louin	Device Control		^
Usermanne Password	Enforced Encryption	Authoritied Devices	
Logn	Content Aware Protection	Reporting and Analyzes	
	Strong DLP Policy Mobile Device Management		
		App Management	
Knitod Prove - Piol / Avenue Tatar Endpoint Protector 4 Copyright 2004 - 2016 Co5oSys Ltd. All rights reserved.	unong caesarity Policy	Paramind Encyclos Internet WigesLock	V No Background Tasks Version 4.5.0.1

The default username and password for Endpoint Protector are:

USERNAME: root

PASSWORD: epp2011

### 6.2. Configuration Wizard

To finalize the Endpoint Protector Configuration, some important basic settings and the default device control policy (Global Settings) have to be defined by following the steps in the Configuration Wizard.

	ENDPOINT 4	Decention and March 1					Welcome   Lopout
	PROTECTOR	Reporting and Adminis	stration 100			[tight v]	Advanced Search
	Dashboard	Endpoint Protector Appliance (	Configuration				
	General Dashboard System Overview System Status Live Update	Next	2	3	(4)	(3)	6
	Endpoint Management			Welcome to Endpoint Protect	or Appliance Configuration		
20	Endpoint Rights	You have completed the setup of your	Endpoint Protector Appliance at	nd you can now finalize the configuration b	ey defining some important basic settings	and the default device control policies (glob	al Settings and global
×	Endpoint Settings	Rights).					
0	Content Aware Protection			Time 2	lone		
8	EasyLock Enforced Encryption	Please select your timezone		Europe 👻 Berlin 🖂			
	Mobile Device Management	Next				skip this step nov	w - remind me later
	Offline Temporary Password						
1	Reports and Analysis						
	Alerts						
0	Directory Services						
	Appliance						
Endp	oint Protector 4 Copyright 2004 - 2016 (	CoSoSys Ltd. All rights reserved.				No Backy	round Tasks Version 4.5.0.2

### 6.3. System Settings

Some basic settings are required for the Endpoint Protector to function properly. Please choose what rights have priority, the E-mail address used to receive Alerts, the main Administrator contact, the Proxy Server Settings and more.

PROTECTOR	<sup>4</sup> Reporting and Administration <sup>3</sup>	Tool		[English v]	Q. Advanced Seen
Mobile Device Management	Default System Settings				
Offline Temporary Password	*Note: Endpoint Protector Server will require a w	orking Internet connection for this feature.			
Reports and Analysis	Proxy Server Settings				1
Alerts	Proxy Type:	None			
Directory Services	Authentication Type:	Basic			
Appliance	IP and Port: Username:		Example: 192.168.0.1:8080		
System Maintenance	Passwords	under and Device service in allow access in Reducist Deste	the line limite		
System Configuration			con one optimite.		
Client Software Client Software Upgrade	Test				
Client Uninstall System Administrators	Main Administrator Contact Details				
System Departments	Company Name:				
System Security System Settions	Administrator Name:				
System Licensing	Administrator Phone Number:				
System Parameters	Administrator E-mail:				
Support	Save				

Additionally, the Endpoint Protector Client Refresh Interval, the activated or deactivate features such as File Tracing and File Shadowing and the default parameters for the generated logs can also be configured.

By default, the recommended settings are already configured and they apply globally throughout entire network.

