ESET Tech Center

Knowledgebase > Legacy > Legacy ESET Remote Administrator (6.x / 5.x / 4.x) > 6.x >Migrate from ERA Proxy (Linux or Virtual Appliance) to Apache HTTP Proxy in ESMC 7

Migrate from ERA Proxy (Linux or Virtual Appliance) to Apache HTTP Proxy in ESMC 7

Anish | ESET Nederland - 2025-03-07 - Comments (0) - 6.x

Issue

- You have an ESET Remote Administrator (ERA) 6.x environment running with an ERA Proxy on a Virtual Appliance, and you want to upgrade to ESET Security Management Center (ESMC) 7, which does not support ERA Proxy
- You want to enable an Apache HTTP Proxy on a Virtual Appliance to substitute the role of an ERA Proxy in ESMC7
- Are you using an ERA Proxy on a Windows host?

Details

ESMC 7 introduces a new generation of the agent/server communication protocol. The new replication protocol uses TLS and HTTP2 protocols so it can go through proxy servers. There are also new self-recovery features and a persistent connection that improves overall communication performance.

ERA Proxy 6.x users

The new communication protocol does not support a connection using ERA Proxy 6.x.

ESET provides a pre-configured Apache installer. The user can also use other proxy solutions (besides Apache HTTP Proxy) that fulfill the following conditions:

- Can forwardSSLcommunications
- SupportsHTTP CONNECT
- Can work without authentication (the ESET Management Agent does not support authentication with proxy)

The configuration of other proxy solutions is not provided or supported by ESET. Other solutions may not support caching of ESET Dynamic Threat Defense (EDTD) communications.

The ESMC 7 Virtual Appliance contains a correctly pre-configured Apache

HTTP Proxy. We recommend you use the new appliance instead of upgrading the old one. Solution

Connection limitations

- The ERA 6.x Proxy component is discontinued in ESMC 7.
- ERA 6.x Agents can connect to the ESMC 7 Server.
- The ESET Management Agent 7 cannot connect to the ESMC Server via ERA Proxy or the ERA 6.x Server.
- Do not upgrade ERA 6.x Agents before a proper proxy solution is set up.
- It is not possible to run theAgent deployment taskon clients with an ESMC Server. The Agent deployment task can only reach the ESMC Server using Apache HTTP Proxy.

I. Prepare your ERA 6.x environment

- 1. Back up your ERA Server (for example, backup database, CAandcertificates).
- 2. Upgrade your ERA Server to ESMC 7via aRemote Administrator Components Upgrade Task. This task updates the server, agent and web console. When assigning a target for the task, only select the machine with the ERA Server.
- 3. Wait approximately 24 hours to verify the upgraded environment runs smoothly.





II. Deploy the new Virtual Appliance and connect it to your ESMC Server

To keep your proxy safe and well configured, replace your old ERA Proxy - Virtual Appliance with the new version. ESMC 7 does not provide a standalone proxy configuration as ERA 6.x did. We recommend you deploy a new ESMC Server - Virtual Appliance. The new server is not used as an administrative server, but a proxy. The correctly configured Apache HTTP Proxy is included in the ESMC 7 Virtual Appliance download.

- 1. Download the ESMC 7 Virtual Appliance.
- 2. Deploy the ESMC 7 Virtual Appliance on your hypervisor.
- 3. Configure the new Appliance as an ESMC Server.

- You will be prompted for the new password later in the process.
- $\circ~$ Enable HTTP Forward Proxy during the configuration.
- Reinstall the ESET Management Agent on the appliance and connect it to the main ESMC Server. Open the virtual machine with your ESMC Virtual Appliance → Enter Management mode→ enter your password →Login→ Exit to terminal.

```
2. The Agent installer is located at:/root/eset_installers/Agent-Linux-
x86_64.sh
We recommend you use the server-assisted installation. For example:
/root/eset_installers/Agent-Linux-x86_64.sh \
--skip-license \
--hostname=10.1.179.36 \
--port=2222 \
--webconsole-user=Administrator \
```

--webconsole-password=aB45\$45c $\$

```
--webconsole-port=2223
```

•

Replace the hostname and password values with actual values from the main ESMC Server. For more information, refer to theAgent installation - Linuxtopic in the ESMC Online Help Guide.



