Import Roaming Agents Relay Certificates on Console Server

The Roaming Agents Relay (RAR) client certificate (**EcatRelayClient.pfx**) and CA certificate (**EcatRelayCA.cer**) must be imported on the Console Server system in order to properly encrypt and verify communication with RAR.

 Certificates must be imported to the certificate store for the local machine, not the currently logged in user. To access the certificate store for the local machine, open the Run dialog and execute MMC to open the Management Console. Under the File menu select Add/Remove Snap-in.

-							Console1	[Console Root]			_		x
	File	Action	View	Favorites	Window	Help						-	5 ×
\$		New			Ctrl+N								
		Open			Ctrl+O	e			A	ctions			
		Save			Ctrl+S		There are no items t	o show in this view.	0	Console Root			•
r		Save As			<u></u>					More Actions			•
		Add/Kem	ove Sna	ip-in	Ctrl+M								
		Recent Fil											
		Evit	c										
		LAIL]							
Enal	oles y	ou to add	snap-in	s to or rem	ove them fr	om the sn	ap-in console.						

2. Select **Certificates** from the left pane and click **Add**.

Console Root	You can select snap-ins for t extensible snap-ins, you can Available snap-ins:	his console from t I configure which e	hose exten	available on your computer and configure t sions are enabled. Selected snap-ins:	the selected set of snap-ins. For	
	Snap-in	Vendor	~	Console Root	Edit Extensions	
	ActiveX Control Authorization Manager	Microsoft Cor Microsoft Cor Microsoft Cor			Remove	
	Component Services	Microsoft Cor Microsoft Cor	=		Move Up	
	Device Manager	Microsoft Cor			Move Down	
	Disk Management	Microsoft and		Add >		
	Event viewer	Microsoft Cor				
	Group Policy Object	Microsoft Cor				
	IP Security Monitor	Microsoft Cor				
	BIP Security Policy M	Microsoft Cor				
	Link to Web Address	Microsoft Cor			Advanced 1	
	Kocal Backup	Microsoft Cor	×		Advanced	
	Description:					
	The Certificates snap-in allo	ows you to browse	the	contents of the certificate stores for yours	elf, a service, or a computer.	

3. Choose Computer account and click Next

-	Console1 - [Console Root]		X
🚮 File Action	Add or Remove Snap-ins	X	_ 5 ×
Console Root	You can se Certificates snap-in Available sr Snap-in Active Active Service account Certificates for: Active Certificates for: Computer account Computer accou	For sions vve Up Down	•
	Ock M Beent Folder Group IP Sec Link to Description The Certif Cancel OK	ced	

4. Choose Local computer and click Finish

	Console1 - [Console Root]	×
🔚 File Action	Add or Remove Snap-ins	_ 8 ×
File Action	You can se extensible : Select Computer Available sr Select the computer you want this snap-in to manage. Snap-in Active Snap-in Active Cartin Isions Active Isions Active Isions Cartin Isionsult Active Isionsult Another computer: Isionsult Allow the selected computer to be changed when launching from the command line. This only applies f you save the console. Device Isionsult Folder Isionsult Folder Isionsult	
	IP Sec IP Sec Image: Sec	

5. Click OK to continue

e Action			4	Add or Rer	nove Snap-ins	X	- 8
nsole Root	You can select snap-ins for i extensible snap-ins, you car Available snap-ins:	his console from t configure which e	hose exten	available on y sions are enal	our computer and configure the selected si bled. Selected snan-ins	et of snap-ins. For	
	Snan-in	Vendor			Console Root	Edit Extensions	1
	ActiveX Control	Microsoft Cor Microsoft Cor			Certificates (Local Computer)	Remove	
	Certificates	Microsoft Cor Microsoft Cor	- HI			Move Up	
	Device Manager	Microsoft Cor Microsoft and		Add >	1	Move Down	
	Event Viewer	Microsoft Cor Microsoft Cor					
	IF Group Policy Object	Microsoft Cor Microsoft Cor					
	IP Security Policy M	Microsoft Cor					
	Local Backup	Microsoft Cor	~			Advanced	
	Description:						
	The Certificates snap-in all	ows you to browse	the	contents of th	e certificate stores for yourself, a service,	or a computer.	
					192		
						OK Cancel	

