

# CSSM op voorhand configureren en licenties registreren met ISE

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## Inleiding

Dit document beschrijft de integratie van CSM On-Prem met Cisco Identity Service Engine (ISE) en Cisco Smart Account, waardoor een naadloze installatie mogelijk is.

## Voorwaarden

### Vereisten

ISE-lijnkaart 3.x

Cisco Smart Software Manager (CSM) versie 8 release 202304 +

### Gebruikte componenten

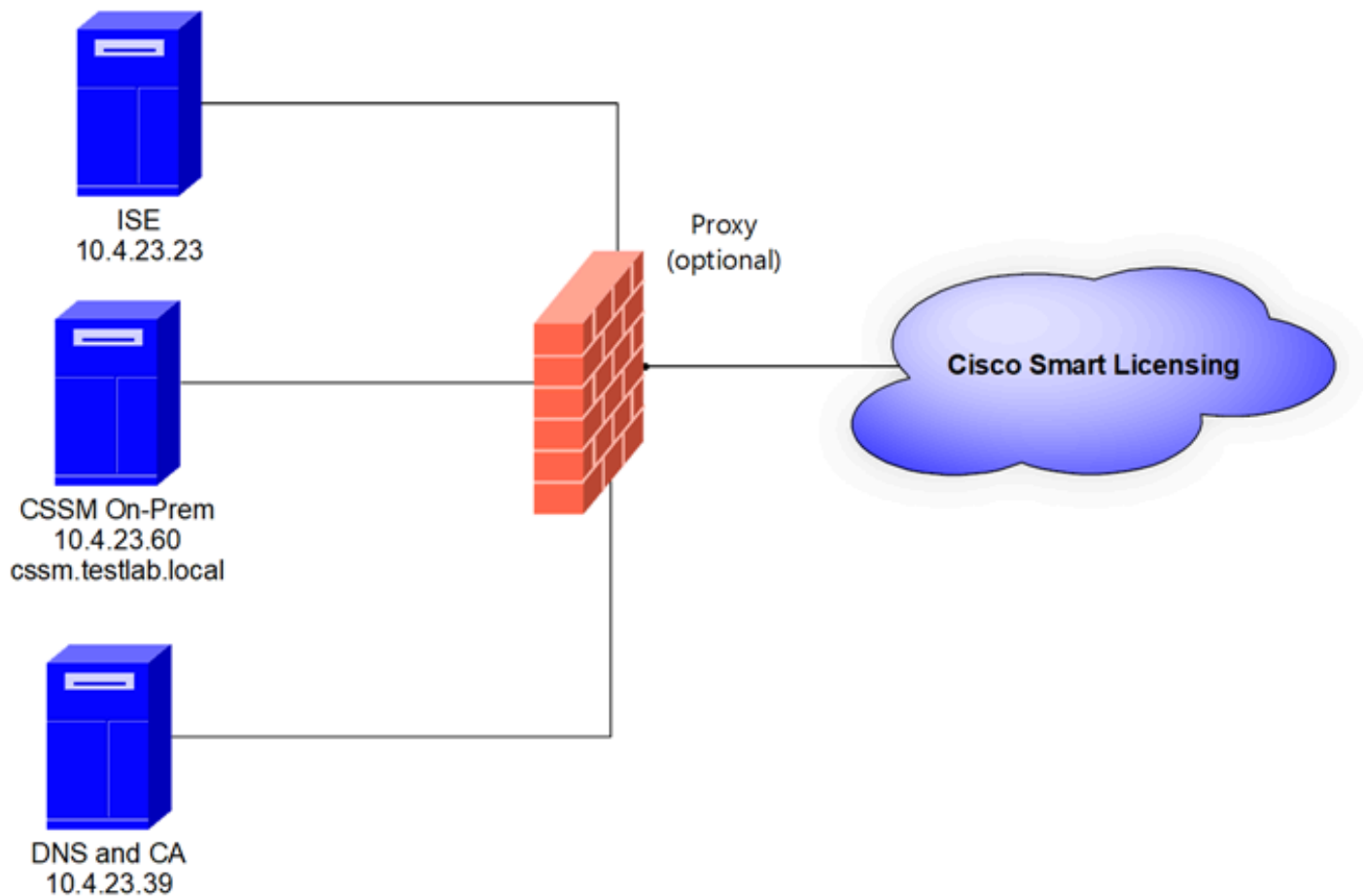
- Identity Service Engine 3.2 patch 2
- SSM op prem 8.20234

- Windows Active Directory 2016 (DNS- en certificaatautoriteit services)
- VMWare ESXi versie 7

De informatie in dit document is gebaseerd op de apparaten in een specifieke laboratoriumomgeving. Alle apparaten die in dit document worden beschreven, hadden een opgeschoonde (standaard)configuratie. Als uw netwerk live is, moet u zorgen dat u de potentiële impact van elke opdracht begrijpt.

## Configureren

### Netwerkdigram



Algemene topologie

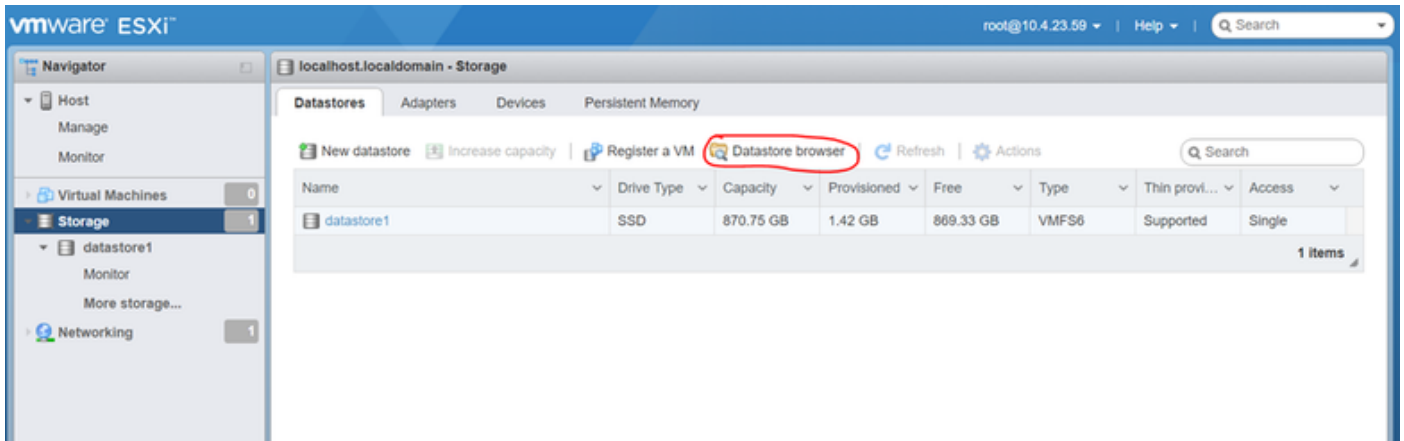
### Installeer CSM On-Prem op VMWARE ESXi.

1. Download Cisco IOS®. U kunt de volgende link gebruiken:

<https://software.cisco.com/download/home/286285506/type/286326948/release/8-202304>

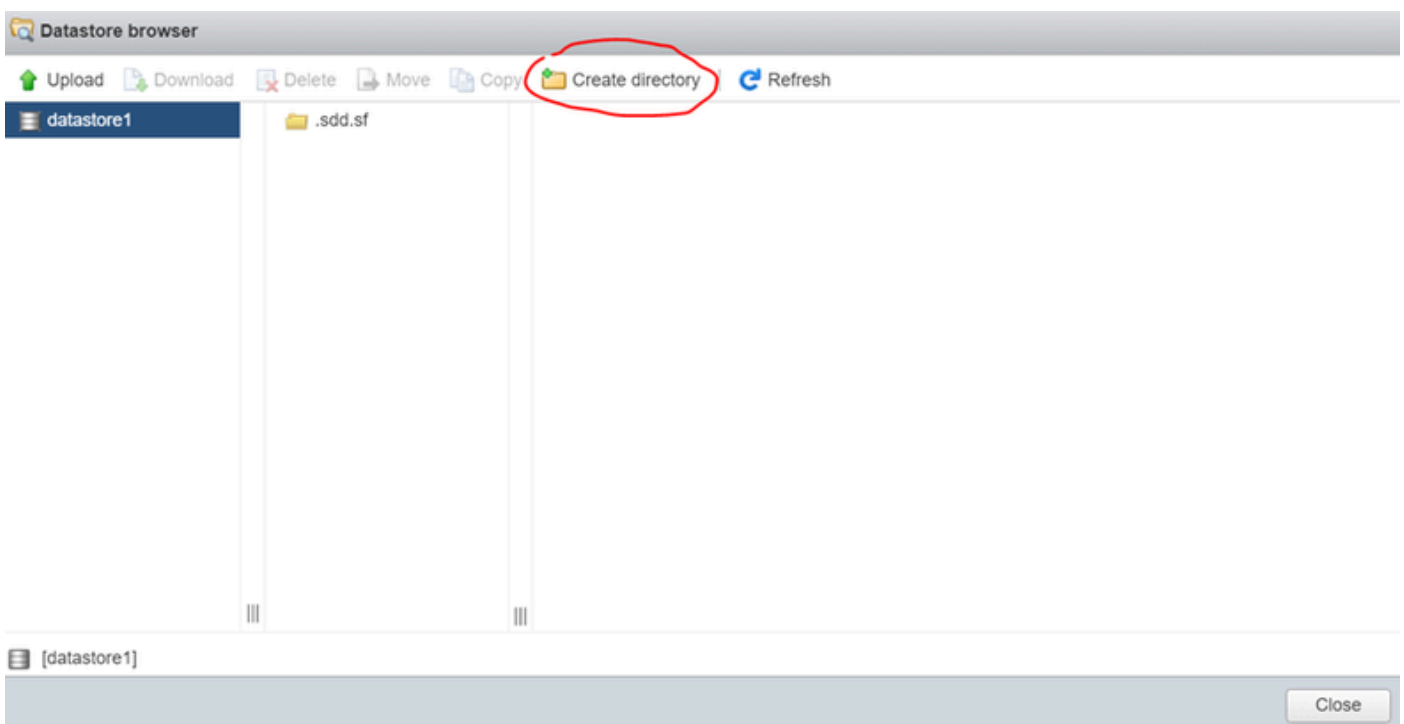
2. Upload de ISO in VMWARE ESXi.

Ga naar Storage > Datastore Browser.