 If required, you can stop certain services on the new appliance to save resources. In the Terminal, run the applicable commands:

System V init	Systemd			
service eraserver stop	systemctl stop eraserver			

System V init	Systemd
service mysql stop	systemctl stop mysql
service tomcat stop	systemctl stop tomcat

To prevent ESMC and MySQL services from starting after reboot, disable them:

Systemd

systemctl disable eraserver systemctl disable mysql systemctl disable tomcat

- Modify the Apache HTTP Proxy configuration file /etc/httpd/conf.d/proxy.conf.Use thenanoeditor in the Terminal or access the file usingWebmin. For nano, use the following command:
 - nano /etc/httpd/conf.d/proxy.conf
 - If you have changed the default port (2222) for the agent, find the lineAllowCONNECT 443 2222 and change 2222 to the number of your port.
 - Add the hostname or IP address of your ESMC Server to the configuration file. The hostname you add must be exactly the same as the hostname agents use to connect to the ESMC Server. You can also add aProxyMatch expression.
 - 3. Close the file and save the changes.
 - 4. Restart the Apache HTTP Proxy service.

systemctl restart httpd

3. Open the ESET Security Management Web Console(ESMC Web Console) in your web browser and log in. If the new agent is connecting, use it for future maintenance of the proxy machine.

III. Assign a transition policy to a test client

1. In the ESMC Web Console click Policies \rightarrow New Policy.

(65]eī	SECURITY MANAG	EMENT CENTER			G ▼ Computer Name	8 0 × B
			Policies :	ACCESS GRO	DUP Select 🗐	SHOW UNASSIGNED 🔽 🔯 Ali (35)	
Ģ	9		Policies	Tags		ADD FILTER	PRESETS ♥ C
4			∧ All		NAME	POLICY PRODUCE TAGS	DESCRIPTION
ž			 Custom Policies ESET Manage 		HTTP Proxy usage	ESET Endpoint f	ESET Security Pr
Ŀ			 Built-in Policies 	•	HTTP Proxy usage	ESET Endpoint f	ESET Security Pr
Ē			ESET Endpoir	- F	HTTP Proxy usage	ESET Managem	ESET Managem
© ^		Policies Computer Users	l ESET Endpoir		HTTP Proxy usage	ESET File Securit	ESET File Securit
å		Notifications	ESET File Sec	- H	HTTP Proxy usage	ESET Shared Loc	ESET Shared Loc
- 8			ESET Full Dis		Seneral - Maxi	ESET Endpoint f	ESET Security Pr
1			© ESET Vail Se ▼		General - Balanc	ESET Endpoint f	ESET Security Pr
			Tags 🔎		General - Maxi	ESET Endpoint f	ESET Security Pr
					Application rep	ESET Managem	ESET Managem
					Connection - Co	ESET Managem	Agent default re
			\bigcirc		Connection - Co	ESET Managem	Replication inter
			\sim		Connection - Co	ESET Managem	Replication inter
			This is where you can see the		General - Max	ESET Virtualizati	The most secure
list of your applied tags to a public Star				General - Reco	ESET Virtualizati	Recommended	
	and quickly hiter them.		□ A	Antivirus - Balan	ESET Endpoint f	ESET Security Pr	
€	0	COLLAPSE		ACTIONS	VEW PO	ucy	[⊲ ⊙ 1 ⊙ 🖨

Figure 3-1

1. Type aName for the policy.

eset	SECURITY MANAG	EMENT CENTER		G ▼ Computer Name	
		New Policy			
G		Policies > New Policy			
▲			Name		
		Basic			
		A Settings	New Policy		
		Assign	Description		
0	Policies	Summary			
ŵ			Tags Select tags		
	Status Overview		select lags		
1					
	COLLAPSE		BACK	UE FINISH CANCEL]

Figure 3-2

- 1. ClickSettings, select ESET Management Agent.
- 2. In theConnectionsection, next to Server connects to,clickEdit server list.

eser	SECURITY MANAGE	EMENT CENTER		G ♥ Computer Name	°_ 0	⊿ ^ ⊡
		New Policy				
G		Policies > New Policy				
A		3/				? ^
		Basic Settings	C Type to search	jent		ſ
		Assign Summary		_	(4)	
© ~	Policies Computer Users		 ○ ● ≁ Servers t ○ ● ≁ Data lim 		t server list	MB
	Notifications Status Overview		O ● ∳ Connect	tion interval Cha	inge interval	
1			R R/1 * * *	*?*		
			O ● ∮ Certifica	ite Cha	inge certificate	
			+ UPDATES		0 • +	
			ADVANCED	SETTINGS	0 • +	
						*
	COLLAPSE		BACK CONTINU	UE	CANCEL	

Figure 3-3

1. ClickAdd.

eser	SECURITY MANAGEN	MENT CENTER		Computer N	ame	8 0 S	R E
	Edit Policy Policies > Edit Policy	Servers Server	Port	? 🗆 X			
▲ ≍	Basic Settings				search		?
1 1 0	Assign Summary				er list 🖧 A	ppend •	
* @ & #					nterval		
¥* ••• >		Add Edit	Remove 🗶 🔺	▼ ▼	ertificate		
				Save Cancel		0 • /	
		BACK	INTINUE	SAVE AS CANCEL			



