# 在Prem上配置CSSM并在ISE中注册许可证

# 目录

简介 先决条件 要求 使用的组件 配置 网络图 在VMWARE ESXi上本地安装CSSM。 本地CSSM的初始配置。 <u>将CSSM内部与智能帐户集成</u> <u>选项1:通过Internet连接在本地注册CSSM。</u> <u>选项2:无需互联网连接即可自行注册CSSM。</u> 将CSSM内部部署与ISE集成。 <u>从Windows CA创建证书。</u> <u>在Windows服务器上添加DNS记录。</u> 故障排除 <u>主机/IP地址无法访问。(ISE上出错)</u> <u>SSO服务:无法访问思科。(本地CSSM出错)</u> <u>CSR中的公用名不是DNS可解析的主机名或IP地址,请重试。(CSSM本地错误)</u>

# 简介

本文档介绍如何将CSSM本地与思科身份服务引擎(ISE)和思科智能帐户集成,以确保无缝设置。

# 先决条件

# 要求

ISE 3.X

思科智能软件管理器(CSSM)版本8版本202304 +

# 使用的组件

- 身份服务引擎3.2补丁2
- Prem 8.20234上的SSM
- Windows Active Directory 2016(DNS和证书颁发机构服务)
- VMWare ESXi版本7

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原

始(默认)配置。如果您的网络处于活动状态,请确保您了解所有命令的潜在影响。

# 配置

网络图



常规拓扑

# 在VMWARE ESXi上本地安装CSSM。

1. 下载Cisco IOS®。您可以使用下一个链接 : <u>https://software.cisco.com/download/home/286285506/type/286326948/release/8-202304</u>

2. 在VMWARE ESXi中上传ISO。

导航到存储>数据存储浏览器。

vmware <sup>,</sup> ESXi <sup>,</sup>					root@1	0.4.23.59 👻	Help 👻   🔍	Search	
Tavigator	Iocalhost.localdomain - Storage								
👻 📋 Host	Datastores Adapters Devices I	Persistent Memory							
Manage Monitor	New datastore I Increase capacity	P Register a VM	Datastore brow	wser C Refr	esh   🏠 Actio	ns	Q Searc	h	
> 🚯 Virtual Machines 🗾 0	Name	✓ Drive Type ✓	Capacity ~	Provisioned ~	Free ~	Type ~	Thin provi ~	Access	~
- 🔣 Storage 📃 🚺	datastore1	SSD	870.75 GB	1.42 GB	869.33 GB	VMFS6	Supported	Single	
▼ ☐ datastore1								1 iter	ms
Monitor									-
More storage									
Q Networking									

Data Browser部分

# 3. 单击创建目录以创建新文件夹(可选)。

🟹 Datastore browser		$\frown$		
🔮 Upload 🛛 🔒 Download	📑 Delete 🛛 🔒 Move	Copy Create directory	C Refresh	
🗮 datastore1	🚞 .sdd.sf			
Idatastara1				
				Close

创建目录

在本示例中,创建了CSSM文件夹:

🔁 Datastore browser			
🛉 Upload 📑 Download	🔀 Delete 🛛 🔒 Move 🕼 Co	py   🛅 Create directory 🕴 🧲	Refresh
datastore1	🚞 .sdd.sf		
	CSSM		
	Ш		
[datastore1] CSSM/			

Close

创建文件夹

# 4. 单击上传,然后选择ISO文件。

C Open					$\times$
$\leftarrow$ $\rightarrow$ $\checkmark$ $\uparrow$ $\blacklozenge$ > This PC > Downloads	~	U	Search Downloads		Q
Organize - New folder					?
Mame         ★ Qu         ↓ C         ↓ C         ↓ C         ↓ C         ↓ C         ↓ C         ↓ C         ↓ C         ↓ C         ↓ C         ↓ C         ↓ SSM_On-Prem-8-202304         > Yesterday (9)         ↓ Earlier this week (17)         ↓ C         ↓ Earlier this year (34)         ↓ ft         ↓ S         ↓ A long time ago (25)         ↓ Thi		ħ	io preview available.		
File name: SSM On-Prem-8-202304		~	All files		~
			Open	Cancel	