PROTECTOR	Reporting and Administration Tool					[English ↓] (	Advanced Sea
Dashboard	Management of Global Settings						
Endpoint Management	Node						
Endmint Pinhte	Refresh Interval (sec):	300					
s Endonie riedina	Hoder	Normal	×				
Endpoint Settings	The Transmound Chadansha						
Computer Settings	The tracing and shadowing						
Group Settings	File Tracing:		Removable Device	5	esata MDD	Network Share	
Global Settings	Pile Shadowing:	IA II	Removable Device	is and Other 🛛 🕐	Content Aware Protection	E-mail Body 🕜	
Custom Calmit Hourications	Exclude Extensions from File Tracing: 🔞	e.g.: .mp3;	.vob;.exe;				
Content Aware Protection	Exclude Extensions from Shadowing: 🕐	e.g.r.mp3;	.vob;.exe;				
EasyLock Enforced Encryption	Exclude Extensions from CAP Scanning: 🕐	e.g.: .mp3;	.vob;.exe;				
Mobile Device Management	Default Client Settings						
Offline Temporary Password	Log Interval (min):	30		Local Log Size ()	e):	10	
Reports and Analysis	Shadow Interval (min):	60		Shadow Size (M	5):	512	
Alexte	Min File Size for Shadowing (KB):	0		Max File Size for	Shadowing (VB):	512	
Mens	Removable Devices Recovery Folder Maximum Size (MB):	5000	0	Recovery Folder	Retention Period (days):	з	0
Directory Services	Notifier Language:	English		Use Custom Clie	nt Notifications for this Language:		
Appliance	Enable Advanced Printer and MTP Scanning						

### 6.4. Default Device Control Rights

As Endpoint Protector provides the Device Control module enabled by default, the use of USB devices and peripheral ports have the Global Rights preconfigured. They can be changed later at any time or they can be applied more granular (per device, computer, user or group).

PROTECTOR	Reporting and Administratio	an Tool				English	-30 C	-
Deshboard	Management of Global Rights							
Endpoint Management								
Contraction Biology	Corrently the system is using	g both computer and user rights, computer rights (	have priority.					
Deliferative advise	General							
Device Rights Jave Rights								
Computer Rights	Retort	Gabel						
Group Hights	Description:	Glidat Group including all the machines						
ukbel Rizho Effective Rights	Device Types (To view all supported dev	nces and rights, go to Device Types in System Parameters	0					
The Articlet	University Denice		Darty Access	(w)	* Burtoth		Alex Access	
indprint Settings	USD Starway Device		Derly Access	141	feeline.that		Deny Access	
content Aware Protection	Serversal CD or DHD RIV		Deny Access	(w)	Setal Port		Deny Access	
	Internal Card Reader		Deny Access	140	PCMC2A Device		Deny Access	
sasyLock Enforced Encryption	Internal Plaggo Drive		Cleny Access		Card Reader Device (MTD)		Deny Access	
Mubile Device Management	Local Presses		Deny Access	100	Card Reader Device (9030)		Deny Access	
	Vindova Partable Device (Media Ycanafer Pro	elecci)	Deny Access	14	29 Dive		Dany Access	
Offine Temporary Password	Digital Camera		Deny Access	4	Teeney Board		Deny Access	
Reports and Analysis	Baciderry		Deny Access	1	Trunslebolt		Deny Access	
	Hobie Planes (Sona Englan, etc.)		Otensi Accessi	100	Network Share		Allow Access	
Alerta	ImartPhone (LSB Sync)		Deny Access	1	Infrared Dungle		Deny Access	
Westery Services	Strat #hone Stindows CD		Deny Access	100	Parallel Part (UPT)		Deny Access	
	Stee Phone (Synthian)		Olehy Accese	-	(fun Cheni Shanape (FCP" (Ranape)		Abox Access	
Appliance	Velican		Deny Access	14	Additional Kaybuard		Alex Access	
Contern Maintenance	Aftere		Deny Access	- 14	LSB Muden		Abox Access	
	rwi .		Clehy Access	1	Android Smartphone (Media Transfer Protocol)		Dany Access	
System Configuration	Pol		Owny Access	10	Dip California		Alles Access	
System Parameters	Iserial ATA Earlt offer		Deny Assess Allers Acress	191				
Support						( Inclusion )	Proto da la	1
						- And a state of		ĩ
	Arrest times trains							
	S ine O	Restors terlaid Rights						

# 6.5. Finishing the Endpoint Protector Configuration Wizard

After following the above steps, the Endpoint Protector setup and configuration is completed. The next step is to deploy the Endpoint Protector Clients to the Windows, Mac and Linux computers that need to be protected.