6. You will now be back at the Management Console with the Certificate Management Snap-In added. First we will import the ECAT RAR client certificate. Expand the **Certificates/Personal** Folder. Right-click on **Certificates**, select **All Tasks/Import**

Consc	ole1 - [Console Root\Certificate	s (Local Computer)\Personal\	Certificates]	- 0 X
🚟 File Action View Favorites Win	dow Help			_ & ×
Console Root	Issued To There are no items to	Issued By show in this view.	Actions Certificates	•
 △ Personal ○ Certificates ▷ ○ Trusted Root Certification Authon ▷ ○ Enterprise Trust ▷ ○ Intermediate Certification Authon 		More Actions	K	
 Indiced Publishers Untrusted Certificates 	All Tasks	Request New Certificate		
Third-Party Root Certification A	Refresh	Import		
Figure 1 rusted People Client Authentication Issuers	View	Advanced Operations	•	
Certificate Enrollment Requests Smart Card Trusted Poetr	Arrange Icons Line up Icons	•		
SMS	Help			
Trusted Devices	2 10			
Add a certificate to a store			19 ····	1

7. This will launch the certificate import wizard. Click Next at the first window



8. Change the file type to **Personal Information Exchange** and browse to the directory containing the certificates copied from the RAR server

Ope his PC > Data (D:) > certificates > RAR Name EcatRelayCA.cer	Date modified 9/27/2016 6:24 PM	✓ ♂ Search RA Type Security Certificate	R BEE 💌 Size 1 KB	× ۹
his PC Data (D:) certificates RAR Name EcatRelayCA.cer	Date modified 9/27/2016 6:24 PM	V C Search RA Type Security Certificate	R BEE 💌 Size	
Name	Date modified 9/27/2016 6:24 PM	Type Security Certificate	III ▼ Size	
Name	Date modified 9/27/2016 6:24 PM	Type Security Certificate	Size 1 KB	
🛱 EcatRelayCA.cer	9/27/2016 6:24 PM	Security Certificate	1 KB	
ame:		X.509 Cer X.509 Cer Personal Certificat Certificat Microsoft	tificate (*.cer;*.c tificate (*.cer;*.c information Excl e Trust List (*.stl) e Revocation List serialized Certif	rt) v t) hange (*.pfx*.p t (*.crl) icate Store (*.ss
	ame.	ame:	ame: V X.509 Cer X.509 Cer Personal Certificat Certificat Microsoft PKCS #7 All Files	ame: V X.509 Certificate (*.ce;*.c X.509 Certificate (*.ce;*.c Personal Information Ext Certificate Trust List (*.st) Certificate Revocation List Microsoft Serialized Certif PRCS #7 Certificates (*.sp All Files (*.s)

9. Select the file **EcatRelayClient.pfx** and click **Open**

-	1	Open		- 11.	×
€	This PC → Data (D:) → certificates → RAR		V 🖒 Search RA	R	Q
Organize 👻 New fold	er			•	
🔆 Favorites	Name	Date modified	Туре	Size	
E Desktop	😼 EcatRelayClient.pfx	9/27/2016 6:24 PM	Personal Informati	2 KB	
1 This PC					
File	name: EcatRelayClient.pfx		♥ Personal	Information Exc	hange ∨

10. Preview your settings and click **Next**

	x	_ _ X
File Action View Favor	💿 👙 Certificate Import Wizard	_ # ×
Console Root Console Root Console Root Certificates Certificates Certificates Certificates Certificates Certificates Certificates Cuntrusted Certificat Cuntrusted Certificate Cuntrusted Certificates Cuntrusted People Cient Authentication I Remote Desktop Certificate Enrollment Certificate Enrollment Certificate Card Trusted Ro SMS Trusted Devices	File to Import Specify the file you want to import. File name: D:\certificates\RAR\EcatRelayClient.pfx Browse Note: 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)	ns →
< m	Next Cancel	