上传ISO

现在ISO文件位于CSSM文件夹中:



ISO上传完成

## 5. 创建虚拟机。导航到虚拟机>创建/注册VM。

vmware <sup>,</sup> ESXi <sup>,,</sup>	root@10.4.23.59 •   Help •   Q Search
T Navigator	😮 localhost.localdomain - Virtual Machines
Field Host Manage	Treate / Register VM Console   > Power on Power off II Suspend C Refresh Actions
Monitor	Virtual machine     V
🗉 🏜 Virtual Machines 📃 📃	
Storage     datastore1     Monitor     More storage	Quick filters No items to display J
retworking	

创建新的VM第01步

6. 选择创建新虚拟机,然后单击下一步。



```
创建新的VM第02步
```

7. 然后配置以下参数:

- Name:输入虚拟机的名称。
- 兼容性:选择ESXi 6.0或更高版本或ESXi 6.5或更高版本。
- 访客操作系统系列: Linux。
- 访客操作系统版本:选择CentOS 7(64位)或其他2.6x Linux(64位)

单击 Next。

Select creation type Select a name and guest OS Select storage	Select a name and g	guest OS	
Customize settings	Name		
Ready to complete	CSSM TAC		
	Identifying the guest operating s installation.	ESXI Z 0 U1 virtual machine	efaults for the operating system
	Guest OS family	Linux	~
	Guest OS version	CentOS 7 (64-bit)	~
<b>vm</b> ware			

### 8. 选择您的存储,然后单击下一步。

1 New virtual machine - CSSM TAC (E	SXI 7.0 U1 virtual machine)						
<ul> <li>1 Select creation type</li> <li>2 Select a name and guest OS</li> <li>3 Select storage</li> <li>4 Customize settings</li> <li>5 Ready to complete</li> </ul>	Select storage Select the storage type and datastore Standard Persistent Memory Select a datastore for the virtual machine's	configuration fil	es and all of its'	virtual disks			
	Name  v datastore1	Capacity ~ 870.75 GB	Free ~ 869.33 GB	Type VMFS6	<ul> <li>Thin pro ~</li> <li>Supported</li> </ul>	Access v Single 1 items	6
<b>vm</b> ware <sup>.</sup>				Back	Next	nish Can	ncel

存储列表

# 9. 配置以下参数:

• CPU:最少4个。实际的vCPU设置取决于您的扩展要求



注意:无论选择的虚拟插槽数量是多少,每个插槽的核心数量都需要设置为1。例如,4个 vCPU配置需要配置为4个插槽,每个插槽1个核心。

- 🔲 CPU	4 ~ (1)
Cores per Socket	1 V Sockets: 1
核心配置	

核心配置

- 内存:8GB
- 硬盘: 200 GB, 并确认调配设置为精简调配。

▼ 🛄 Hard disk 1	200 GB ~	)
Maximum Size	869.33 GB	
Location	[datastore1] CSSM TAC Browse	
Disk Provisioning	<ul> <li>Thin provisioned</li> <li>Thick provisioned, lazily zeroed</li> <li>Thick provisioned, eagerly zeroed</li> </ul>	

磁盘配置

# • 网络适配器:选择E1000适配器类型,然后选择开机时连接。

▼ ■ Network Adapter 1	VM Network ~	
Status	Connect at power on	
Adapter Type	E1000e ~	
而罢回收沉罢		

配置网络设置

• CD/DVD驱动器:选择"数据ISO文件"并选择ISO文件。

atastore browser			
摿 Upload 🛛 🔓 Download	🛃 Delete 🔒 Move 脑 Copy	🖆 Create directory 🕴 🧲 Re	fresh
datastore1	isdd.sf	SSM_On-Prem-8-2	
😑 vmimages	CSSM		SSM_On-Prem-8-2023 2.92 GB Wednesday, July 26, 2
ISO映像			