# 7. Server Information and Maintenance

The Endpoint Protector Server Information and Maintenance Settings can be accessed from the Appliance section in the main menu.

### 7.1. Server Information

This section displays information about the Server current state.

PROTECTOR	Reporting and Adminis	tration Tool	Englan V		
Dashboard	Endpoint Protector Appliance -	System Information			
Endpoint Management	Disk Space		Info Disk Space		
Endersiet Diabite	Disk Space System:	3.4G - 19% from 20G	Please consider taking one of the following actions in System Maintenance tab if you have used up		
Endpoint regnts	Dek Space BPP Server:	928H - 5% from 22G	95% of the storage resources available on the appliance: I. Backup & Sma old or upmanded look by order to Cla Maintenance and relaction the publicle option.		
Endpoint Settings	Logs on Disk:	4.0K stored in /var/eppfiles/logs	<ol> <li>Back go a save do or unneced logs by going to He Hantenance and selecting the suitable</li> <li>Remove old or unneced logs by going to File Maintenance and selecting the suitable option.</li> </ol>		
	Shadows on Disk:	8.0K stored in /var/eppfiles/shadows	Alternatively, go to System Configuration > System Policies and:		
Content Aware Protection			<ol> <li>Disable or Change the granularity of your policies. Activating Pile Tracing / Shadowing under Gobal Settings will greatly affect your Server performance. It is recommended to activate Pile Trading / Pile</li> </ol>		
EasyLock Enforced Encryption			Shadowing for specific Computers. 4. Enable the Automatic Log Cleanup feature and Set the HDD Disk Space percentage at which the		
Mobile Device Management			process we begin		
Offline Temporary Password	Database Disk Space occupied				
ngana na pangana s	Database Disk Space occupied:	9.9M stored in /var/lib/mysql/eppdatabase			
Reports and Analysis	Number of Logs in Databases	0			
Alerts	Number of Files Traced:	0			
	Number of Piles Shadowed:	0			
Directory Services					
Appliance	system				
	Uptime:	11:00:01 up 7 days, 22:54, 0 users, load average	e: 0.13, 0.18, 0.13 - 1, 5 and 15 minutes ago		
Server Information Server Maintenance	Linux Distribution :	Ubuntu 14.04.5 LTS I			
SIEM Integration	System Information Update:	2016-Dec-02 11:00:01			

### 7.2. Server Maintenance

This section provides the option to configure the Appliance network settings, rebooting or shouting down the appliance and more.

Deshboard	Endpoint Protoctor Appliance - Server Materianae		
Endpoint Management	Time Jame		
a Endpoint Rights	Please select your threative	Europe (u) Berlin (u)	
Endpoint Settings	HTP Server	peak rep. ang Example : pool.rep.org	
Content Aware Protection	Annual and a synchronian Current server these	Over a veriti v 2010-10-00 10.04-00	
EasyLock Enforced Encryption	Sana Ayesteenaa	ne Richesh Currett Time	
Mobile Device Hanagement	P Confegeration		
Offine Temporary Peeeword	T billion	902, MAK, UR. 229	
Reports and Analysis	Grittever	192.168.14.1	
Alerts	Note: Nothing Network Carrige aton could stay comman	205.205.204.0 Aurolationers (PP Cients and Server)	
Directory Services	DIS Confineration		
Appliance	THE N	192, 198, 14, 1	
Server Education Server Mechanistics SET Deservation	DIS 2. *Note: At least one ONS should be cardiqueed. Bridgent Pro	the Applance repares a functional CPUS for aerolog e-wal alerts and for five update mechanism.	
System Hairtonance	fare		
System Cottiguration	Applance Operations		
System Parameters	Tabuet the Hardware Applance (	Felcost	
👌 Support	Shutdown the Hardware Appliance (	Shubbern	
	SBI Server		
	Inde	•	
	Onder	0	
	leve		
Instantial Productor & Constants 2014 . 20	Hi Caladra Liti Al Atha		Basic Verse (1)