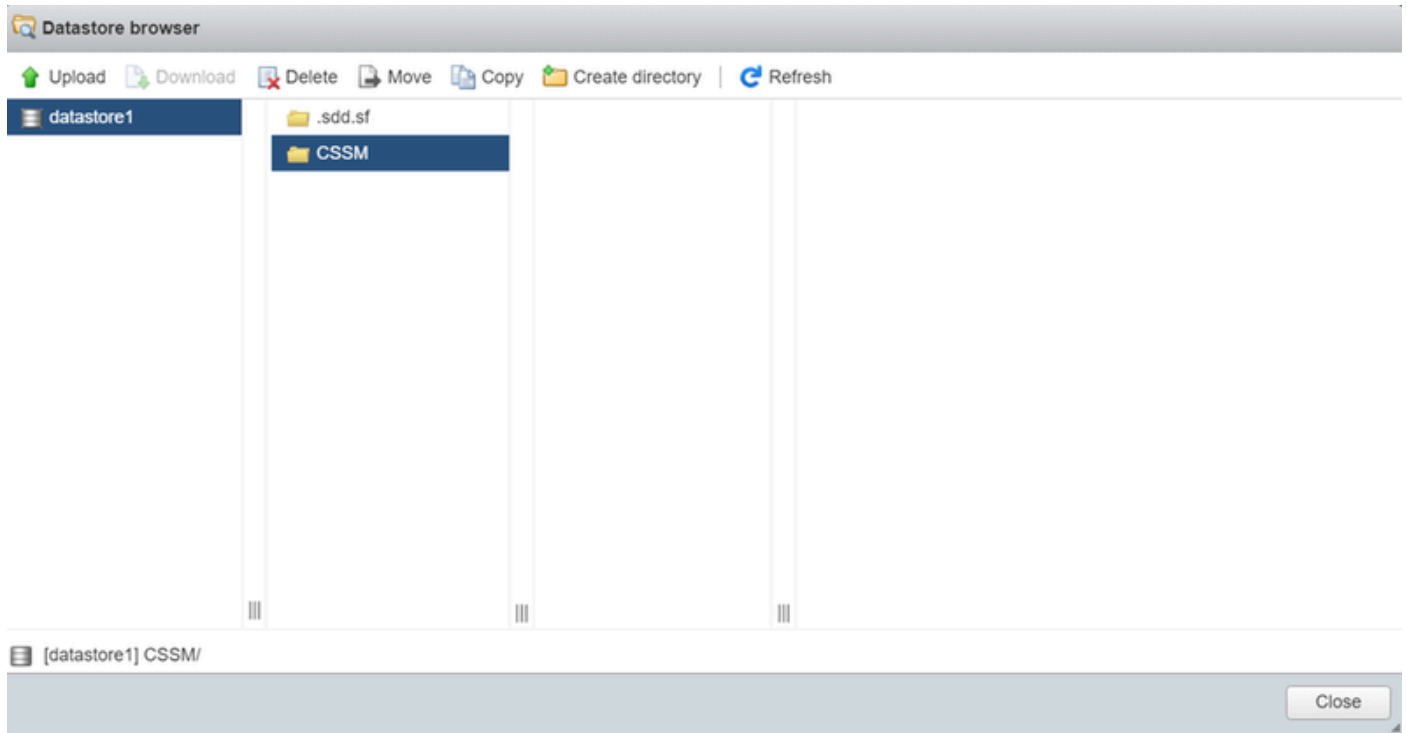
Sectie van de gegevensbrowser

3. Klik op Map maken om een nieuwe map te maken (optioneel).



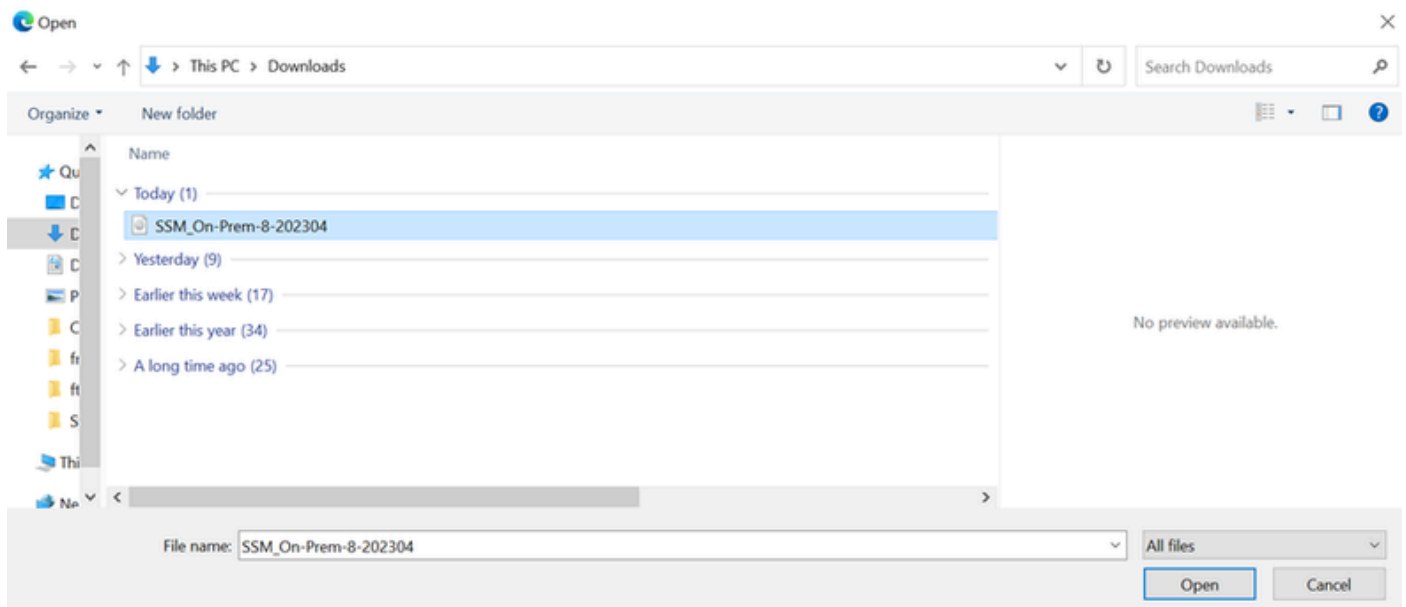
Maken van directory

In dit voorbeeld is de CSSM-map gemaakt:



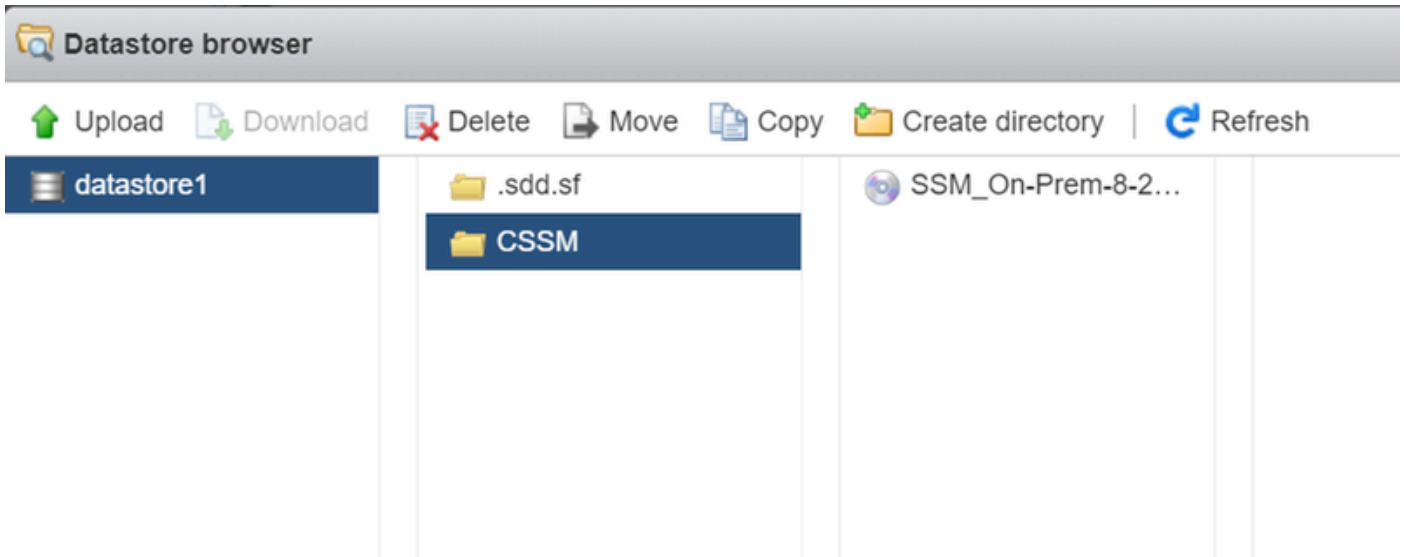
Creatie van mappen

4. Klik op Upload en kies vervolgens uw ISO-bestand.



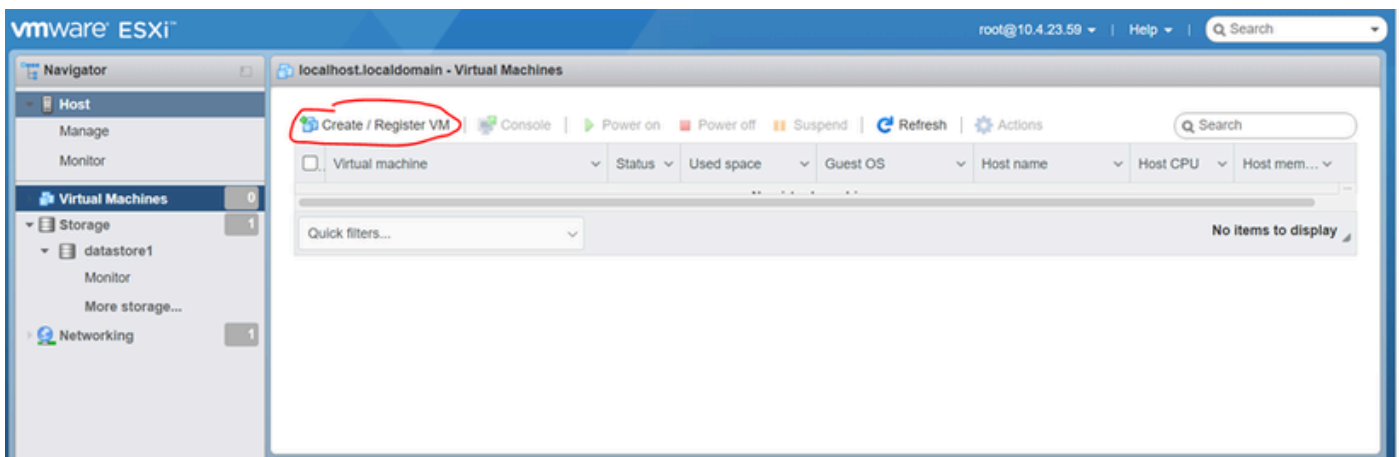
ISO uploaden

Het ISO-bestand bevindt zich nu in de CSSM-map:



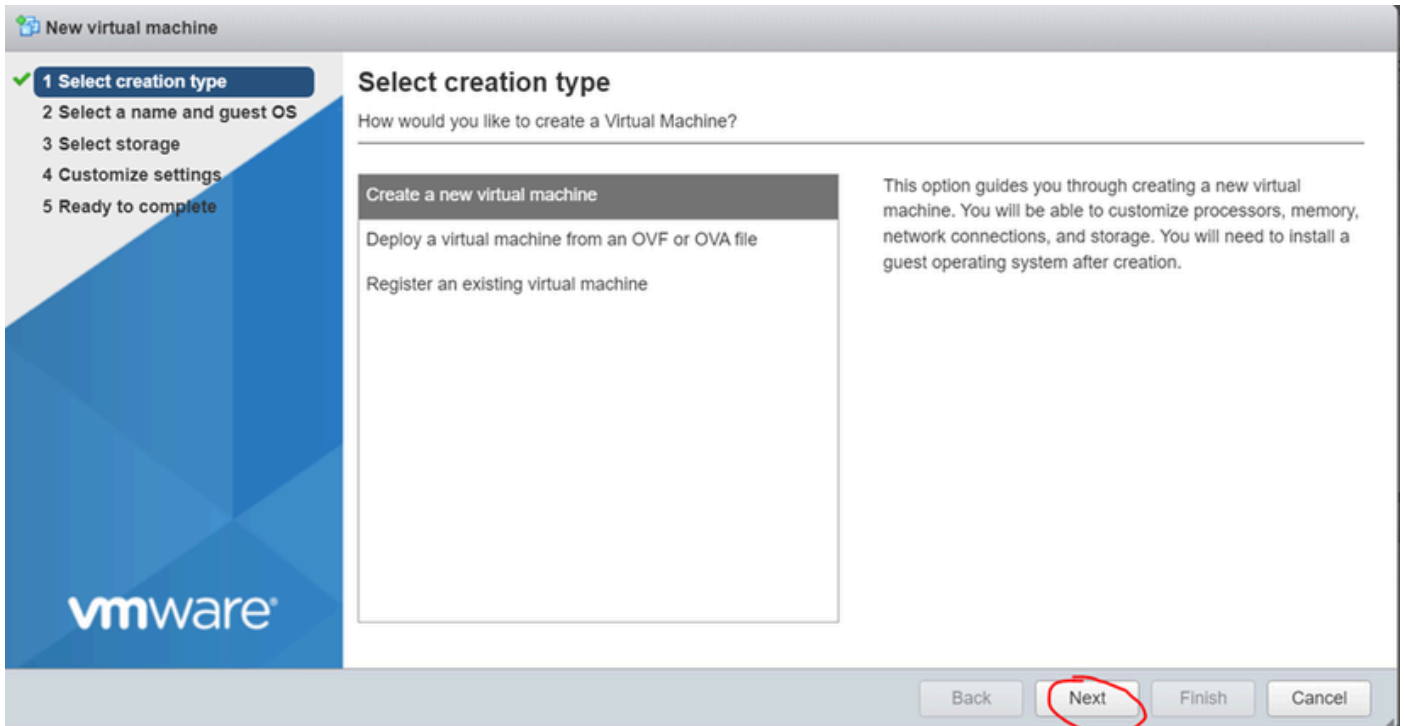
Het uploaden van de ISO is voltooid

5. Maak de virtuele machine. navigeer naar virtuele machine > VM maken / registreren.



Een nieuwe VM-stap maken 01

6. Kies Een nieuwe virtuele machine maken en klik op volgende.

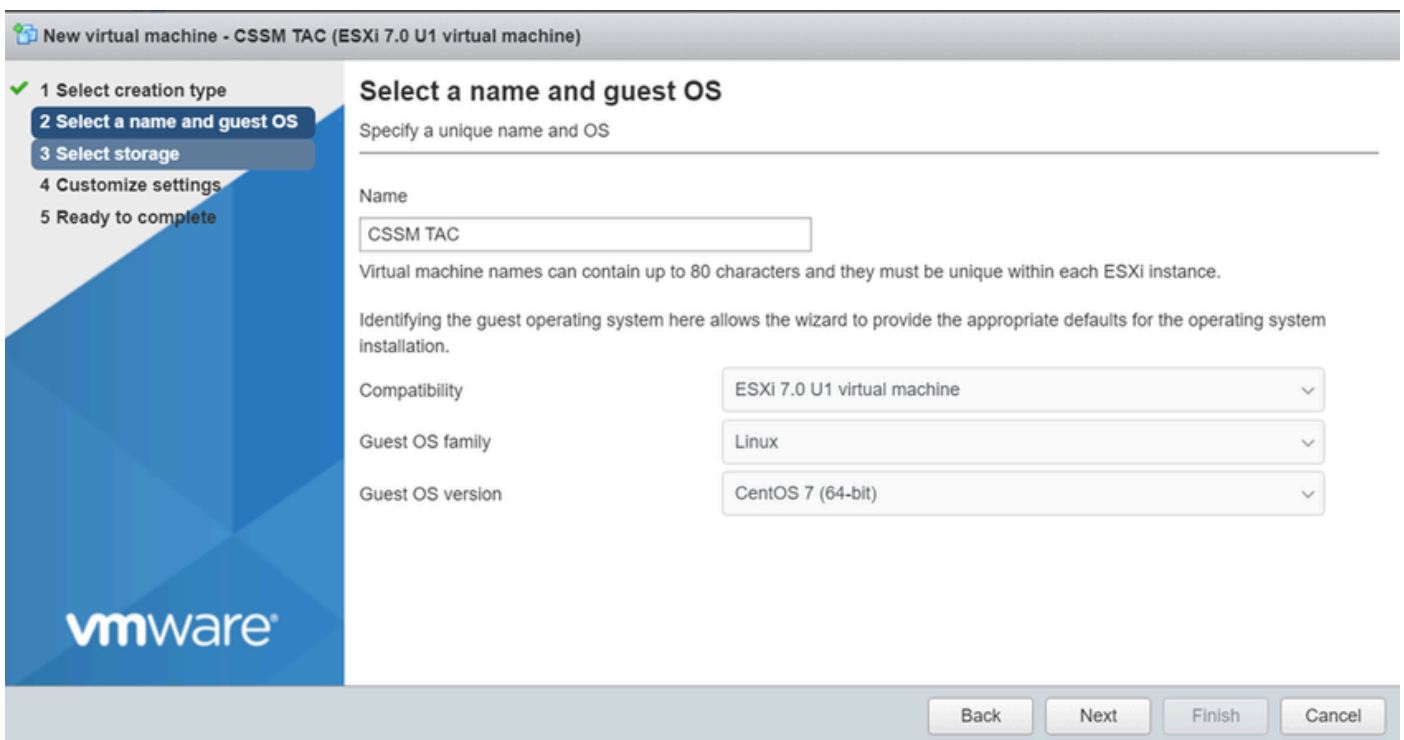


Een nieuwe VM stap 02 maken

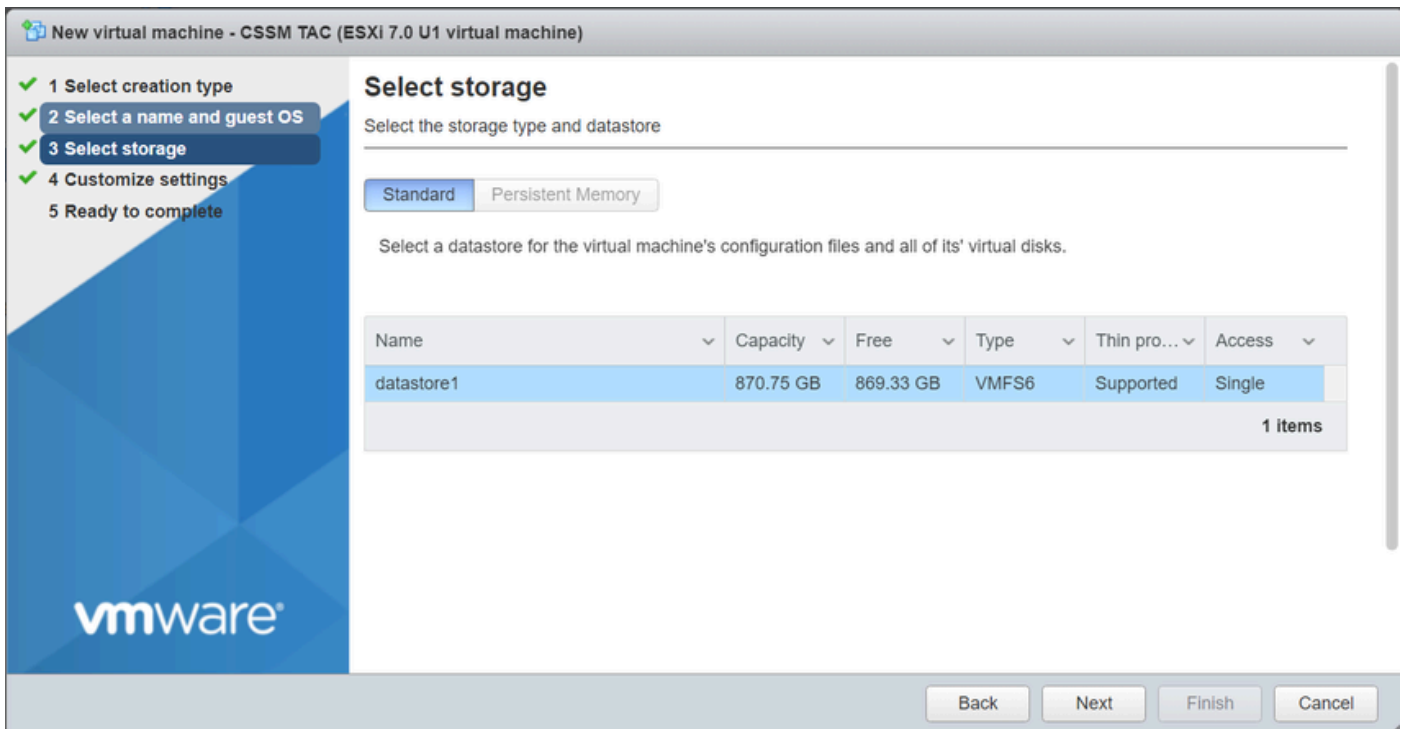
## 7. Configureer vervolgens de volgende parameters:

- Naam: Voer de naam van de virtuele machine in.
- Compatibiliteit: Selecteer ESXi 6.0 of hoger of ESXi 6.5 of hoger.
- Guest OS familie: Linux.
- Gast OS versie: Kies CentOS 7 (64 bit) of Andere 2.6x Linux (64 bit)

Klik op Next (Volgende).



8. Selecteer uw opslag en klik op volgende.



Opslaglijst

9. Configureer de volgende parameters:

- CPU: minimaal 4. De feitelijke vCPU-instelling hangt af van uw schaalvereisten



Opmerking: de hoeveelheid cores per socket moet worden ingesteld op 1, ongeacht het aantal geselecteerde virtuele sockets. Een 4 vCPU-configuratie moet bijvoorbeeld worden geconfigureerd als 4 sockets en 1 kern per socket.

▼ CPU	4 ▼ ⓘ
Cores per Socket	1 ▼ Sockets: 1

Configuratie van kernen

- Geheugen: 8
- Harde schijf: 200 GB en controleer of de provisioning is ingesteld op Thin Provision.



▼  Hard disk 1	200	GB	
Maximum Size	869.33 GB		
Location	[datastore1] CSSM TAC		<input type="button" value="Browse..."/>
Disk Provisioning	<input checked="" type="radio"/> Thin provisioned <input type="radio"/> Thick provisioned, lazily zeroed <input type="radio"/> Thick provisioned, eagerly zeroed		

Schijfconfiguratie

- Netwerkadapter: selecteer het adaptertype E1000 en selecteer Verbinden aan/uit.

▼  Network Adapter 1	VM Network
Status	<input checked="" type="checkbox"/> Connect at power on
Adapter Type	E1000e

Configuratie van netwerkinstellingen

- CD / DVD-station: Kies "Data ISO-bestand" en selecteer het ISO-bestand.

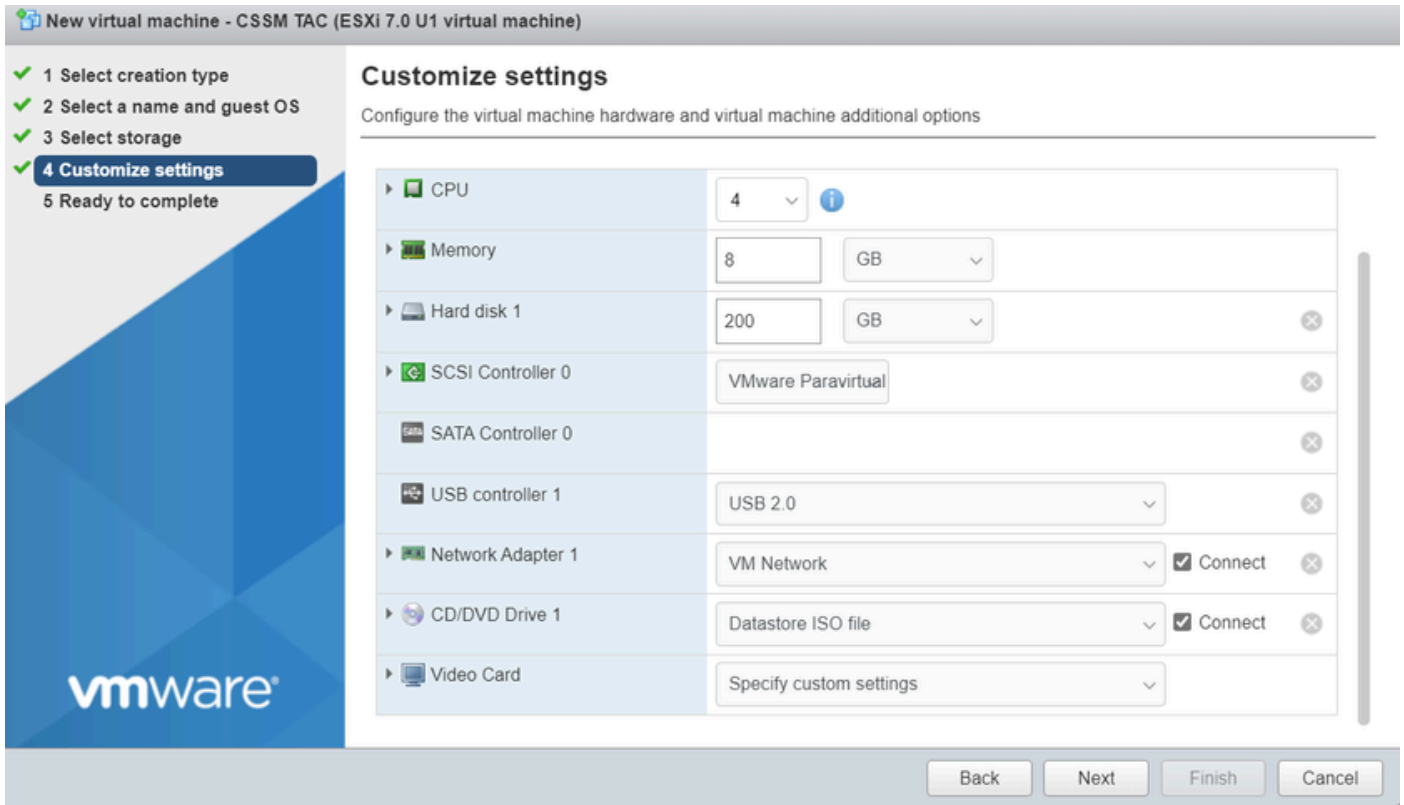
Datastore browser

Upload
 Download
 Delete
 Move
 Copy
 Create directory
 | 
 Refresh

datastore1 vmimages	.sdd.sf CSSM	SSM_On-Prem-8-2...	 SSM_On-Prem-8-2023... 2.92 GB Wednesday, July 26, 2...
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ISO-afbeelding