完成前面的步骤后,您可以验证设置的摘要。

#### 1 New virtual machine - CSSM TAC (ESXi 7.0 U1 virtual machine)

1 Select creation type

### 2 Select a name and guest OS

### Customize settings

Configure the virtual machine hardware and virtual machine additional options

3 Select storage		
4 Customize settings 5 Ready to complete	► 🖬 CPU	4 ~ (1)
	Memory	8 GB ~
	► 🔤 Hard disk 1	200 GB ~ 🛇
	► CSI Controller 0	VMware Paravirtual
	SATA Controller 0	0
	😵 USB controller 1	USB 2.0 ~
	Network Adapter 1	VM Network 🗸 🗹 Connect 💿
	►	Datastore ISO file
<b>vm</b> ware	▶ 🛄 Video Card	Specify custom settings ~
		Daala Naut Disister Oos
		Back Next Finish Car

### 摘要VM配置01

## 单击 Next。

## 10. 单击完成。

To New virtual machine - CSSM TAC (ESXi 7.0 U1 virtual machine)					
✓ 1 Select creation type	Ready to complete				
<ul> <li>2 Select a name and guest OS</li> <li>3 Select storage</li> </ul>	Review your settings selection before finit	shing the wizard			
✓ 4 Customize settings					
✓ 5 Ready to complete	Name	CSSM TAC			
	Datastore	datastore1			
	Guest OS name	CentOS 7 (64-bit)			
	Compatibility	ESXi 7.0 U1 virtual machine			
	vCPUs	4			
	Memory	8 GB			
	Network adapters	1			
	Network adapter 1 network	VM Network			
	Network adapter 1 type	E1000e			
	IDE controller 0	IDE 0			
	IDE controller 1	IDE 1			
	SCSI controller 0	VMware Paravirtual			
<b>vm</b> ware	SATA controller 0	New SATA controller			
	Hard disk 1				
		Back Next Finish Cancel			

1. 在VMWARE ESXi中,导航到虚拟机并选择VM,然后单击开机。

vmware: ESXi"			rcot@10	4 23.59 -   Help -   Q Search -
"E Navigator	🕤 localhost.localdomain - Virtual Machines			
✓ ☐ Host Manage	📸 Create / Register VM 📔 🛒 Console 🛛	Power on Power off II Susp	oend   🥐 Refresh   🏠 Actions	Q Search
Monitor	Virtual machine	<ul> <li>Status</li> <li>Used space</li> <li>Normal</li> <li>8.08 GB</li> </ul>	Guest OS      Host name     CentOS 7 (64-bit)     Unknown	Host CPU      Host memory      O MHz     O MB
Storage     Storage     datastore1     Monitor	Quick filters ~			1 items "
More storage	CSSM Guest C Compat	M TAC OS CentOS 7 (64-bit) tibility		0 MHz
	CPUs Memory	e Toolts No 4 y 8 GB		0 B STORAGE 8.08 GB