1. In theHostfield, type the applicable address (the address must match what the agent uses in the configuration) of your ESMC Server and clickOK.

ese	SECURITY MANAG	EMENT CENTER	Gr ⊂ Computer N	
		Ne Servers	? 🗆 X	
G		Polic Add	? 🗆 X 🛛	
A				
ž		B Host	2222	· ? ^
Þ				
			Ok Cancel	0 • 4
۲			OK Concer	Edit server list
8				1 MB
Φ				
8-				Change interval
		Add Edit Remove	* * *	Change certificate
			Save Cancel	0 • 4
			ADVANCED SETTINGS	0 • +
				•
E	COLLAPSE		BACK CONTINUE FINISH	

Figure 3-5

1. ClickSave.

s	ervers					? 🗆 X
	-					
	Server 127.0.0.1			Port 2222		Q
	127.0.0.1			2222		
	Add	Edit	Remove	*	•	Ŧ
	1122					
					Save	Cancel
					and the second second	

Figure 3-6

1. In thePolicy settingsdrop-down menu, select Append.

New Policy Policies > New Policy			
Basic Settings	ESET Management Agent	✓ Q, Type	? e to search
Assign Summary	CONNECTION C f Servers to connect to C f Joint	Edit server 1	■ ● ● ● list ⁰ / ₀ Replace ● Policy settings Replace ● Append Prepend

Figure 3-7

1. ClickAdvanced Settings. In the HTTP Proxysection, selectDifferent Proxy Per Service from theProxy Configurationdrop-down menu.

(ESet)	SECURITY MANAGEMEN	TCENTER	G マ Computer Name			B
	Edit Policy Policies > Edit Policy					
A	Basic	ESET Management Agent	Q. Type to search		?	*
2 2	Settings			•••		
i Î	Assign Summary	+ UPDATES		0 • +		
© ×		ADVANCED SETTINGS		2 0 • 4		
ф ዮ		HTTP PROXY		rvice 🗸		
□		 O ● ∮ Global Proxy O ● ∮ Replication (to ESMC Server) 	B ≥ 7.0 Global Proxy Different Proxy Per Ser Edit	rvice		
		O ● ∲ ESET Services (updates, packages, teleme	etry) Edit			
		WAKE-UP CALL			0	
			1237			
		COMPATIBILITY O • F Port for older ESET products	2225		0	•
۵		BACK CONTINUE FINISH SAV	VE AS			

Figure 3-8

1. Next toReplication (to ESMC Server), clickEdit.

eser	SECURITY MANAGEMEN	T CENTER Gov Computer Name & S	4 8	Ξ
	Edit Policy Policies > Edit Policy			
▲ ≝	Basic	ESET Management Agent Q. Type to search	?	
	Settings			
	Assign Summary	UPDATES O • +		
		ADVANCED SETTINGS		1.1
¢		HTTP PROXY		
		○ ● / Proxy Configuration Type (B≥7.0) Different Proxy Per Service		
<u> </u>		O ● ∮ Global Proxy (B≥7.0) Edit		
		○ ● ∳ Replication (to ESMC Server) (0 ≥ 7.0 Edit		
		O ● ∲ ESET Services (updates, packages, telemetry) Edit		
		WAKE-UP CALL	0	
		WARE-OF CALL	0	
		○ ● ∲ UDPv6 Port 1238		
		COMPATIBILITY		
		O ● ∲ Port for older ESET products 2225	0	*
Ð		BACK CONTINUE FINISH SAVE AS CANCEL		

Figure 3-9

1. Enable theUse proxy server. In the Host field, type the IP address of the proxy machine. In thePortfield, leave the default value (3128), and clickSave.

Replication (to ESMC Server)	? 🗆	ıх
Use proxy server Host	127.0.0.1	
Port	3128	
Username		
Password	Show password	
Use direct connection if HTTP proxy is not	available 🗸	
	Save	el



1. ClickFinish to save the policy. Do not assign it to a computer yet.

IP Addresses

It is necessary to have both IP addresses in one list applied to the client. If the agent does not have this information in the policy, it is unable to connect to the proxy and the ESMC Server after the upgrade. Such an agent must be fixed manually by running a repair installation and using the correct ESMC Server address. If the HTTP Proxy setting is not applied in the policy, the agent is able to connect the ESMC Server.