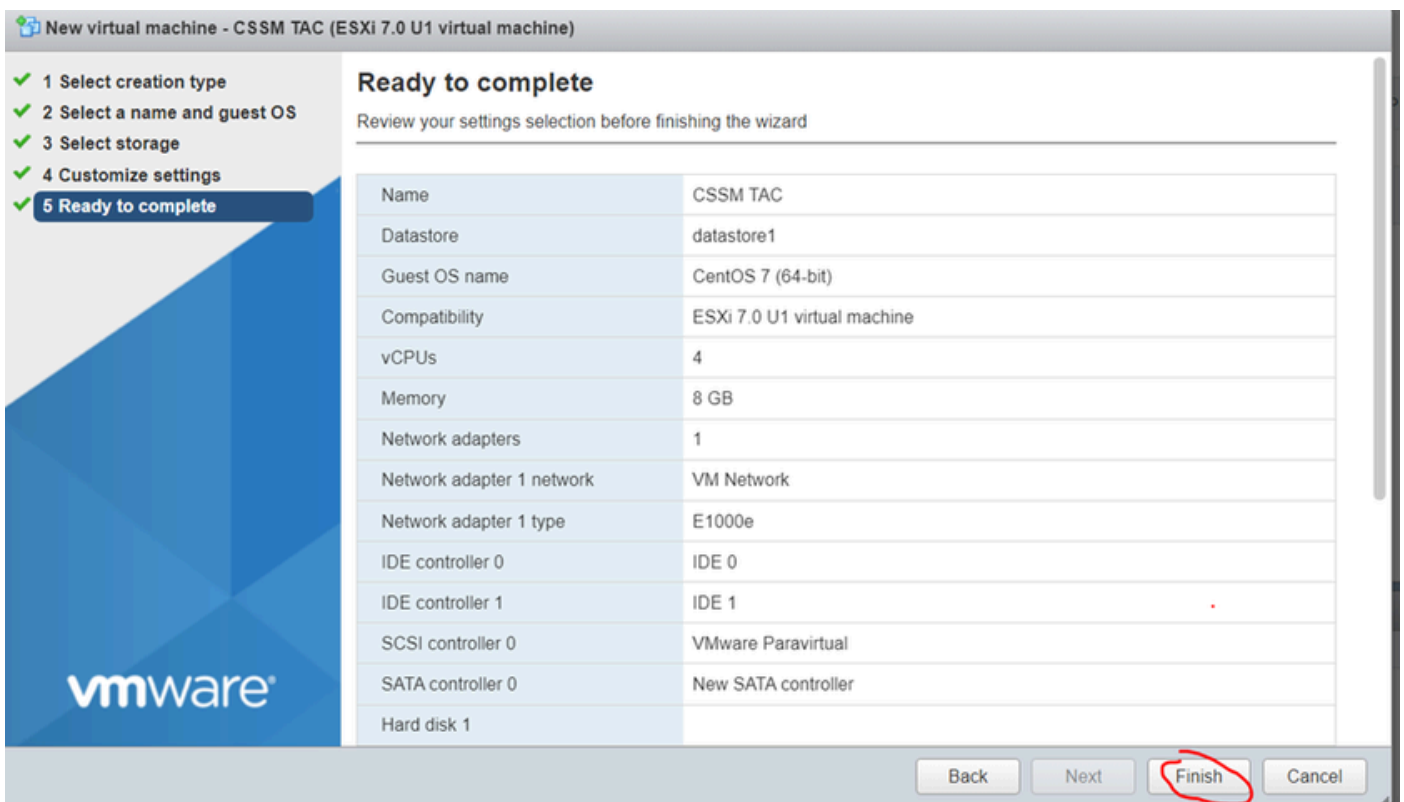
U kunt de samenvatting van de instellingen verifiëren nadat u de vorige stappen hebt voltooid.



Samenvatting VM-configuratie 01

Klik op Next (Volgende).

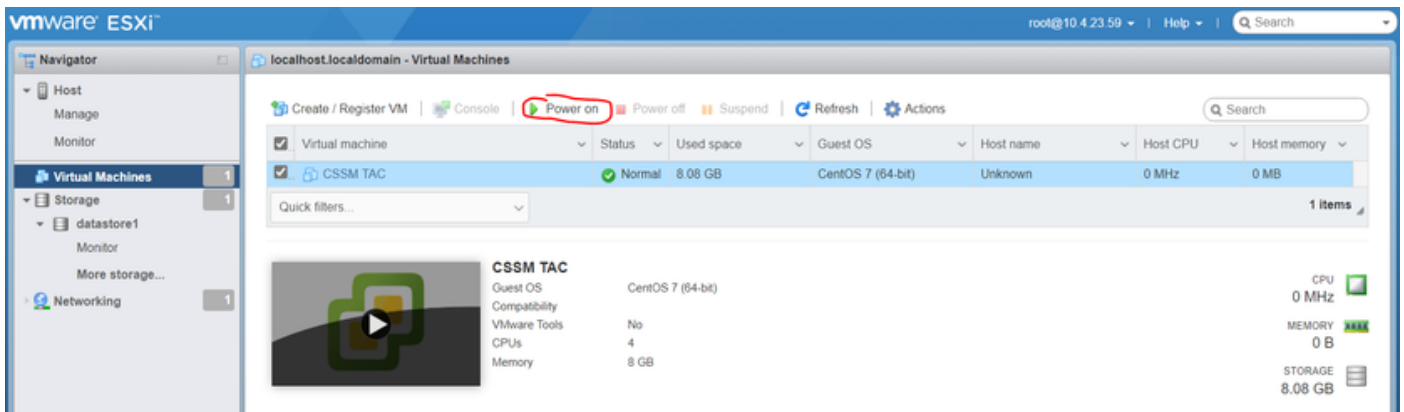
10. Klik op Voltoeien.



Samenvatting VM-configuratie 02

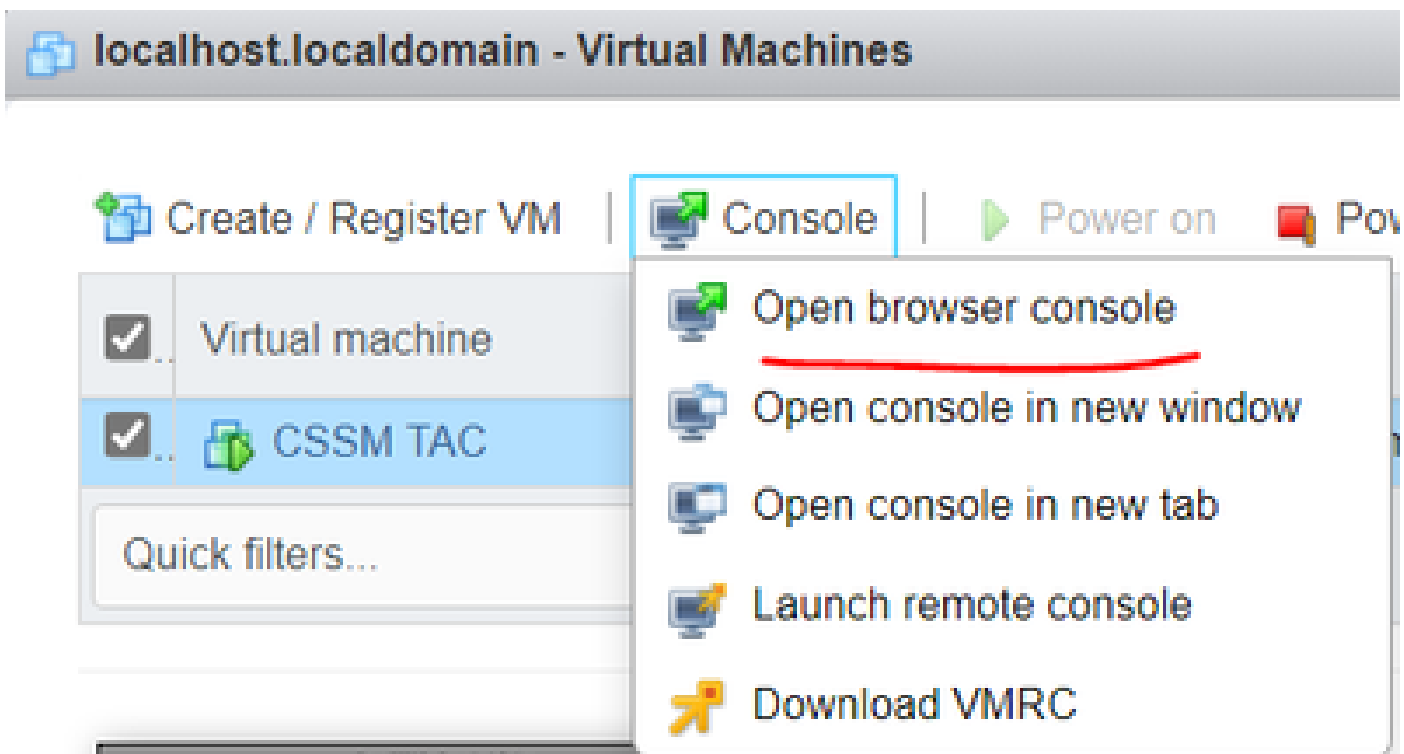
## Eerste configuratie van CSM On-Prem .

1. Navigeer in VMWARE ESXi naar virtuele machines, selecteer uw VM en klik vervolgens op Aan/uit.



Optie Inschakelen

2. U hebt meerdere opties om de VM-console te beheren. Selecteer Console > Open browser console.



Opties voor het beheer van de VM

3. Configureer de netwerkinstellingen.



Opmerking: het is belangrijk om het IP-adres van de DNS-server te configureren die de CSM FQDN oplost.

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Cisco SSM On-Prem Installation

**System Settings:**  
 Hostname:   
 Message Of The Day:  Security Profile:  FIPS 140-2 Mode:

**Hardware Settings:**  
 CPU Model: Intel(R) Xeon(R) CPU E5-2699A v4 @ 2.40GHz CPU Threads: 4 Architecture: 64-bit  
 Total System Memory: 8174636 kB Free Memory: 4330340 kB  
 Available Disks:  sda (200Gb) Encrypt Drive with LUKS:  Enable USB:

**Network Settings:**  
 Network Device:

IPv4 Configuration	IPv6 Configuration
Method: <input type="text" value="Static"/>	Method: <input type="text" value="Disabled"/>
Address: <input type="text" value="10.4.23.60"/>	Address: <input type="text"/>
Netmask: <input type="text" value="255.255.248.0"/>	Prefix: <input type="text"/>
Gateway: <input type="text" value="10.4.16.1"/>	Gateway: <input type="text"/>

**Configure DNS:** Specify more than one with commas

Configuratie van CSSM-netwerkinstellingen

Klik op OK om uw nieuwe CLI-wachtwoord te configureren.

- Vervolgens wordt het installatieproces gestart en voltooid, totdat u de toegangsprompt kunt zien.

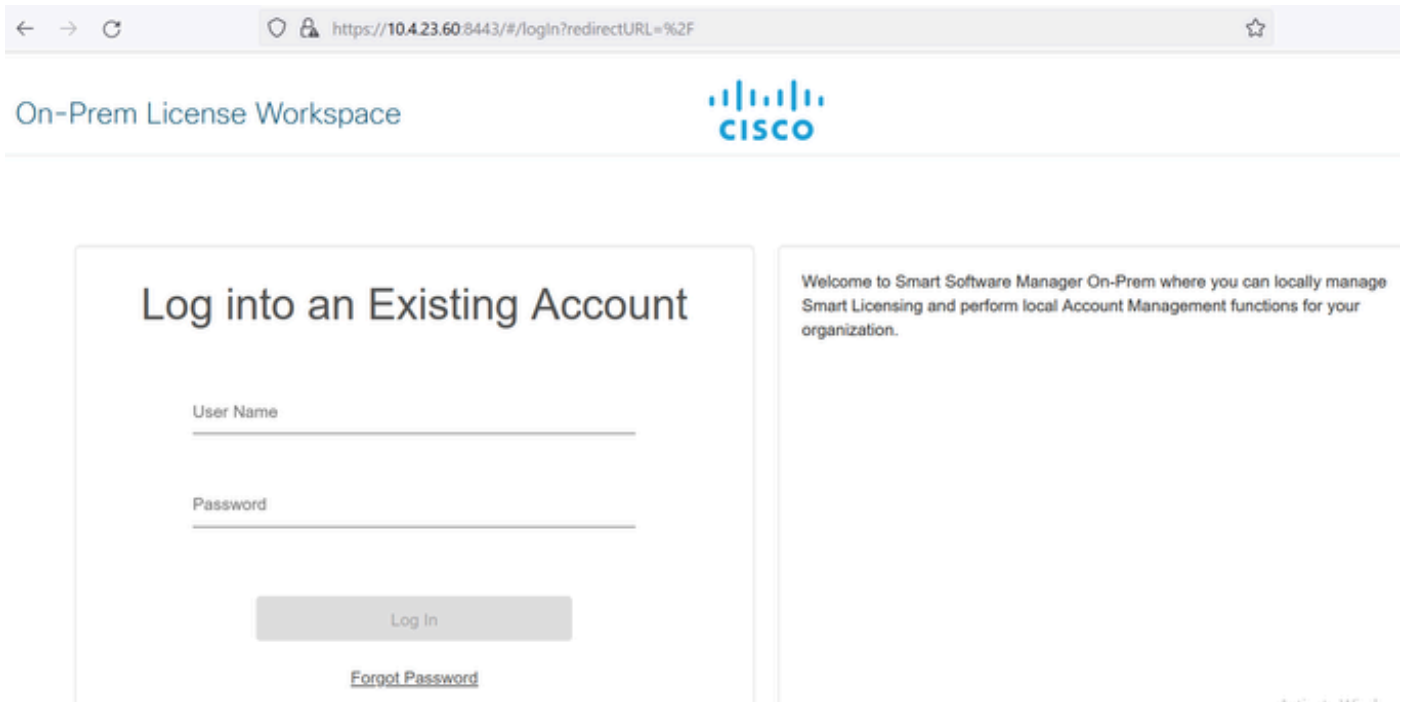
```

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

```

CSSM-initiële configuratie voltooid

5. Open een browser en voer `https://<ip_address_CSM>` in.



On-Prem License Workspace

Log into an Existing Account

User Name

Password

Log In

[Forgot Password](#)

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

CSSM-inlogpagina

Gebruik de standaardreferenties:

Gebruikersnaam: admin

Wachtwoord: Cisco Admin!2345

6. Selecteer uw taal.
7. Maak een nieuw GUI wachtwoord.
8. Configureer de algemene naam van de host. (voorbeeld: hostname.yourdomain).