开机选项

2. 您可以通过多个选项来管理VM控制台。选择Console > Open browser console。

Iocalhost.localdomain - Virtual Machines



用于管理虚拟机的选项

3. 配置您的网络设置。



注意:配置解析CSSM FQDN的DNS服务器的IP地址非常重要。

		Cisco SSM On-Pre	m Installation		×
Svstem Set	tinas:				
Hostname:	SSM-On-Prem				
Message Of	The Day: UNCLASSIFIE	D 🔻 Security Prof	ile: Standard 🔻	FIPS 140-2 Mo	ode: Enablec▼
Hardware S CPU Model: In Total System M Available Disks	<b>ettings:</b> ntel(R) Xeon(R) CPU E5-26 Memory: 8174636 kB Fre s: ☑ sda (200Gb) Enc	99A v4 @ 2.40GHz ee Memory: 4330340 rypt Drive with LUKS:	CPU Threads: 4 Ar KB Disabled <del>•</del>	chitecture: 64-bit Enable USB:	Disabled 🔻
Network Se Network De	ettings: evice: ens192 ▼				
IPv4	Configuration	1	IPv6 Cor	nfiguration	
Method:	Static 🔻	Method:	Disabled 🔻		
Address:	10.4.23.60	Address:			
Netmask:	255.255.248.0	Prefix:			
Gateway:	10.4.16.1	Gateway:			
Configure 10.4.23.2	e DNS: Specify more th 9	an one with commas	5		
					Help OK

配置CSSM网络设置

单击Ok 配置您的新CLI密码。

4. 然后,安装过程开始并完成,直到您看到访问提示符。

CSSM		
****		
# Authorized access onlu!	#	
	#	
# Disconnect IMMEDIATELY if you are not an authorized user!!!	#	
# All actions Will be monitored and recorded	#	
	****	
SSM-Un-Prem login: _		

CSSM初始配置已完成

5. 打开浏览器并输入https:// <ip\_address\_CSSM>。

L		~
~	_	0

ı	h	I.	h	•
C	S	C	0	0

**On-Prem License Workspace** 

User Name
Password
Logia

Welcome to Smart Software Manager On-Prem where you can locally manage Smart Licensing and perform local Account Management functions for your organization.

CSSM登录页

使用默认凭证:

用户名:admin

密码:CiscoAdmin!2345

- 6. 选择您的语言。
- 7. 创建新的GUI密码。
- 8. 配置主机公用名。(示例:hostname.yourdomain)。

在本例中,cssm.testlab.local被配置为主机公用名。

Welcome to	Cisco S	mart Softwa	are Manager	On-Prem
------------	---------	-------------	-------------	---------

		SIEP J	STEP 4
ystem Language Selection	Temporary Password Reset	Host Common Name	Review and Confirm
Products that support Strin	ng SSL Cert Checking require	the SSM On-Prem's "Host Co	mmon Name" to match the "destination" URL address. For example:
<ul> <li>Products using Sm</li> </ul>	mart Transport must use both t	he "license smart url" configur	ation and the "cssm.testlab.local" value in the URL string.
<ul> <li>Legacy products u</li> </ul>	using Smart Call Home must u	se both the "destination addre	ss http" configuration and the "cssm.testlab.local" value in the URL string.
If the above URLs do not	t match expectations, refer t	o the SSM On-Prem AdminV	Vorkspace -> Secruity Widget to change the Host Common Name to the correct
value.			
The option to configure alt	ternative names (SAN) is avail	able in Admin Console under	Security -> Certificates and can be configured after the initial setup.
tost Common Name			
ssin.testiab.iocai			
_			

### 9. 验证您的配置并单击Apply。

0121	STEP 2	STEP 3	STEP 4
System Language Selection	Temporary Password Reset	Host Common Name	Review and Confirm
Once you click "Apply", put une loging	you will be redirected to the login	page where you will need to k	ogin with your new password.
intere logina.			
Review and Confirm			
Language Selected:	English		
Password Reset:	Yes		

Back Apply

CSSM初始设置已完成。

# 将CSSM内部与智能帐户集成

您需要将智能帐户与本地服务器上的CSSM关联。

1. 使用下一个链接打开思科智能帐户:

### https://software.cisco.com/

2. 然后选择智能软件管理器部分下的管理许可证。

Smart Software Manager	Download and Upgrade	Traditional Licenses
Track and manage your licenses. Convert traditional licenses to Smart Licenses.	Download new software or updates to your current software.	Generate and manage PAK-based and other device licenses, including demo licenses.
Manage licenses >	Access downloads >	Access LRP >
Manage Smart Account	EA Workspace	Manage Entitlements
Update your profile information and manage users.	Generate and manage licenses purchased through a Cisco Enterprise Agreement.	eDelivery, version upgrade, and more management functionality is now available in our new portal.
Manage account >	Access EA Workspace >	Access MCE >
管理许可证选项		