(ESet)	SECURITY MANAGEMEN	TCENTER	G マ Computer Name	° _ 0	^	Ξ
	Edit Policy Policies > Edit Policy					
▲ ∞	Basic	ESET Management Agent	Q. Type to search		?	A.
4 E E © ~ ¢	Settings Assign Summary		•••			
		UPDATES				
		ADVANCED SETTINGS	2	0 • +		
		HTTP PROXY				
		 Proxy Configuration Type 		ce 🗸		
· … >		O ● ∳ Global Proxy	(e ≥ 7.0) Edit			
		○ ● ∻ Replication (to ESMC Server)	(0 ≥ 7.0) Edit			
		O ● ∮ ESET Services (updates, packages, telemet	try) Edit			
		WAKE-UP CALL			0	
		O ● ∲ UDPv4 Port	1237			
		O 🔿 🗲 UDPv6 Port	1238			
		COMPATIBILITY				
		○ ● ✓ Port for older ESET products	2225		0	-
I		BACK CONTINUE FINISH SAVE	E AS			

Figure 3-11

- 1. Choose one computer that is connected via ERA Proxy and assign the new policy to that test client.
- 2. After a few minutes, verify the computer is still connecting to the ESMC Server.

IV. Upgrade ERA Agents on client computers

- 1. Run aSecurity management Center Components Upgrade Task.
- 2. Verify the client is connected to the ESMC Server. Continue upgrading the remaining clients.

Upgrades and troubleshooting

If you have a more extensive network, begin the upgrade with departments that include IT experienced users or those who are physically closer to their computers to make troubleshooting easier.

1. Apply the policy from part III to the other computers connected via the ERA Proxy.



- 1. After the policy is applied, verify all clients are connecting to the ESMC Server.
- 2. Run aSecurity management Center Components Upgrade Task.
- 3. If all clients are connecting to the ESMC Server after the upgrade is finished, proceed to section V below.

V. Remove the ERA Proxy address from the list of servers

- 1. Open the ESET Security Management Web Console(ESMC Web Console) in your web browser and log in.
- 2. Click Policies, select the applicable policy and clickEdit.

ESET Security Management Cer	t × +				- 1	0 ×
← → C ▲ Not secure	localhost/era	a/webconsole/#id=POLICIES			\$	0 :
Apps 🍼 ESET Endpoint Encr.						
(ESET) SECURITY MA	NAGEME	NTCENTER		Gr ⊂ Computer Nam	ne de a a	× E
Policies	:	ACCESS GROUP Select	SHOW UNASSIGNED 🔽	Tags	PRESETS	- - -
Policies		ADD FILTER				
All ^ All	î (NAME	POLICY PRODUCT	TAGS	DESCRIPTION	0
Custom Polici	· · · · · · · · · · · · · · · · · · ·	Logging - Log importa	ESET Endpoint for V	fin	Policy ensures that war	
O Built-in Policie	s (Antivirus - Balanced	ESET Endpoint for W	/in	Security configuration r	
🖴 💿 ESET Endp	oint for A	Antivirus - Maximum s	ESET Endpoint for W	/in	Taking advantage of m	
ESET Endp		Visibility - Balanced	ESET Endpoint for W	/in	Default setting for visib	
へ 図 ESET Endp		Visibility - Invisible mo	de ESET Endpoint for W	/in	Disabled notifications,	
Preset Full C	Disk Encry	Visibility - Reduced int	e ESET Endpoint for V	/in	Disabled statuses, disa	
ESET Mail	Security fi *	Antivirus - Real-time s	c ESET File Security fo	r W	Optimized performanc	
Tags	م ا	Antivirus - Maximum s	ESET File Security fo	r W	Taking advantage of ad	
		Visibility - Silent mode	ESET File Security f	Actions	Suitable for multi-user	
		Cloud-based reputatio	ESET Endpoint for	i Show Details + New	Enables ESET LiveGrid	
		Cloud-based reputatio	ESET Mail Security	⊘ Tags	Enables ESET LiveGrid	
		Cloud-based reputatio	ESET File Security f	C Edit	Enables ESET LiveGrid	
This is where you	can	Encrypt all disks - Reco	ESET Fun Disk Encr	Change Assignments	Enables full disk encryp	
see the list of yo applied tags ar	bur	Encrypt boot disk only	ESET Full Disk Encr	會 Delete	Enables full disk encryp	
quickly filter the		New Policy	ESET Management	Export Access Rights		
=			ICY	Access Group	K @ 1	0

Figure 5-1

- 1. ClickSettings.
- 2. In thePolicy settingsdrop-down menu, selectReplace.
- 3. ClickFinishto save and apply the policy.

(Internet Security MAN)	AGEMENT CENTER	lame o ^o ③ A E
Edit Policy		
▲ Basic	ESET Management Agent Q. Type to	search?
Assign	CONNECTION ○ ● ∲ Servers to connect to Edit server ○ ● ∲ Data limit	er list Append - Policy settings Report
ی بن ج	Connection interval Change i RR/1***7*	Prepend
17 >	O ● ∮ Certificate Change of	certificate
	+ ADVANCED SETTINGS	0 • 4
	(5)	
	BACK CONTINUE FINISH SAVE AS CANCEL]

Figure 5-2

1. Remove the ERA Proxy Virtual Appliance (remove the virtual machine from the hypervisor).