In dit geval is `csm.testlab.local` geconfigureerd als algemene hostnaam.

# Welcome to Cisco Smart Software Manager On-Prem

STEP 1 System Language Selection    STEP 2 Temporary Password Reset    **STEP 3 Host Common Name**    STEP 4 Review and Confirm

Products that support String SSL Cert Checking require the SSM On-Prem's "Host Common Name" to match the "destination" URL address. For example:

- Products using Smart Transport must use both the "license smart url" configuration and the "cssm.testlab.local" value in the URL string.
- Legacy products using Smart Call Home must use both the "destination address http" configuration and the "cssm.testlab.local" value in the URL string.

**If the above URLs do not match expectations, refer to the SSM On-Prem AdminWorkspace -> Security Widget to change the Host Common Name to the correct value.**

The option to configure alternative names (SAN) is available in Admin Console under Security -> Certificates and can be configured after the initial setup.

\* Host Common Name  
cssm.testlab.local

Back Next

Configuratie van veelvoorkomende namen voor host

## 9. Bevestig uw configuratie en klik op Toepassen.

STEP 1 System Language Selection    STEP 2 Temporary Password Reset    STEP 3 Host Common Name    **STEP 4 Review and Confirm**

Once you click "Apply", you will be redirected to the login page where you will need to login with your new password. Please ensure you have securely stored your password for future logins.

### Review and Confirm

Language Selected: English  
Password Reset: Yes  
Host Common Name: sccmtac.ciscotac.com

Back Apply

CSSM eerste instellingen voltooid.

## Integreren met CSM On-Prem met Smart Account

U moet uw Smart Account koppelen aan uw CSSM On Prem Server.

1. Open uw Cisco Smart-account via de volgende link:

<https://software.cisco.com/>

2. Kies vervolgens Licenties beheren onder de sectie Smart Software Manager.

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	<p>Smart Software Manager</p> <p>Track and manage your licenses. Convert traditional licenses to Smart Licenses.</p> <p><a href="#">Manage licenses &gt;</a></p>	<p>Download and Upgrade</p> <p>Download new software or updates to your current software.</p> <p><a href="#">Access downloads &gt;</a></p>	<p>Traditional Licenses</p> <p>Generate and manage PAK-based and other device licenses, including demo licenses.</p> <p><a href="#">Access LRP &gt;</a></p>
	<p>Manage Smart Account</p> <p>Update your profile information and manage users.</p> <p><a href="#">Manage account &gt;</a></p>	<p>EA Workspace</p> <p>Generate and manage licenses purchased through a Cisco Enterprise Agreement.</p> <p><a href="#">Access EA Workspace &gt;</a></p>	<p>Manage Entitlements</p> <p>eDelivery, version upgrade, and more management functionality is now available in our new portal.</p> <p><a href="#">Access MCE &gt;</a></p>

Licenties beheren, optie

3. Navigeer naar Inventaris en kopieer de naam van uw Smart Account en Virtual Account. In deze handleiding is dit de InternalTestDemoAccount67 en AAA MEX TEST.


The screenshot shows the Cisco Software Central interface. At the top, there is a navigation bar with the Cisco logo and a search icon. Below the navigation bar, a yellow banner displays a "Scheduled Downtime Notification" for License Registration Portal (LRP), Manage Smart Account & Account Administration, Plug-N-Play (PnP), and Smart Software Manager. The main content area is titled "Smart Software Licensing" and includes a breadcrumb trail: "Cisco Software Central > Smart Software Licensing". A dropdown menu in the top right corner shows the account name "InternalTestDemoAccount67.cisco.com". Below this, there are links for "SL Product Details", "Support", and "Help". The "Inventory" tab is selected in the navigation menu. A dropdown menu for "Virtual Account" is set to "AAA MEX TEST". Underneath, there are tabs for "General", "Licenses", "Product Instances", and "Event Log". The "General" tab is active, showing the "Virtual Account" details: "Description: Only for tests" and "Default Virtual Account: No".

Software voor Cisco-pagina

4. Open de CSM GUI en selecteer de optie Admin Workspace.




## Smart Software Manager On-Prem



**License**

Smart Licensing  
Track and manage Smart Licensing



**Administration**

[Request an Account](#)  
Get an Account for your organization. The Account must be approved by your System Administrator or System Operator before it can be used.

[Request Access to an Existing Account](#)  
Submit a request for access to an existing local Account. Approval must be granted by a Smart Account Administrator for your local Account.

[Manage Account](#)  
Modify the properties of your Accounts and associate existing User IDs with Accounts.

Hoofdmenu CSM.

5. Selecteer vervolgens Accounts.

# On-Prem Admin Workspace

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## Smart Software Manager On-Prem



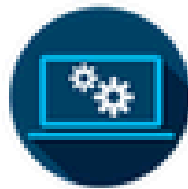
Access  
Management



Settings



Accounts



Support  
Center



API Toolkit



Synchronization



Network



Users



Security

gebruik deze optie om de CSSM On-Prem te registreren met uw Smart Account zonder internet.

OPTIE 1: Registreer uw CSM On-Prem via internetverbinding.

1. Als u Goedkeuren kiest, moet u uw gebruikersnaam en wachtwoord van uw Cisco Smart-account invoeren en op Indienen klikken.

## Account Registration

X

### Enter SSO Credentials

Username \*

otegoma@cisco.com

Password \*

●●●●●●●●●●

Submit

Goedkeuring optie.

Klik vervolgens op Volgende om de accountregistratie te accepteren.

## Account Registration

X

### Review Account Requests

<b>Account Name</b>	Demo Account
<b>Cisco Smart Account</b>	InternalTestDemoAccount67.cisco.com ▼
<b>Cisco Virtual Account</b>	AAA MEX TEST ▼ ⓘ
<b>Requestor Email</b>	otegoma@cisco.com
<b>Request Date</b>	2023-Jul-27 15:00:31
<b>Message to Approver</b>	

Cancel

Next

Rekeningregistratie.

Om de status van de registratie te bevestigen, navigeer naar Account en de status van Account

moet als actief zijn.

Accounts

Account Account Requests Event Log

New Account

Account	Requested By	Cisco Smart Account	Cisco Virtual Account	Account Status	Actions
Demo Account	otegoma@cisco.com	InternalTestDem...	AAA MEX TEST	Active	Actions

Showing All 1 Records

Rekeningstatus.

Open nu uw Smart Account (<https://software.cisco.com/>). Selecteer vervolgens de optie On-Prem-accounts om het nieuwe register te zien.

Cisco Software Central

Smart Software Licensing

InternalTestDemoAccount67.cisco.com

SL Product Details Support Help

Alerts Inventory Convert to Smart Licensing Reports Preferences On-Prem Accounts Activity

On-Prem Accounts

New On-Prem...

Name	Product Instances	Last Sync Up from On-Prem	Last Sync Down to On-Prem	Synchronization Due	Version	Alerts	Actions
Demo Account	0	2023-Jul-27 15:19:24	2023-Jul-27 15:19:25	2023-Aug-26 15:19:25	8-202304		Actions

Showing 1 Record

Voorafgaande rekening.

OPTIE 2: Registreer uw CSM On-Prem zonder een internetverbinding.

Als u Handmatige registratie kiest, klikt u op Registratiebestand genereren. Hierdoor wordt een registratieaanvraag gemaakt die naar uw computer wordt gedownload.

## Manual Registration



1. Generate an Account Registration File using the button below and save the file to your PC

[Generate Registration File](#)

2. Register the Account with your Smart Account on Smart Software Manager

- Log into Cisco Smart Software Manager
- Navigate to the "Satellites" section of Smart Software Licensing and click the "New satellite..." button
- When prompted, upload the Account Registration File
- An Account Authorization File will be generated. Download the file to your PC

3. Upload this Account Authorization File below

Browse...

Upload

Handmatige registratie.

Open vervolgens uw Smart Account (<https://software.cisco.com/>) en navigeer naar On-Prem accounts.

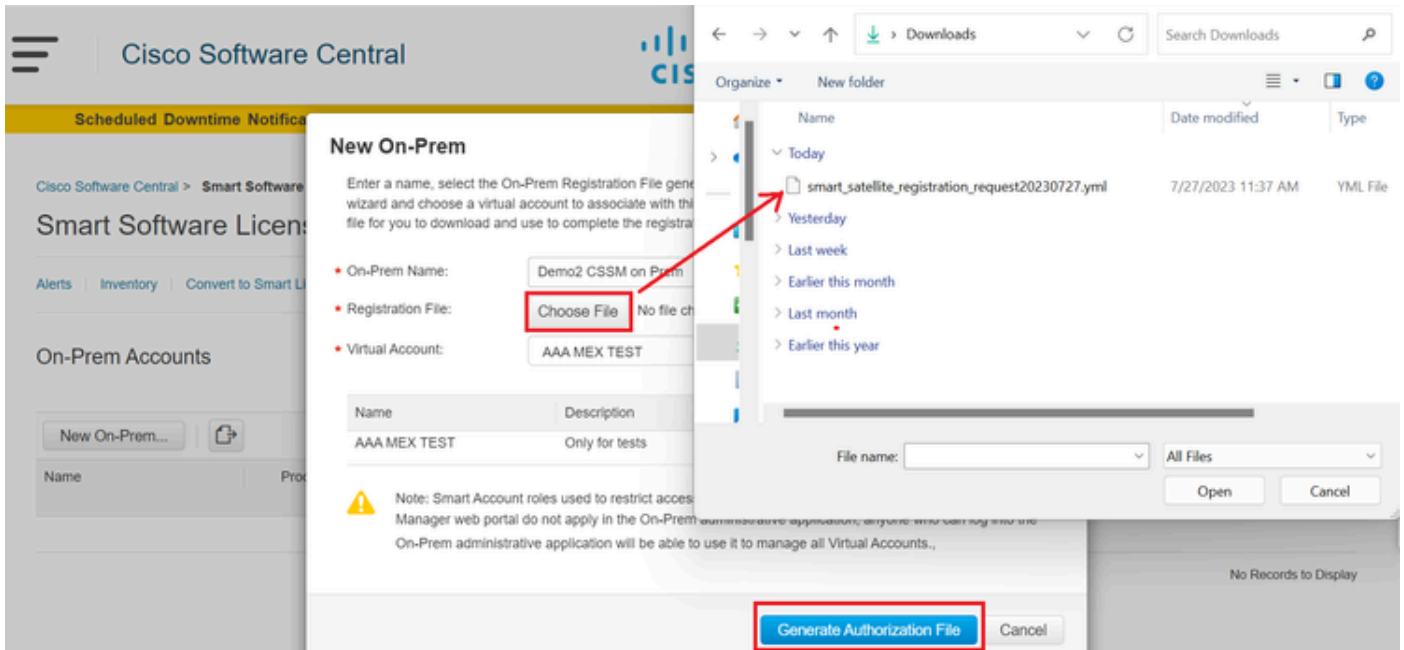
Klik op Nieuwe on-première

The screenshot shows the Cisco Software Central interface. At the top, there is a navigation bar with the Cisco logo and a search icon. Below the navigation bar, the page title is 'Smart Software Licensing'. The main content area is titled 'On-Prem Accounts'. In the top left corner of this section, there is a button labeled 'New On-Prem...' which is circled in red. To the right of this button is a search bar with the placeholder text 'Search by Name'. Below the search bar is a table with columns: Name, Product Instances, Last Sync Up from On-Prem, Last Sync Down to On-Prem, Synchronization Due, Version, Alerts, and Actions. The table currently shows 'No Records Found'. In the top right corner of the 'On-Prem Accounts' section, there is a notification icon with a red dot and the text 'Major' and 'Hide Alerts'.

Nieuwe on-prem toevoegen.

Configureer vervolgens de volgende parameters:

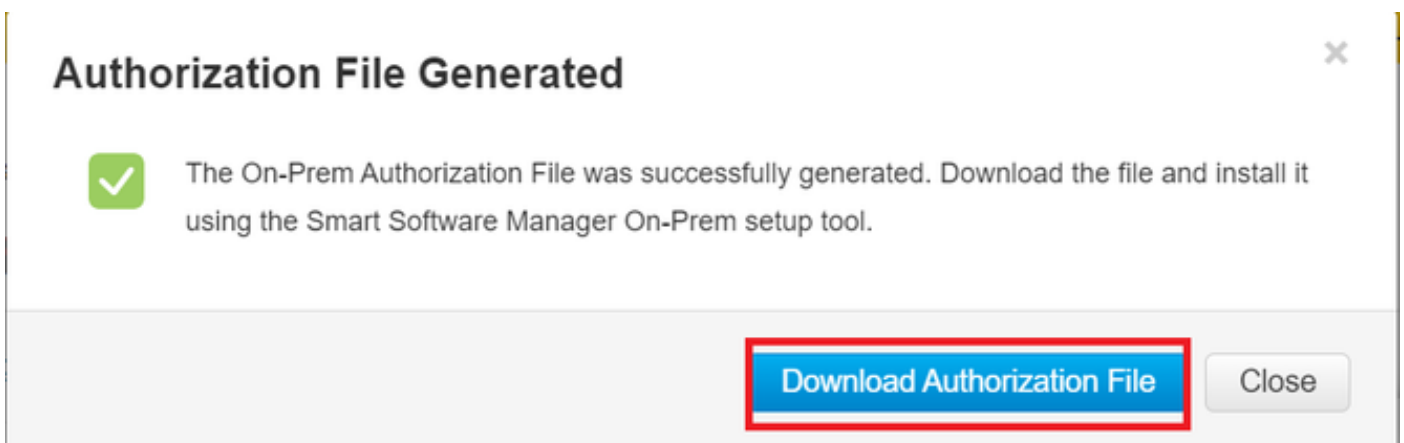
- On-Prem Naam: Dit is een aangepaste naam van het nieuwe register.
- Registratiebestand: Klik op Kies bestand en selecteer de registratieaanvraag.
- Virtuele account: Plak uw virtuele accountnaam.