# 3. 导航到资产并复制智能帐户名称和虚拟帐户。在本指南中,这是 InternalTestDemoAccount67和AAA MEX TEST。

Cisco Software Central	Q	07)	
Scheduled Downtime Notification - License Registration Portal (LRP), Manage Smart Account & Account Administration, Plug-N-F	Play (PnP), Smart Softwar	e Manage	r
Cisco Software Central > Smart Software Licensing Smart Software Licensing	InternalTestDemoAcco	unt67.cisco.o ails Suppor	com 👻 rt Help
Alerts Alerts Convert to Smart Licensing Reports Preferences On-Prem Accounts Activity			
Virtual Account: AAA MEX TEST -			
General Licenses Product Instances Event Log			
Virtual Account			
Description: Only for tests			
Default Virtual Account: No			
软件思科页面			

4. 打开CSSM GUI并选择Admin Workspace选项。

On-Prem License Workspace	cisco	Admin Workspace 🛔 Hello, Local Admin Log Out
Smart Software Manager On-Prem		
Smart Licensing Track and manage Smart Licensing	Request an Account Get an Account for your organiz Administrator or System Operal Request Access to an Existing / Submit a request for access to Account Administrator for your to Manage Account Modify the properties of your Ac	Administration tation. The Account must be approved by your System for before it can be used. Account an existing local Account. Approval must be granted by a Smart local Account.

CSSM主菜单。

5. 然后选择Accounts。

# On-Prem Admin Workspace

# Smart Software Manager On-Prem





# Generate CSR

Common Name	
cssm.testlab.local	
Organizational Unit	
Testlab	
Country	
Mexico	Ŧ
State/Province	
Mexico City	 
City/Locality	
Mexico City	
Organization	
SEC AAA	
Key Size	
2048	*
Subject Alternative Name	
cssm.testlab.local	



CSR详细信息。

- 4. 对CSR签名:有关详细信息,请查阅本文档中的"<u>从Windows CA创建证书</u>"。
- 5. 上传根CA证书。

### Browser Certificate



### 单击Proceed。

Please note that if you are uploading LDAP Server Certificate, it is mandatory to reboot your SSM On-Prem server for the certificate to take effect and thus allowing secure communication with the server.

Below are the commands for non-HA(standalone) deployments:

 Execute "reboot" command in Onprem-console ssh admin@<IP> onprem-console reboot

### For HA deployments

 Execute reboot command on active node in onprem-console. After failover, ensure that DB replication has started. If you wish to restore the previous active node, execute another reboot, after verifying replication has started.

The active node is the node that is serving the virtual IP of the cluster.



×

6. 输入说明,选择根证书,然后单击确定。

# Upload Certificate

* Descri	ption:	CA root			
* Certific	ate:	Seleccionar archivo	Root C.	A.cer	
ок	Cancel				

描述根CA。

# 7. 上传由CA签名的CSR(CSSM身份证书)。

RootCA	/DC=com/DC=ciscotac/CN=ci:	2026-Jul-24 09:26:34	2023-Jul-30 19:41:06	Actions
Description	Subject	Expires On	Created	Actions
			Search by Description	
Add		CSSM cer 2 items	Root CA	
CA Certificates				
		← → × ↑ 🖡 « Desktop	> certs ~	U
Add Generate CSR		III IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	ew	-
Browser Certificate				

上传CSSM身份证书。



注意:注意:在我们的情况下,中间证书在我们的CA中不存在。但是,如果在架构中使用 中间证书,则中间证书是必需的。

### 8. 然后,确认两个证书均已安装。

Browser Certificate				
Add Generate CSR				
cssm.testlab.local				EXPIRATION DATE: 2025-JUL-16
CA Certificates				
Add				
_				
			Search by Description	
Description	Subject	Expires On	Created	Actions
RootCA	/DC=local/DC=testlab/CN=tes	2027-Apr-14 22:51:26	2024-Jul-16 21:18:52	Actions