11. Enter the password chosen when the certificates were initially created on the RAR server and click **Next**

 File Action View Favor File Action View Favor Console Root Console Root Certificates (Local Compu Certificates Personal Certificates Certificate Root Certificat Intermediate Certificate Intrusted Publishers Untrusted Certificates Trusted People Client Authentication Remote Desktop Certificate Enrollment 	Certificate Import Wizard Private key protection To maintain security, the private key was protected with a password. Type the password for the private key. Password: Obsplay Password Import options: Enable strong private key protection. You will be prompted every time the private key is used by an application if you enable this option.	ns >
	Enable strong private key protection. You will be prompted every time the private key is used by an application if you enable this option. Mark this key as exportable. This will allow you to back up or transport your keys at a later time. Include all extended properties. Next Cancel	

12. Ensure the certificates are being placed in the **Personal** Certificate store and click **Next**

 File Action View Favor File Action View Favor 	Certificate Import Wizard	
Console Root Certificates Certificates Certificates Certificates Certificates Certificates Certificates Certificates Curtursted Certificate Curtursted Certificate Curtursted Certificates Curtursted People Cient Authentication I Remote Desktop Certificate Enrollment Smart Card Trusted Ro SMS Trusted Devices	Certificate Store 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 Image: Place all certificates in the following store Certificate store: Personal	ns 🔶
Personal store contains no certifice	Next Cancel	

13. Preview your configuration and click Finish.



14. You should now see the EcatRelayClient certificate in the Personal Certificate store

Consc	ole1 - [Console Root\Certifi	icates (Local Computer)\Personal\	Certificates]	□ X
<mark>ন</mark> Eile <u>A</u> ction <u>V</u> iew Fav <u>o</u> rites <u>W</u> ir	idow <u>H</u> elp			_ 8 ×
A B X B A	? 🗊			
Console Root	Issued To	Issued By	Actions	
⊿ Gertificates (Local Computer)	EcatRelayClient	EcatRelayCA	Certificates	-
Certificates			More Actions	•
Trusted Root Certification Authors Certificates			EcatRelayClient	*
 Enterprise Trust Intermediate Certification Author Trusted Publishers Untrusted Certificates Trusted People Client Authentication Issuers Remote Desktop Certificate Enrollment Requests Smart Card Trusted Roots SMS Trusted Devices 			More Actions	
< III >	< 111	>		
Personal store contains 1 certificate.				

15. Next the EcatRelayCA certificate must be added to the system. Expand the Trusted Root Certificate Authorities folder and right-click on Certificates. Select All Tasks/Import.

Console1 - [Console	Root\Certificates (Local C	omputer)\Trusted Root Certifica	atio	n Authorities\Certificates]	
🚰 File Action View Favorites Win 🗢 🔿 📶	dow Help				_ & ×
📔 Console Root	Issued To	Issued By	^	Actions	
⊿ Gertificates (Local Computer)	AAA Certificate Services	AAA Certificate Services		Certificates	*
Personal Certificates	ABA.ECOM Root CA	ABA.ECOM Root CA AC Raíz Certicámara S.A.		More Actions	•
Trusted Root Certification Authority	AC RAIZ DNIE	AC RAIZ DNIE		ApplicationCA2 Root	
► Enterp All Tasks	Import	AC RAIZ FNMT-RCM		More Actions	•
▷ Interm View ▷ Interm Truste New Window from I	I Here / Root	ACCVRAIZ MININ ACCVRAIZ1 ACEDICOM Root			
Diffuse of the second secon	DVANCED	A-CERT ADVANCED			
▷ ☐ Truste ▷ ☐ Client ▷ ☐ Client ▷ ☐ Remote Export List	thentication CA G thentication Root	ACNLB Actalis Authentication CA G1 CA Actalis Authentication Root CA			
⊳ 📫 Certifi Help	External CA Root	AddTrust External CA Root			
> Certain Frequencies > Smart Card Trusted Roots > SMS > Trusted Devices	Admin-Root-CA ADOCA02 ADOCA02 AffirmTrust Commercial AffirmTrust Networking AffirmTrust Premium AffirmTrust Premium ECC C III	AdminCA-CD-T01 Admin-Root-CA ADOCA02 AffirmTrust Commercial AffirmTrust Networking AffirmTrust Premium AffirmTrust Premium ECC	~		
Add a certificate to a store			_		