Vergunningsbestand.

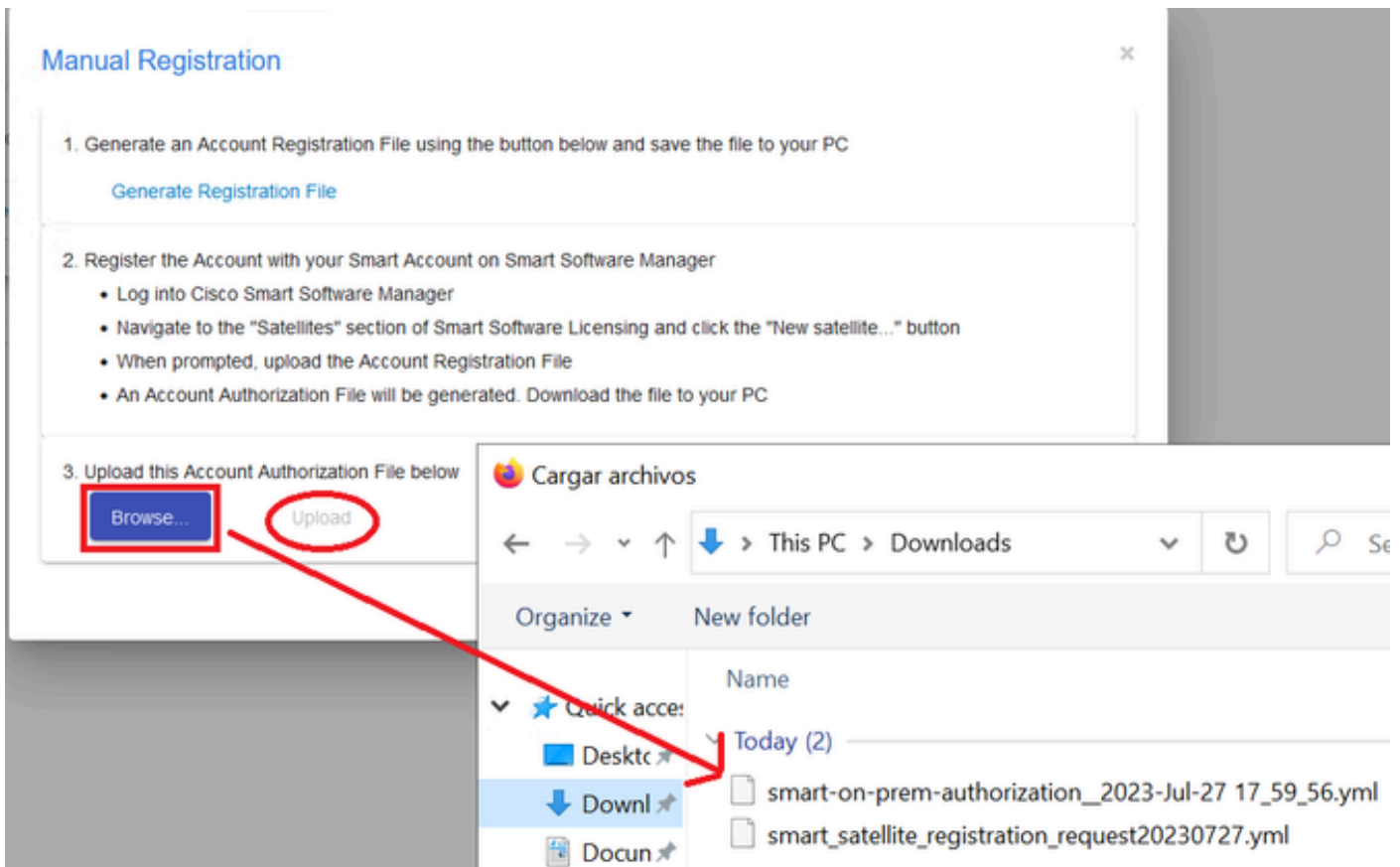
En klik op Generate Authorisation File.

Download vervolgens het autorisatiebestand.



Licentiebestand downloaden.

Open de CSSM GUI om het autorisatiebestand te uploaden. Klik op Bladeren, kies het bestand en klik vervolgens op Upload.



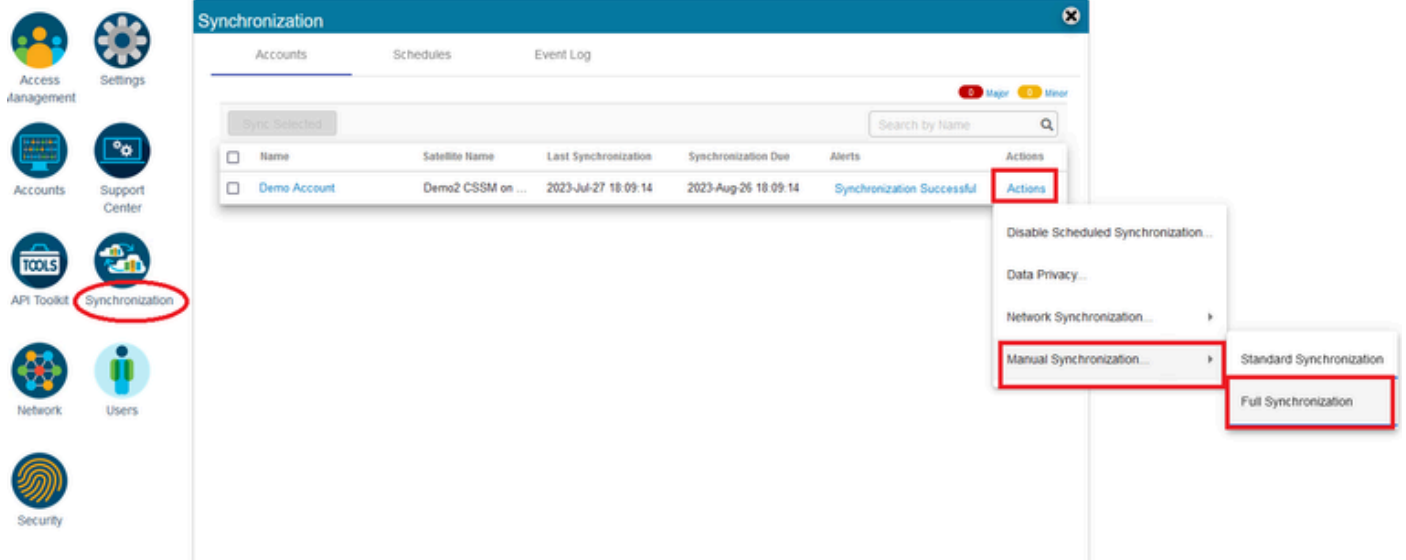
Machtigingsbestand uploaden.

Navigeer vervolgens naar Synchronisatie en klik op Acties > Handmatige synchronisatie > Volledige synchronisatie.

On-Prem Admin Workspace

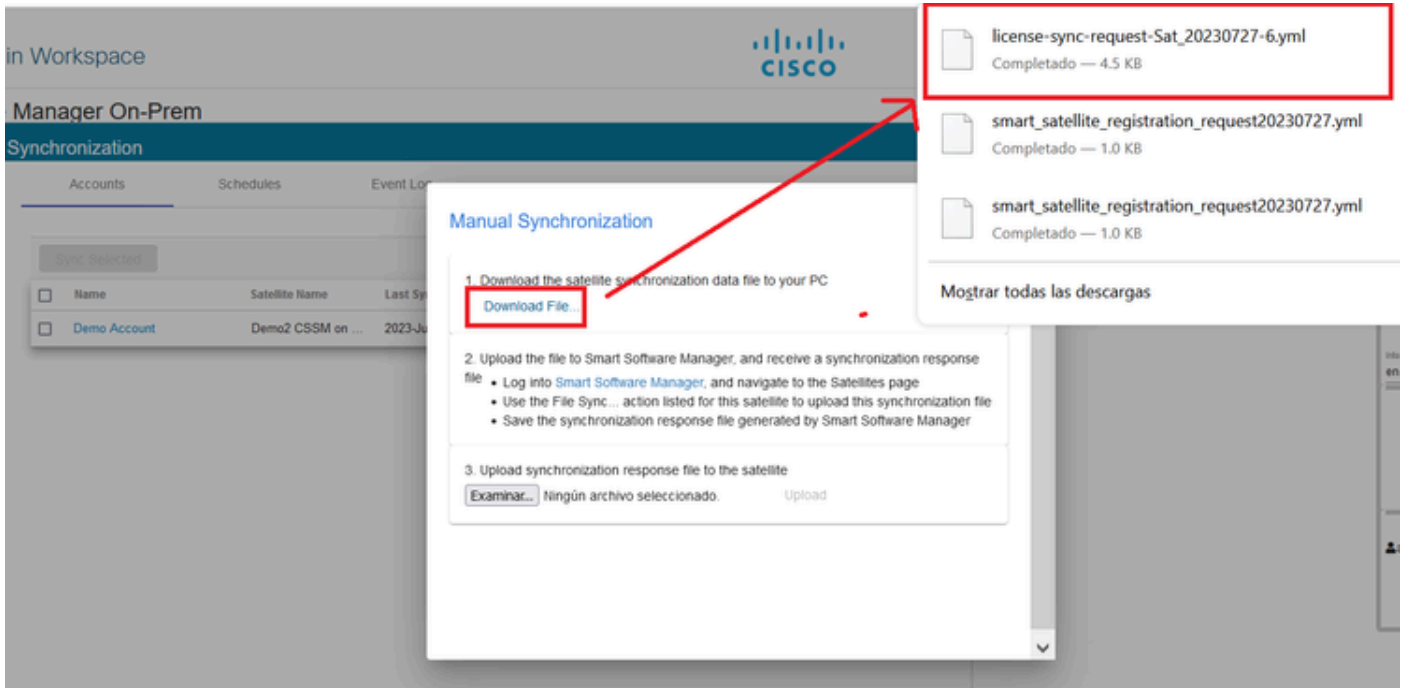


Smart Software Manager On-Prem



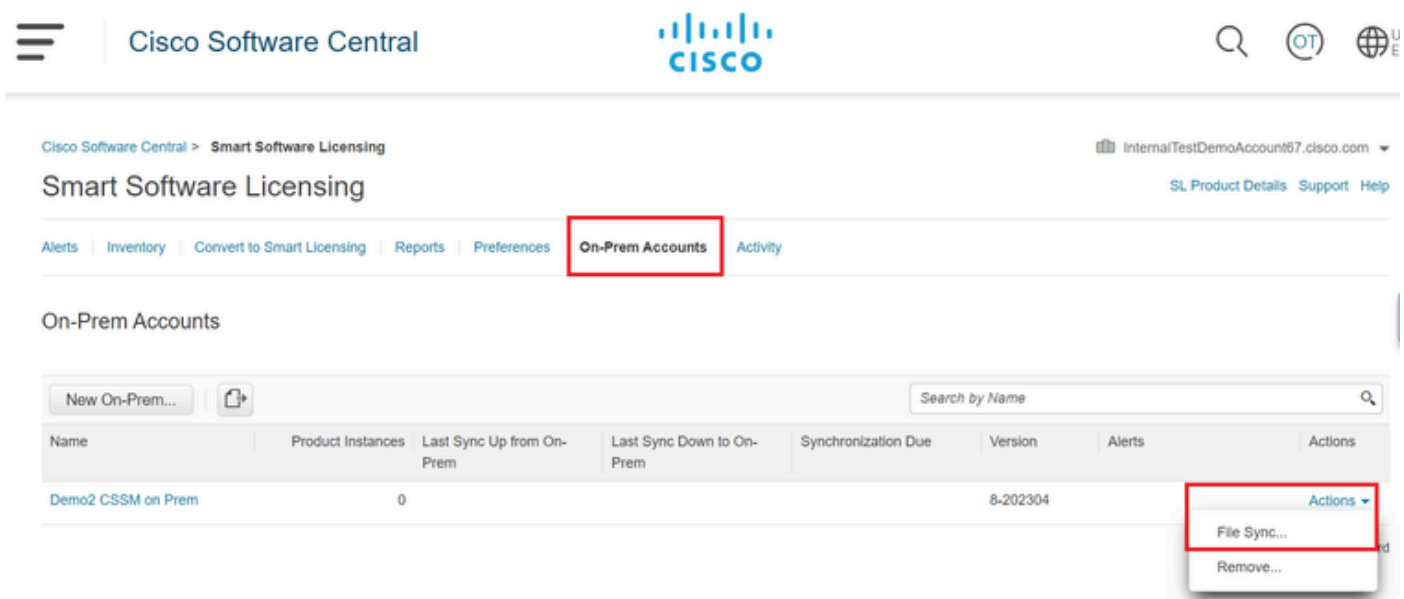
Handmatige sync.