### 9. 在SSM本地创建令牌:选择许可工作空间。



11. 查找您的本地虚拟帐户,然后单击新建令牌并单击继续。

### Smart Licensing



### 12. 选择创建令牌并复制它。

Create Registration To	ken	Ø	×
This dialog will generate the tok	en required to register your product instances with your Account .		
Local Virtual Account	Default		
Description			
Expire After	30 Days		
	Enter a value between 1 and 9999, but Cisco recommends a maximum of 30 days		
Max. Number of Uses			
	The token will be expired when either the expiration or the maximum uses is reached.		
Allow export-controlled fur	nctionality on the products registered with this token 1		
	Create Token	Cance	el

创建新令牌。

ocal Virtual Account: De	fault					
General	Licenses Product Instan	Registration	Token	×		
Local Virtual Account		NmNjYWM2NTAt E2OTMzNDE2%0 NqUGIVQmZqL38	NTUyOS00ZDdmLThhY AMzA5MTZ8YWhyZS8 WQ3hhWkhp%0ARE8	WURZJZIMJE2MTMSMJKSLT NZK5Y2dIVINZOEE2cDIsNK ARTO%3D%0A		
Description	This is the default vi	P7035 200 + C 10 COp	y selected text to clippo	sand		
Default Local Virtual Account:	Yes	/				
Product Instance Registration The registration tokens below can be product to use the Smart Transport CSLU Transport URL. For legacy recommended method is Smart Trans New Token	n Tokens e used to register new product dutances to Registration URL. For products that supp products that still use Smith Call Home, yo rsport. Please consult your Products Conf	o this Local Virtual Acco ont Smart Licensing Usi ou must configure the "d Iguration Guide for setti	, ing Policy that use cslu ; estination address http ing the destination URL ;	upport Smart Transport, you must cont as transport, you must configure the "li ' on the product to use the Smart Call ratue.	igure the "license smart u cense smart transport csi Home Registration URL.	rl" on the u" to use the The
				10 👻 Showing	Page 1 of 1(1 Records)	(
Token	Expiration Date	Uses	Description	Export-Controlled	Created By	Actions
NmNjYWM2NTAINTUyOS0.	2023-Aug-29 20:35:30 (in 30 days)			Allowed	admin	Actions

令牌详细信息。

# 13. 打开ISE GUI并导航到Administration > Systems > Licensing,然后点击Registration details,选择SSM On-Prem server Host method,然后粘贴令牌。

### License Type

Choose Registration Details to acquire pre-purchased license entitlements. Choose Permanent License Reservation to enable all Cisco ISE licenses. Enter the required details to enable Cisco ISE licenses. When you click Register, you agree to the terms and conditions detailed in Smart Licensing Resources.

Smart Licensing Registration

- O Permanent License Reservation
- Specific License Reservation
- Registration Details

When you register Cisco ISE in the Cisco Smart Software Manager portal, a unique ID called the Registration Token is displayed in the portal. Copy the registration token displayed in the CSSM portal and paste it here.

Registration Token
NmNjYWM2NTAtNTUyOS00ZDdmLThhYWU

许可证登记。

### 14. 在SSM内部部署服务器主机上输入SSM内部部署 FQDN,然后单击注册。



CSSM和ISE设置。



注意:务必在主机公用名上配置主机名+域,因为ISE使用此参数与CSSM建立连接。您可 以使用IP地址而不是主机名+域,但建议使用主机名+域

### 15. 最后,注册完成。



注册已完成。

从Windows CA创建证书。

如果您是证书颁发机构的管理员,则必须执行以下操作:

- 1. 打开Web浏览器并导航到<u>http://localhost/certsrv/</u>
- 2. 单击Request a certificate。

$\leftarrow$	$\rightarrow$	C	localhost/certsrv/	Aø	*	¢	₹Ĵ1	Ē	କ୍ଷ	8			
Micro	Microsoft Active Directory Certificate Services tegonetwork-WIN-G9MM5UQGG80-CA Home												
Welco	me												

Use this Web site to request a certificate for your Web browser, e-mail client, or other program. By using a certificate, you can verify your identity to people you communicate with over the Web, sign and encrypt messages, and, depending upon the type of certificate you request, perform other security tasks.