### 7.3. Endpoint Protector Client Installation

The Endpoint Protector Client needs to be deployed on the computers in the network. They can be downloaded directly from the Appliance by accessing the static IP Address in a browser (e.g.: <u>http://192.168.0.201</u>). The Endpoint Protector Download section can be accessed through both HTTPS and HTTP, allowing a user that is not an Endpoint Protector Administrator to deploy it themselves.

If the Endpoint Protector Administrator is going to deploy the Client on the network computers, it needs to be saved on a location. Solutions like Active Directory or Apple Remote Desktop can be used to make the deployment easier.

		4 Reporting and Administrat	ion Tool			Weeners Lagest (types) () Advant Doort
	Deshboard	Endpoint Protoctor Appliance Confl	putation			Show all departments
	Endpoint Management	Endpoint Protector Clevel Installation				
2	Endpoint Rights	The Endpoint Protector Client can be inst	tailed on:			
×	Endpoint Settings	III materi		de me	∆ these	
0	Content Aware Protection					
#	EasyLock Enforced Encryption	Writesia as Windows #		Max (20.1 10.0 (phone (another ) Max (20.1 10.2 (phone)) Max (20.1 10.4 (block data) (phone)	Careful Carefu	
	Mobile Device Hanagement	Windows Wata		Mac OS X 10:9 (Maventita) Mac OS X 10:10 Proceeded	Radhat	
	Offline Temporary Peesword	Windows Berrier 2003/2008/2012		His OEX II. 11 (E Capitar)		
	Reports and Analysis	<ul> <li>Nindows (32bit version) - Hon</li> <li>Windows (Hdat version) - Hon</li> </ul>	Jan: 4.6.1.8 apr: 4.6.1.8	C Max 051 Version 1.5.14	Cherte for Linux distributions are only available an regulatif Submitt Required for Endpoint Productor Direct for Linux.	
4.0	Alerts					
0	Directory Services	Note: To install the client software,	please provide the Endpoint I	Protestar Server IP; Part and Department Code.		
	Appliance	Endpoint Protector Server 21	190, 198, 15, 225			
30	System Mointenance	Endpoint Protector Server Parts Department Code:	arting			
0	System Configuration		Pasance Server Sette	rgs on all downland pages		
	ClericLis/Invez ClericLis/Invez ClericLiserated	2 Downland				
	System Additionalisations Review Departments System Descrity System Sectory System Locarity System Locarity	Endpoint/Protoctor Client for Utilisations of Par more information, please refer its Ex-	n be diglayed over Active Directo Apriled Prestanter - Shar Codda	ар. 		
	System Parameters					
0	Support					
Inde	ini Protector 4 Courtsta 2004 - 2014	Collogue (all All optio reserve)				He Beckground Tasks - Version 45,52

### 7.4. Endpoint Protector Live Update

The Live Update feature allows checking online if Endpoint Protector updates are available. The process can be done manually or, if enabled, automatically. However, installing any available updates need to be done by the Endpoint Protector Administrator.

					Welcome ( Logout
U	PROTECTOR	Reporting and Administration Tool		[English v]	Q) Advanced Search
	Dashboard	Endpoint Protector Server - Live Update		Show	all departments
	General Dashboard System Overview	Important Notice			
	System Status Uve Update Endpoint Management	Endpoint Protector is required to connect now over HTTPS to www.endpointpro	Tector.com to receive information. If you do not agree with an Interne	t connection, you can choose not to procee	sd.
20	Endpoint Rights	Software Update			
X	Endpoint Settings	Most recent check for updates: 02 Dec 2016 : Undeter www.installed: 24Mew 2016	1134:41		
0	Content Aware Protection	Configure Live Update Check Now	Offline Patch Uploader		
8	EasyLock Enforced Encryption				
	Mobile Device Management	Available Updates			
	Offline Temporary Password	No updates available!			
	Reports and Analysis	View Applied Updates Update Until Now			
	Alerts				
0	Directory Services				
_	Appliance				
Endpo	oint Protector 4 Copyright 2004 - 2016	SoSya Ltd. All rights reserved.			Ready Version 4.5.0.2