16. This will launch the certificate import wizard. Click **Next** at the first window.

Console1 - [X	Certificates]	□ X
🚟 File Action View Favor	🔘 🎐 Certificate Import Wizard		- 5 ×
Console Root Certificates (Local Comput Certificates (Local Comput Certificates Certificates Certificates Certificates Certificates Certificates Certificates Certificates Certificate Semote Desktop Certificate Enrollment SMS SMS Trusted Devices	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 connections. A certificate store is the system area where certificates are kept. Store Location	ns CA2 Root ns	•
	Next Cancel		

17. Browse to the directory containing the certificates copied from the RAR server. Select **EcatRelayCA.cer** and click **Open**

consoler - [es] [-] -
a	Op	en			
🔘 🕘 – 🕇 📕 🕨	This PC + Data (D:) + certificates + RAR		V 🖒 Search RA	R	م ر
Organize 👻 New fold	ler			3== •	
🚖 Favorites	Name	Date modified	Туре	Size	
Desktop	EcatRelayCA.cer	9/27/2016 6:24 PM	Security Certificate	1 KB	
🔛 Recent places					
TH: DC					
Imis PC					
Setwork					
🙀 Network					
🗣 Network					
🗣 Network					
🙀 Network					
Network	name' EratPelayCA cer		X 500 Cer	tificate (* cen* c	- 11 - 1
• Network	name: EcatRelayCA.cer		× X.509 Cer	tificate (*.cer,*.c	:rt) V

18. Preview your settings and click **Next**

Console1 - [Certificates] – 🗆 X
 Console Root Certificates (Local Computed Root Certificates) Personal Certificates Trusted Root Certificates Enterprise Trust Intermediate Certificates Trusted Publishers Trusted Party Root Certificates Third-Party Root Certificates Client Authentication Remote Desktop Certificate Enrollment Smart Card Trusted Ro SMS Trusted Devices 	File to Import Specify the file you want to import. File name: D:\certificates\RAR\EcatRelayCA.cer Note: 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)	ns ,
< <u> </u>	Next Cancel	

19. Ensure the certificates are being placed in the **Trusted Root Certificate Authorities** Certificate store and click **Next**



20. Preview your configuration and click Finish.

Console1 - [X	Certificates] 🗕 🗖 🗙
File Action View Favor	🛞 👙 Certificate Import Wizard	×
Console Root Console Root Console Root Certificates Certificate Certi	Completing the Certificate Import Wizard The certificate will be imported after you click Finish. You have specified the following settings: Certificate Store Selected by User Trusted Root Certification Authorities Content Certificate File Name D:\certificates\RAR\EcatRelayCA.cer	ns)
< <u>m</u>	Finish Cancel	

21. Scroll through the list of Certificate Authority certificates and verify the **EcatRelayCA** certificate is present

Console1 - [Console	Root\Certificates (Local Comp	outer)\Trusted Root Certificatio	on Authorities\Certificates]	
🚟 File Action View Favorites Win	dow Help			_ 5 ×
Console Root Certificates (Local Computer) Certificates Certificates Certificates Certificates Certificates Certificates Certificates Certificates Certificates Certificates Cuntrusted Certification Author Certificates Cuntrusted Certification A Certificates Cient Authentication Issuers Certificate Enrollment Requests Certificate Enrollment Requests Certificate Enrollment Requests Certificate Constructed Roots Certificate Devices	Issued To Issued	Issued By DST-Entrust GTI CA D-TRUST Qualified Root CA 1 200 D-TRUST Root Class 2 CA 2007 D-TRUST Root Class 3 CA 2 2009 D-TRUST Root Class 3 CA 2 2009 D-TRUST Root Class 3 CA 2 EV 20 D-TRUST Root Class 3 CA 2 EV 20 D-TRUST Root Class 3 CA 2007 EBG Elektronik Sertifika Hizmet St E-CACC E-CARCC E-CARCA E-CERT ROOT CA Echoworx Root CA2 ECRaïzEstado EE Certification Centre Root CA e-Guven Kok Elektronik Sertifika E-GUVEN Kok Clektronik Sertifika E-GUVEN Kok Clektronik Sertifika E-ME SSI (RCA) Entrust Root Certification Author Entrust Root Certification Author	Actions Certificates More Actions EcatRelayCA More Actions	* * *
Trusted Root Certification Authorities store of	ontains 408 certificates.			