You can also use this Web site to download a certificate authority (CA) certificate, certificate chain, or certificate revocation list (CRL), or to view the status of a pending request.

For more information about Active Directory Certificate Services, see Active Directory Certificate Services Documentation.

Select a task: Request a certificate View the status of a pending certificate request Download a CA certificate, certificate chain, or CRL

请求证书。

3. 单击高级证书请求。

Microsoft Active Directory Certificate Services ciscotac-ca	Home
Request a Certificate	
Select the certificate type: <u>Web Browser Certificate</u> <u>E-Mail Protection Certificate</u>	
Or, submit ar advanced certificate request.	

高级证书请求。

4. 打开以前生成的CSR。 然后复制信息并粘贴到Saved request上。

scentac.eiscotac.com.csr - Notepad     File Edit Format View Help	Microsoft Act	tive Directory Certif 🗙 🕂		-		×
BEGIN CERTIFICATE REQUEST MIIC9jCCAd4CAQAwfzEdMBsGA1UEAwwUc2NjbXRhYy5jaXNjb3RhYy5jb20xFjAU	$ \leftarrow \rightarrow $	O localhost/certsrv/certrqxt.asp	2 1	曲	8	
BgNVBAsMDUNpc2NvIFN5c3R1bXMxCzAJBgNVBAYTAk1YMQ0wCwYDVQQIDARDRE1Y MRewFeYDVDOHDA93boN1cmd1bnR1cvRTdXIxEDA0BeNVBAcMR8FR0SBTRUMweeFi	Microsoft Active	Directory Certificate Services - ciscotac-ca				Home
MA86CSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQCdYQu8fx58o7DXY30MJ1yf04AZ	Submit a Cert	ificate Request or Renewal Request				
DZhNa96D91gPDWaxtbNFGqDnvcewEqEylyxxnwF5hW//Tw23oYfwy5sYfAjCP9V 11XdrW5GkD/IBrw0SXhnmC+KlFyjSziv+EFd0zJ4A0+yG1x7uEu+j96YFj18NFdI 1tU2ge5aMFBE/HGXbXDLFbiFmVE+95gRaLgsr5VKl1iocVZ8ImDucT4LByCiqRrs WVF87e6dMvebi5gSDwwKRBGeUOL+f4DuknRnUmEHRVHEWkzXfCm86u8fzI+vYcTf Knk2+z4moHt1RZw/cDQ4m2128p7CesN8CDtkwWGC6fufmqOWkaDod5+eXbadAgHB AAGgMjAwBgkqhkiG9w0BCQ4xIzAhNB86A1UdEQQVHBacFHNjV210YU212Y290 YMW1Y29tNA8CC5q651b3DQEBCwUQA41BAQAU+3q8rOvWFKA3eokKHomR95iOeR /dq+ICgJ6EPBa03hpO6hVPti/MV3H5yeBjq5gcq4cdbHu/VTf/gQ51Aa9QRhfPug HGdPwBukPNWcydys8ERUPQEFyHNaWtNGZwtAz39UP7oIAVP+uHR73Ue9ka694Im cb7KXN6nSxm5MdeKXz5/8YCgDLCDILLONB2M4GA5AUGFYJQE9WiFrJAk0VHyDzpUSR /xjte27fGWCsf0SUUH4xQ8+7Cq1AUkZobBmiUWwYvI7b+hLC8Bam+yD1 END_CERTIFICATE_REQUEST	To submit a sar certificate requ as a Web serve Saved Request:	ved request to the CA, paste a base-64-enco est or PKCS #7 renewal request generated t er) in the Saved Request box.	ided CMC	) or PK ernal so	CS #1( urce (s	0 such
	Base-64-encoded certificate request (CMC or PKCS #10 or PKCS #7):	Knk2+z4moHtiRZW/cDQ4#2I28p7CesN8CDtkvW6C AAGgMjAwBgkqhkiG9w8BCQ4xIzAhMBBGA1UdEQQY YMWuY29EMA80C5QGSIb3DQ8ECvUAA4I8AQAUF43q /dq+ICg36EP8a03hpo6hVP1/WXN5V98jq5gcq4 HGPwBukPNwcydys88ERUQgFyHNawhtNGmZwtA39 cb7KXNGnk3wn5MdeWC25/8VCgglCCDTuLOMsRIa6 HVX9U5390kML0Hue77bMos6QWRTv558iDuHme//i /ste276fuc5495UUH4xQ8+7Cq1AUkz0b8mLUMwY END CERTIFICATE REQUEST				
	Additional Attribu	ites:	-			
	Attributes:					
		Submit >				