# 8. Installing Root Certificate to Browsers

### 8.1. For Microsoft Internet Explorer

Open Endpoint Protector User Interface by accessing the IP address. (e.g. <u>https://192.168.0.201</u>).

If there is no certificate in your browser, the Certificate Error page will be prompted.



Continue your navigation by clicking W "Continue to this website (not recommended)".

Go to the Certificate file you downloaded from the Appliance Setup Wizard->Appliance Server Certificate> and install the Certificate.

Click the Certificate Error button just next to the IE address bar as shown.

By clicking the "Certificate Error" button, a pop-up window appears. Just click the "View certificates" in that pop-up window.

Another pop-up Certificate window will appear with three tabs namely "General", "Details" and "Certification Path".

Select the "General" tab and then click "Install Certificate..." button or go to Tools > Internet Options > Content >Certificates.

General	Security	Privacy	Content	Connections	Programs	Advand
Parent	al Controls					
	Contro be view	l the Inte wed.	rnet conte	nt that can	Parental C	ontrols
Conter	t Advisor	2				
Q	Rating	s help you I on this c	u control th omputer.	e Internet co	ntent th <mark>a</mark> t ca	n be
			E	hable	Sett	ings
AutoCo	Clear <u>S</u> SL	state	<u>C</u> ert	ificates	Pu <u>b</u> lish	ers
	on wel	omplete s opages an J.	tores previ id suggest:	ous entries s matches	Settin	gs
Feeds a	and Web Sl	ices —			9	
4-	Feeds	and Web	Slices proves that	ide updated t can be	Settin	gs

From the Certificates list, select "Trusted Root Certification Authorities" and click on the "Import" button.

Frusted Root Certification Authorities Trusted Publishers Untrusted Publishers			
Issued To	Issued By	Expiratio	Friendly Name
AddTrust External Certum CA Class 3 Public Prima Class 3 Public Prima Copyright (c) 1997 DigiCert High Assur Entrust.net Secure Equifax Secure Cer GlobalSign Root CA	AddTrust External CA Certum CA Class 3 Public Primary Class 3 Public Primary Copyright (c) 1997 Mi DigiCert High Assuran Entrust.net Secure Se Equifax Secure Certifi GlobalSign Root CA	5/30/2020 6/11/2027 8/2/2028 1/8/2004 12/31/1999 11/10/2031 5/25/2019 8/22/2018 1/28/2028	USERTrust Certum VeriSign Class 3 VeriSign Microsoft Timest DigiCert Entrust GeoTrust GlobalSign
Import Export	<u>R</u> emove		<u>A</u> dvance

A Welcome to the Certificate Import Wizard pops up. Just click the Next button.

Certificate Import Wizard	
	Welcome to the Certificate Import Wizard This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store. A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network continuections. A certificate store is the system area where certificates are kept. To continue, click Next.
	< Back Next > Cancel

Browse for the Certificate file you downloaded from the Appliance Setup Wizard > Appliance Server Certificate.

File t	o Import	
S	pecify the file you want to import.	
E	ile name:	
[	Browse	
٢	lote: More than one certificate can be stored in a single file in the following formats:	
	Personal Information Exchange- PKCS #12 (.PFX,.P12)	
Cryptographic Message Syntax Standard-PKCS #7 Certificates (.P7B)		
Microsoft Serialized Certificate Store (.SST)		
earn	more about <u>certificate file formats</u>	

In the Certificate Store window, select "Place all certificates in the following store" radio button.

