在ISE中导入和导出证书

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简介

本文档介绍如何在思科身份服务引擎(ISE)中导入和导出证书。

背景信息

ISE将证书用于各种用途(Web UI、Web门户、EAP、pxgrid)。 ISE上存在的证书可以具有以下 角色之一:

- •管理员:用于管理员门户的节点间通信和身份验证。
- EAP:用于EAP身份验证。
- RADIUS DTLS:用于RADIUS DTLS服务器身份验证。
- 门户:在所有思科ISE最终用户门户之间进行通信。
- PxGrid:要在pxGrid控制器之间通信。

备份安装在ISE节点上的证书非常重要。当您进行配置备份时,将进行配置数据和管理员节点的证 书的备份。但是,对于其他节点,证书的备份是单独进行的。

在ISE中导出证书

导航到**管理>System >证书>证书管理>系统证书。展开节点,选择证书,然后单击导出**,如图所示 ·



Export Certificate'Default self-signed server certificate'	×
 Export Certificate Only 	
 Export Certificate and Private Key 	
*Private Key Password	
*Confirm Password	
Warning: Exporting a private key is not a secure operation. It could lead to possible	exposure of the private key.
	Export Cancel

提示:不要忘记密码。

在ISE中导入证书

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在ISE上导入证书涉及两个步骤。

步骤1:了解证书是自签名证书还是第三方签名证书。

- 如果证书是自签名证书,请在受信任证书下导入证书的公钥。
- 如果证书由某个第三方证书颁发机构签名,请导入根证书和证书的所有其他中间证书。

导航到Administration > System > Certificates > Certificate Management > Trusted Certificate,点 击Import,如本图所示。

ululu Identity Services Engine	Home	Operations Policy	✓Administra	tion Vork Centers	
	Network Resources	Portal Management pxGrid	d Services		
Deployment Licensing - Certificates	s Logging Maintenance	Upgrade • Backup & R	testore Admin	n Access	
0					
▼ Certificate Management	Trusted Certificates				
System Certificates	🖊 Edit 🕂 Import 🕃 Export	🗙 Delete 🔎 View			
Trusted Certificates	Friendly Name	•	Status	Trusted For	Sei
OCSP Client Profile	Baltimore CyberTrust Root		Enabled	Cisco Services	02
Cortificato Signing Poquests	Cisco ECC Root CA 2099		Enabled	Cisco Services	03
Certificate Signing Requests	Cisco Licensing Root CA		Enabled	Cisco Services	01
Certificate Periodic Check Setti	Cisco Manufacturing CA SH	IA2	Enabled	Infrastructure Endpoints	02
Certificate Authority	Cisco Root CA 2048		Ø Disabled	Endpoints Infrastructure	5F
	Cisco Root CA 2099		Enabled	Cisco Services	01
	Cisco Root CA M1		Enabled	Cisco Services	2E

dentity Services Engine	Home Context Visibility Operations Policy Administration Work Centers
✓ System Identity Management	Network Resources Device Portal Management pxGrid Services
Deployment Licensing - Certificate	es
0	
- Certificate Management	Import a new Certificate into the Certificate Store
System Certificates	* Certificate File Browse Defaultselfsignedservercerti.pem
Trusted Certificates	Friendly Name ISE_Self_Signed
OCSP Client Profile	Trusted For: (i)
Certificate Signing Requests	Trust for authentication within ISE
Certificate Periodic Check Setti	Truct for client authentication and Syston
Certificate Authority	
	Trust for authentication of Cisco Services
	Validate Certificate Extensions
	Description
	Cancel

第二步:导入实际证书。

1.如本图所示,导航到**管理>系统>证书>证书管理,**点击**导入**。如果管理员角色已分配给证书,则节 点上的服务将重新启动。

dentity Services Engine	lome	 Context Visibility 	 Operations 	▶ Policy	- Administration	
	Network Re	esources	Portal Management	pxGrid Ser	vices	
Deployment Licensing - Certificates	▶ Loggi	ing Maintenance	Upgrade • Bad	ckup & Restor	re 🕨 Admin Ad	cess > Settings
0						
✓ Certificate Management	System	n Certificates 🔥 🗛	or disaster recovery	it is recomme	anded to export c	ertificate and private key pairs of all syster
System Certificates	📝 Edi	t 🕂 Generate Self	Signed Certificate	🕂 Import	Export	🕻 Delete 🔎 View
Trusted Certificates		Friendly Name		Used By		Portal group tag
OCSP Client Profile	▼ ise-1					
Certificate Signing Requests		Default self-signed s	erver certificate	EAP Auther Admin, Port DTLS	ntication, al, RADIUS	Default Portal Certificate Group (j)
Certificate Periodic Check Setti		OU=ISE Messaging	Service,CN=ise-1.is	105 14-1	ing Oracian	
Certificate Authority		e.local#Certificate Services Endpoint Su b CA - ise-1#00005		ISE Messaging Service		
		OU=Certificate Servi ate,CN=ise-1.ise.loca es Endpoint Sub CA	ices System Certific al#Certificate Servic - ise-1#00003	pxGrid		
		Default self-signed s e - CN=SAML_ISE.is	aml server certificat se.local	SAML		
	► ise-2					

2.选择要为其导入证书的节点。

3.浏览公钥和私钥。

4. 输入证书私钥的密码并选择所需的角色。

5.现在单击Submit,如图所示。

uluilu Identity Services Engine Home → Context Visibility →	Operations Policy Administration Work Centers
System Identity Management Network Resources Device Portage	al Management pxGrid Services
Deployment Licensing Certificates Logging Maintenance U	Jpgrade Backup & Restore Admin Access Settings
0	
Certificate Management Import Server Certificate	
System Certificates * Select Node	a ise-1
Trusted Certificates	
OCSP Client Profile * Certificate File	Browse Defaultselfsignedservercerti.pem
Certificate Signing Requests * Private Key File	Browse Defaultselfsignedservercerti.pvk
Certificate Periodic Check Setti	
► Certificate Authority Password	
Friendly Name	ISE_Self_Signed
Allow Wildcard Certificates	
Validate Certificate Extensions	
Usage	і
	Admin: Use certificate to authenticate the ISE Admin Portal CAP Authentication: Use certificate for EAP protocold that use SSI (TLS transition)
Colort Descripted	RADIUS DTLS: Use certificate for the RADSec server
Select Required	pxGrid: Use certificate for the pxGrid Controller
Role	SAML: Use certificate for SAML Signing
	Portal: Use for portal
	Submit Cancel

关于此翻译

思科采用人工翻译与机器翻译相结合的方式将此文档翻译成不同语言,希望全球的用户都能通过各 自的语言得到支持性的内容。

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