提交证书。

### 点击提交后,将自动下载证书。

### 5. 现在下载CA证书根目录。导航回http://localhost/certsrv/并选择下载CA证书、证书链或CRL。

#### Welcome

Use this Web site to request a certificate for your Web browser, e-mail client, or other program. By using a certificate, you can verify your identity to people you communicate with over the Web, sign and encrypt messages, and, depending upon the type of certificate you request, perform other security tasks.

You can also use this Web site to download a certificate authority (CA) certificate, certificate chain, or certificate revocation list (CRL), or to view the status of a pending request. For more information about Active Directory Certificate Services, see Active Directory Certificate Services Documentation.

Select a task:

Request a certificate View the status of a pending certificate request Download a CA certificate, certificate chain, or CRL

下载根CA

6. 使用编码方法下载CA证书作为Base64。

Microsoft Active Directory Certificate Services - ciscotac-ca

### Download a CA Certificate, Certificate Chain, or CRL

To trust certificates issued from this certification authority, install this CA certificate chain.

To download a CA certificate, certificate chain, or CRL, select the certificate and encoding method.

#### CA certificate:



#### Encoding method:



Base 64选项。

### 在Windows服务器上添加DNS记录。

如果您是管理员,请添加ISE和CSSM FQDN。

1. 打开DNS管理器:在Windows查找器上键入"DNS"并打开DNS应用。

Recycle		۵	ŝ								
	Best r	match									
keyclo	2	DNS App									
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	A I	DINS			μ	0	-	<b>L</b>		e	<u>_</u>
DNS选	项。										

# 2. 导航到正向查找区域>并选择您的域。

Loss Manager File Action View Help				- 🗆 X
<ul> <li>DNS</li> <li>Image: Second system of the system o</li></ul>	Name msdcs sites tcp udp DomainDnsZones ForestDnsZones (same as parent folder) (same as parent folder) (same as parent folder) asc-ise32p3-1300 fmc win-2uqrqo1vh75	Type Start of Authority (SOA) Name Server (NS) Host (A) Host (A) Host (A) Host (A)	Data [207], win-2uqrqo1vh75.tes win-2uqrqo1vh75.testlab.l 10.4.23.39 10.4.23.21 10.4.23.61 10.4.23.39	Timestamp static static 7/16/2024 10:00:00 AM static static static static

DNS管理器。

3. 右键单击屏幕上的黑色空白并选择"New Host (A or AAAA)"

Update Server Data File	
Reload	
New Host (A or AAAA)	
New Alias (CNAME)	
New Mail Exchanger (MX)	
New Domain	
New Delegation	
Other New Records	
DNSSEC	>
All Tasks	>
Refresh	
Export List	
View	>
Arrange Icons	>

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