Certificate Import Wizard	3
Certificate Store Certificate stores are system areas where certificates are kept.	
Windows can automatically select a certificate store, or you can specify a location for the certificate.	_
Automatically select the certificate store based on the type of certificate	
Place all certificates in the following store:     Certificate store:	
Trusted Root Certification Authorities Browse	
Learn more about <u>certificate stores</u>	
< Back Next > Cancel	

Another "Completing the Certificate Import Wizard" pops up. Just click the "Finish" button.

Completing the Certificate Import Wizard The certificate will be imported after you dick Finish.	
You have specified the following s Certificate Store Selected by Us	settings: er Trusted Root Certifica
Content File Name	Certificate C: \Users\Anca\Desktr
< III	

A Security Warning window pops up. Just click "Yes".



You have now successfully installed the Certificate.

Close the Internet Explorer browser and try accessing the Endpoint Protector IP address again.

ENDPOINT PROTECTOR 4 Heporting and Adres	station Teel	Patient Sand 1998
	<complex-block></complex-block>	
Endpant Printmen (Transport (10) - 2011 Coldman (4) -10 open manumal		is beyond from some side (

### 8.2. For Mozilla Firefox

Open the Browser.

Open Endpoint Protector User Interface by accessing the IP address. (e.g. <u>https://192.168.0.201</u>).

If there is no certificate in your browser, the Certificate Error page will be prompted.



From the above screenshot This Connection is Untrusted, choose I Understand the Risks. Click Add Exception.

Security Warning window pops up. Click Get Certificate and then the Confirm Security Exception button.

Little and a second	•	×
A https://192.168.0.167/     A Yahoof Search	습·(연)(생- Google SKARCH · + : · · · · · · · · · · · · · · · · ·	P 🖈 🗗
	Add Security Exception You are about to override how Firefox identifies this site. You are about to override how Firefox identifies this site. You have asked Firefox to contention is secret. Normally, when you try to care going to the right place What Should I Do? Hyou usually connect to the impersonate the site, and you content to the secret. Get me out of herei Technical Details I Understand the Ris	
	If you understand what's go you trust the site, this erro Don't add an exception unle identification. Add Exception. Confirm Security Exception Cancel	

Close the browser and start it again.

ENDPOINT PROTECTOR		fetare last tage
	Image: Control of Contro	
Chalquard Protocolse & Coppright 2014 - 2010 Excluding (at: Air spins manned		Designment Trains Valence 4.5.5.2

# 9. Hardware Appliance Setup

### 9.1. Endpoint Protector Appliance Delivery

When receiving the Endpoint Protector Appliance the package contains:

- Endpoint Protector Appliance
- Power Cable
- Crossed Network Cable for the initial Appliance Setup (yellow sticker) (not included with A20 model)
- Network Cable for connection of Appliance with your network
- Rack Mount Screws (not included with A20 model)
- Extractable assembly rails (included in A250, A500, A1000, A4000 models only)
- External power supply (only included and required for A20)



### 9.2. Connecting Appliance for Initial Setup

Connect the power cable to the appliance and a power outlet.

For the A20 appliance connect the external power supply to the A20 and the power outlet. Next, connect the blue cable to the A20 network port and then to the network.

Your hardware appliance (models A50 to A4000) contains on the backside two network ports that are marked yellow for CONFIG (configuration connection) and blue for NET (network connection). The A20 hardware appliance has one network port.

Connect the CROSSED Network Cable (yellow sticker) to the configuration network port CONFIG (yellow marked) on the back of the appliance and connect it directly to a PC (a Laptop, PC, Netbook).

Start the Appliance by pushing the POWER button.

### 9.3. Hardware Appliance Back and Front Panel

### 9.3.1. A20 Appliance Back Panel



### 9.3.2. A50 and A100 Appliance Back Panel



The back panels for Models A250 up to A4000 have marked network ports similar to the picture above for the A50 and A100 model.