Download het sync-aanvraagbestand.



Bestandssynchronisatie downloaden.

Open uw Smart Account en selecteer On-Prem Account, zoek vervolgens naar uw CSSM On-Prem naam in de lijst en klik op Acties > File Sync



Bestandssynchronisatie uploaden.

Upload vervolgens het Sync request bestand en klik op Generate Response File.

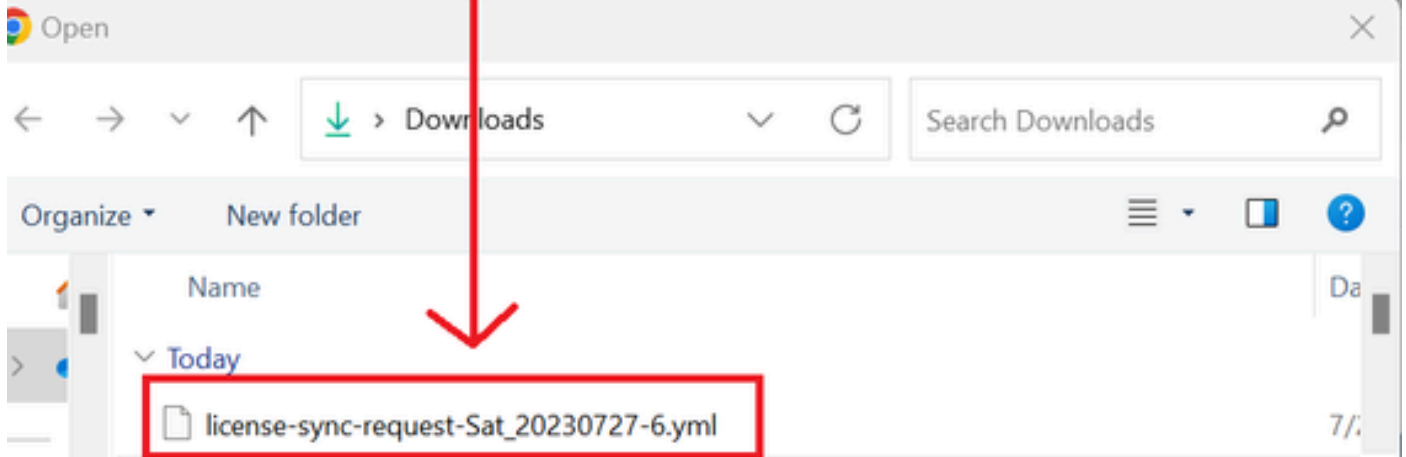


## Synchronize On-Prem



Upload the synchronization file generated by the Smart Software Manager On-Prem and click generate response file.

\* Synchronization File:  license-syn...30727-6.yml



Genereer een antwoordbestand.

Klik vervolgens op Download Synch Response File

Cisco Software Central > Smart Software Licensing

InternalTestDemoAccount67.cisco.com

### Smart Software Licensing

SL Product Details Support Help

Alerts Inventory Convert to Smart Licensing Reports Preferences On-Prem Accounts Activity

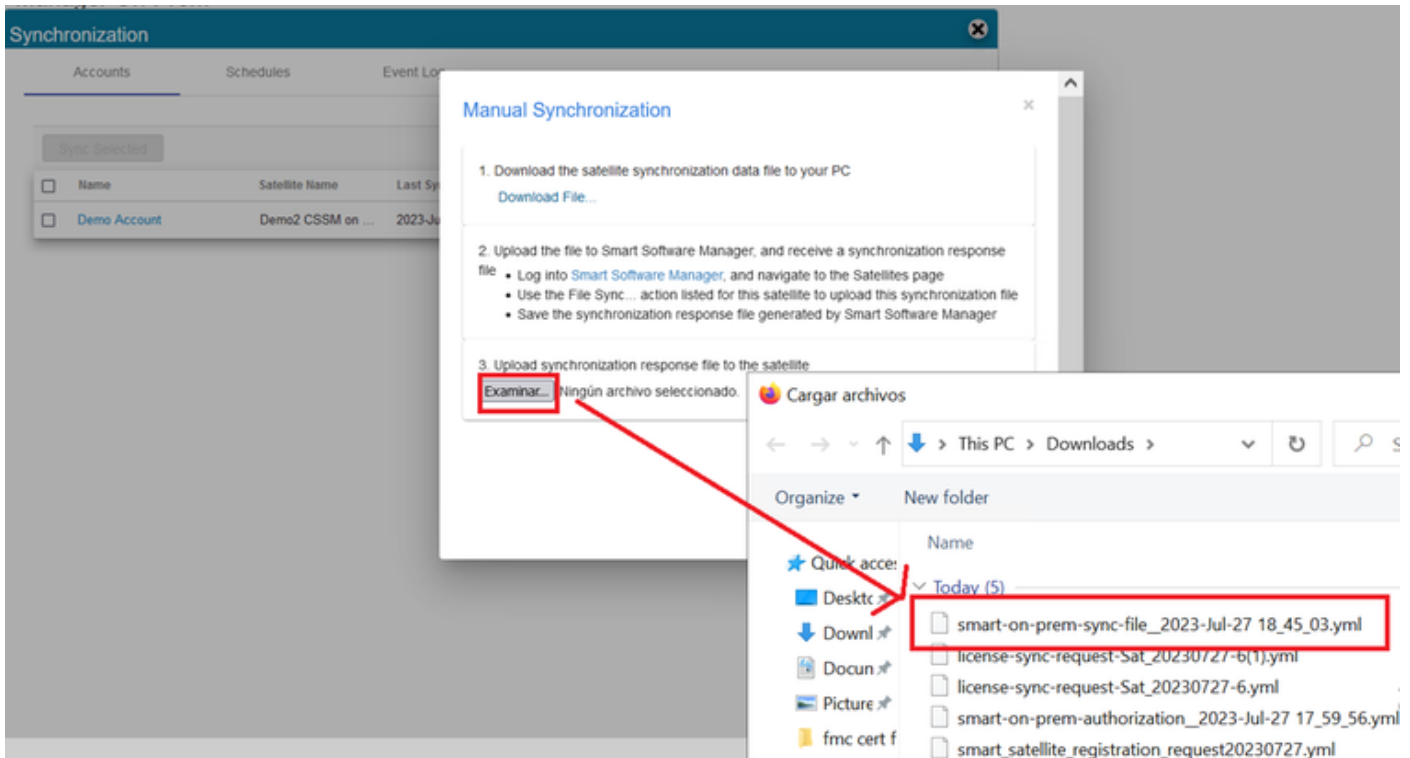
#### On-Prem Accounts

Name	Product Instances	Last Sync Up from On-Prem	Last Sync Down to On-Prem	Synchronization Due	Version	Alerts	Actions
Demo2 CSSM on Prem	0	2023-Jul-27 18:41:40	2023-Jul-27 18:39:20	2023-Aug-26 18:41:40	8-202304	<input type="button" value="Download Synch File"/>	Actions

Showing 1 Record

Sync-bestand.

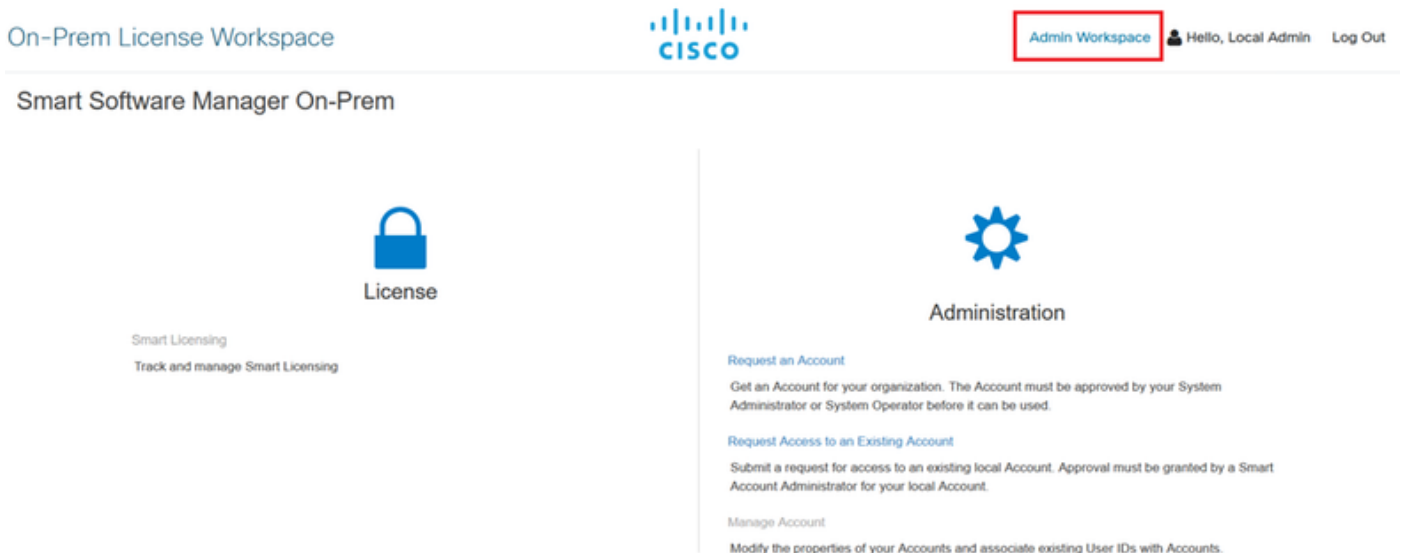
Upload tot slot het Synch Response File in de CSM op Premise.



Synchronisatie voltooid.

## Integreer CSM On-Prem met ISE.

1. Open de CSM GUI en selecteer Admin Workspace.



Hoofdmenu CSM.

2. Navigeren naar Beveiliging > Certificaten > CSR genereren



Opmerking: het is belangrijk dat het hostname + domein op de gemeenschappelijke hostnaam is geconfigureerd, omdat ISE deze parameter gebruikt om een verbinding met het CSM tot stand te brengen. U kunt een IP-adres gebruiken in plaats van de hostnaam + domein, maar het is aan te raden om de hostnaam + domein te gebruiken

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Opmerking: de volgende stappen beschrijven de procedure om het GUI-certificaat in de CSM te installeren. Als u de beheerverbinding met uw GUI CSM wilt beveiligen met behulp van een certificaat dat is ondertekend door uw persoonlijke certificeringsinstantie (CA), moet u de volgende stappen controleren. Controleer anders direct stap 9.

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Security

Account Password Certificates Event Log

Product Certificate

Host Common Name  
cssm.testlab.local

Subject Alternative Name

Save

NOTE: The Host Common Name is typically composed of Host + Domain Name(FQDN) and will look like "www.yoursite.com" or "yoursite.com". The SSL Server Certificate used for product communications is specific to the Common Name that has been issued at the Host. Therefore, the Common Name must match the Web address you will use to configure the Cisco Product when connecting to SSM On-Prem. The Common name is a part of the Subject Alternative Name by default. If you change the Common Name or add Subject Alternative Name, you must resynchronize your Local Account in order for Cisco to issue a new product certificate(TG cert).

Browser Certificate

Add Generate CSR

localhost  
(Default Certificate) EXPIRATION DATE: 2025-JUL-16

CA Certificates

Add

Description	Subject	Expires On	Created	Actions
No Records Found				

MVO-optie.

3. Voer vervolgens uw persoonlijke gegevens in. Let erop dat de alternatieve onderwerpnaam automatisch wordt aangemaakt met dezelfde waarde als de algemene naam. De CSR wordt automatisch gedownload nadat u op Generate hebt geklikt.

## Generate CSR

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

**Generate**

Cancel

MVO-gegevens.

4. Onderteken de MVO: Voor meer informatie controleer de "[Maak certificaten van Windows CA](#)." op dit document.
5. Upload het root CA certificaat.

## Browser Certificate

localhost  
(Default Certificate)

File Home Share View

certs

This PC > Desktop > certs

CA Certificates

Add

Description Sul

CSSM cer

Root CA

CA. wortel uploaden

Klik op Doorgaan.



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:

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

For HA deployments

1. 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.

Proceed

Ga verder.

6. Voer een beschrijving in, kies het basiscertificaat en klik op OK.

## Upload Certificate

\* Description:

\* Certificate:

Beschrijving root CA.