### 9.3.3. A20 Appliance Front Panel

Power Button



### 9.3.4. A50 and A100 Appliance Front Panel



### 9.3.5. A250, A500 and A1000 Appliance Front Panel





### 9.3.6. A2000 - A4000 Appliance Front Panel

### 9.4. A2000 / A4000 Appliance HDD Configuration

### 9.4.1. A2000 Appliance HDD Configuration



The A2000 Appliance comes with 4 HDDS in RAID 5 Configuration. The HDDs are installed in the number order 0-3.

In case of a HDD failure a HDD can be replaced by changing it with the same model HDD.

Each HDD bay features a blue and red LED to indicate drive status. A blue indicator symbolizes a healthy hard drive, a red indicator a bad hard drive. A faulty hard drive should be replaced immediately by an identical model.

### 9.4.2. A4000 Appliance HDD Configuration



The A4000 Appliance comes with 6 HDDS in RAID 5 Configuration. The HDDs are installed in the number order 0-5.

In case of a HDD failure a HDD can be replaced by changing it with the same model HDD.

Each HDD bay features a blue and red LED to indicate drive status. A blue indicator symbolizes a healthy hard drive, a red indicator a bad hard drive. A faulty hard drive should be replaced immediately by an identical model.

### 9.4.3. A2000 and A4000 Appliance HDD RAID Additional Software

The A2000 and A4000 appliance have an additional configurable software from 3Ware ® preinstalled with which you can use as administrator to be warned of possible errors on one HDD by an e-mail notification. More information on configuring this additional software can be found in the Appendix to this User Manual for the "3ware 3DM ® 2 ® User Manual.

### 9.5. Hardware Appliance Setup Wizard

The Hardware Appliance Setup Wizard will guide you through the Endpoint Protector Hardware appliance setup.

The easiest way to configure the Endpoint Protector Hardware Appliance is to connect a mouse, keyboard and monitor directly to it. This will prompt the same Setup Wizard as described in the chapter above Virtual Appliance Setup Wizard.

# 10. Support

Additional support resources as available. Please visit our website for more manuals, FAQs, videos and tutorials, direct e-mail support and more at <u>www.endpointprotector.com</u>

Our Support department can also be contacted directly from the Endpoint Protector User Interface from the Support > Contact Support section. One of our team members will contact you in the shortest time possible.

-			Welcome   Logout	
	ENDPOINT 4	Reporting and Adr	ninistration Tool	Ergish 🔍 🔍
-				Advarced Search
0	Content Aware Protection	Contact Support		
8	EasyLock Enforced Encryption	Support Form		
	Mobile Device Management	Sender E-exail *		
	Offline Temporary Password	Company Name	CoSaSys	
	Chine Temporary Passivoru	Subject		
<u> </u>	Reports and Analysis	Content	Please describe here your problem or your suggestions!	
۸	Alerts			
0	Directory Services			
_	Appliance			
*	System Maintenance			
٥	System Configuration	Send		
	System Parameters			
0	Support			
	User Manual MDM User Manual AD Deployment Guide			
Fodo	vint Protector & Convrisht 2004 - 2016	CorSorSup 114 All rights reserved		No Rackmond Tests - Mexico 4.5.0

Even if you do not have a problem but miss some feature or just want to leave us a general comment, we would love to hear from you.

# 11. Disclaimer

Endpoint Protector Appliance does not communicate outside of your network except with liveupdate.endpointprotector.com and cloud.endpointprotector.com.

Endpoint Protector does not contain malware software and does not send at any time any of your private information (if Automatic Live Update Reporting is DISABLED).

Each Endpoint Protector Server has the default SSH Protocol (22) open for Support Interventions and there is one (1) System Account enabled (epproot) protected with a password. The SSH Service can be disabled at customers' request.

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.

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