7. Upload de door de CA ondertekende CSR (CSSM Identity Certificate).

Browser Certificate

localhost  
(Default Certificate)

CA Certificates

File Explorer: Desktop > certs

2 items

CSSM cer

Root CA

Search by Description

Description	Subject	Expires On	Created	Actions
RootCA	/DC=com/DC=ciscotac/CN=ci	2026-Jul-24 09:26:34	2023-Jul-30 19:41:06	<a href="#">Actions</a>

CSSM-identiteitsbewijs uploaden.



Opmerking: In ons geval bestaat het Intermediate Certificate niet in onze CA. Als u echter een tussentijds certificaat gebruikt in uw architectuur, is het tussentijds certificaat verplicht.

8. Bevestig vervolgens dat beide certificaten zijn geïnstalleerd.

#### 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](#)

Validering van certificaten.

## 9. Maak een token op de SSM On-Prem: selecteer Licentie-werkruimte.

On-Prem Admin Workspace

CISCO

Licensing Workspace Log Out

Smart Software Manager On-Prem

Access Management Network Support Center

Accounts Security Synchronization

API Toolkit Settings Users

System Health

Good Your machine is working well

Server Name SSM-On-Prem

Version 8-202304

Uptime 3 days

Resource Monitor Percentage

CPU |

RAM |

DISK |

Interface

ens192 ↑ 6.9 MB/s ↓ 37 KB/s

Recent Alerts

Werkruimtepagina.

## 10. Ga naar Smart Licensing.

On-Prem License Workspace

CISCO

Admin Workspace Hello, Local Admin Log Out

Smart Software Manager On-Prem

Demo Account

License

Smart Licensing

Track and manage Smart Licensing

Administration

Request an Account

Get an Account for your organization. The Account must be approved by your System Administrator or System Operator before it can be used.

Request Access to an Existing Account

Submit a request for access to an existing local Account. Approval must be granted by a Smart Account Administrator for your local Account.

CSSM slimme licentiepagina

## 11. Zoek uw lokale virtuele account, klik vervolgens op Nieuw token en klik op Doorgaan.

Local Virtual Account: [Default](#)

General | Licenses | Product Instances | SL Using Policy | Event Log

### Local Virtual Account

Description: This is the default virtual account created during company account creation.  
Default Local Virtual Account: Yes

### Product Instance Registration Tokens

The registration tokens below can be used to register new product instances to this Local Virtual Account. For products that support Smart Transport, you must configure the "license smart uri" on the product to use the [Smart Transport Registration URL](#). For products that support Smart Licensing Using Policy that use csu as transport, you must configure the "license smart transport csu" to use the [CSLU Transport URL](#). For legacy products that still use Smart Call Home, you must configure the "destination address http" on the product to use the [Smart Call Home Registration URL](#). The recommended method is Smart Transport. Please consult your Products Configuration Guide for setting the destination URL value.

New Token...

Nieuwe token-optie.

12. Selecteer Token maken en kopieer het.

## Create Registration Token



This dialog will generate the token required to register your product instances with your Account .

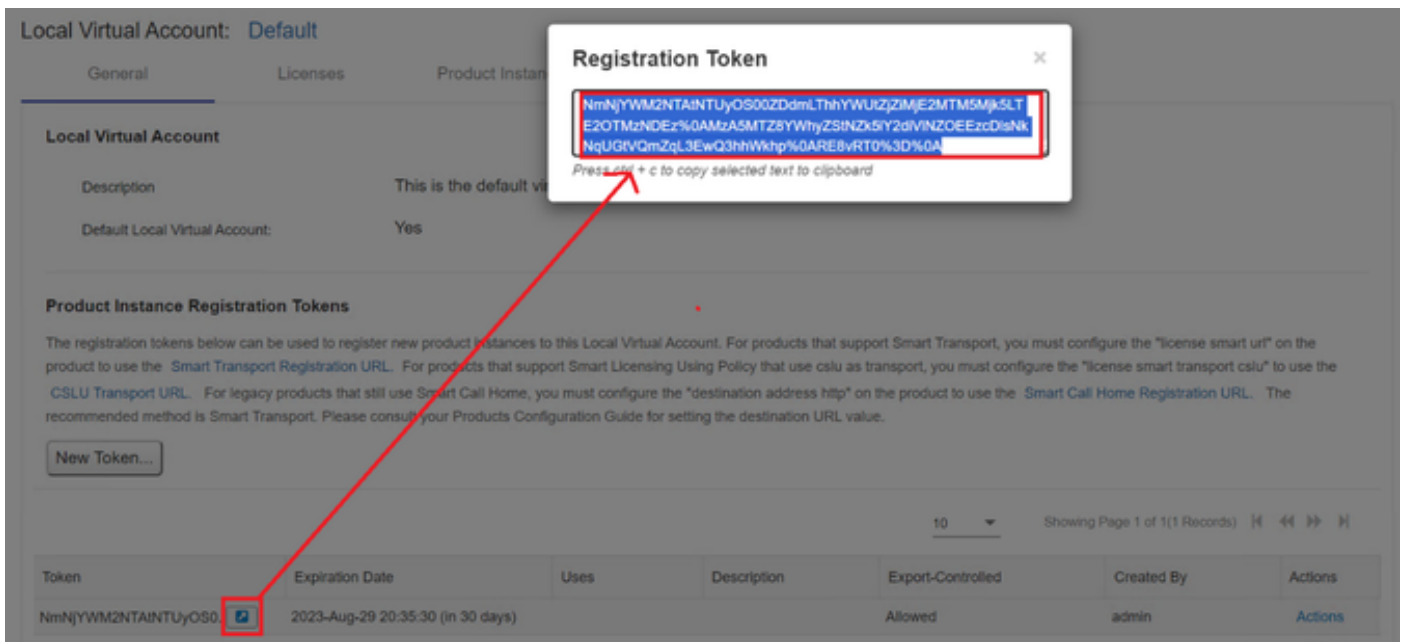
Local Virtual Account	Default
Description	<input type="text"/>
Expire After	<input type="text" value="30"/> Days <i>Enter a value between 1 and 9999, but Cisco recommends a maximum of 30 days</i>
Max. Number of Uses	<input type="text"/> <i>The token will be expired when either the expiration or the maximum uses is reached.</i>

Allow export-controlled functionality on the products registered with this token

Create Token

Cancel

Creatie van een nieuw token.



Token details.

13. Open de ISE GUI en navigeer naar Beheer > Systemen > Licentie, klik vervolgens op Registratiedetails, selecteer de SSM On-Prem server Host method, en plak het token.

## 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
- 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

NmNjYWM2NTAINTUyOS00ZDdmLThhYWU

Registratie van vergunningen.

14. Voer de SSM On-Prem FQDN in op de SSM On-Prem server Host en klik op Registreer.

## CSSM configuration

Security

Account Password Certificates Event Log

Product Certificate

Host Common Name  
cssm.testlab.local

Subject Alternative Name

Save

NOTE: The Host Common Name is typically composed of Host + Domain Name(FQDN) and will look like "www.yoursite.com" or "yoursite.com". The SSL Server Certificate used for product communications is specific to the Common Name that has been issued at the Host. Therefore, the Common Name must match the Web address you will use to configure the Cisco Product when connecting to SSM On-Prem. The Common name is a part of the Subject Alternative Name by default. If you change the Common Name or add Subject Alternative Name, you must resynchronize your Local Account in order for Cisco to issue a new product certificate(TG cert).

Browser Certificate

Add Generate CSR

cssm.testlab.local

EXPIRATION DATE: 2025-JUL-18

## ISE configuration

Connection Method  
SSM On-Prem server

SSM On-Prem server Host  
cssm.testlab.local

Note: Cisco Support Diagnostics will not work with SSM On-Prem server registration.

Tier  
 Essential  Advantage  Premier  Device Admin

Virtual Appliance  
 ISE VM License

This enables the ISE features for the purchased licenses to be tracked by Cisco Smart Licensing.

By clicking Register you will agree to the Terms&Conditions. You can download Terms&Conditions on [Smart Licensing Resources](#).

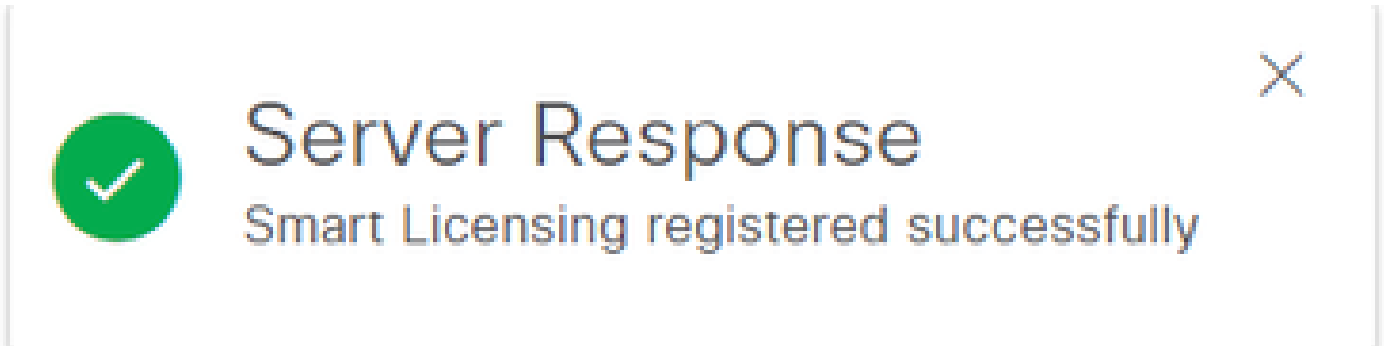
Cancel Register

CSSM- en ISE-instellingen.

Opmerking: het is belangrijk dat hostname + domein op de gemeenschappelijke hostnaam is geconfigureerd omdat ISE deze parameter gebruikt om een verbinding met

CSSM tot stand te brengen. U kunt een IP-adres gebruiken in plaats van de hostnaam + domein, maar het is aan te raden de hostnaam + domein te gebruiken

15. En ten slotte is de registratie afgerond.

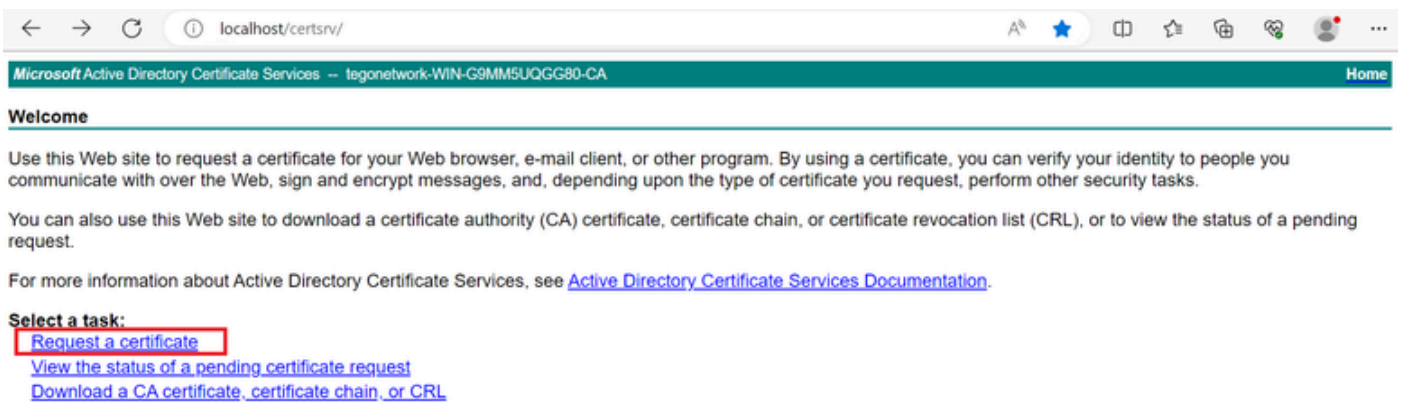


Registratie voltooid.

## Certificaten maken van Windows CA.

Als u de beheerder van de certificeringsinstantie bent, moet u het volgende doen:

1. Open een webbrowser en navigeren naar <http://localhost/certsrv/>
2. Klik op Certificaat aanvragen.



Certificaat aanvragen.

3. Klik op Geavanceerd certificaatverzoek.



Geavanceerd certificaatverzoek.

4. Open de eerder gegenereerde CSR. Kopieer de informatie en plak deze op de aanvraag Opgeslagen.

The screenshot shows a Notepad window on the left with a CSR file named 'sccntac.ciscotac.com.csr'. The content of the CSR is a base-64 encoded certificate request, starting with '-----BEGIN CERTIFICATE REQUEST-----' and ending with '-----END CERTIFICATE REQUEST-----'. A red box highlights the entire CSR content.

On the right, a web browser window shows the 'Microsoft Active Directory Certificate Services' interface. The browser address bar shows 'localhost/certsrv/certrqxt.asp'. The page title is 'Microsoft Active Directory Certificate Services -- ciscotac-ca'. The main heading is 'Submit a Certificate Request or Renewal Request'. Below this, there is a section for 'Saved Request:' with a text area containing the same base-64 encoded CSR content as in the Notepad window. A red arrow points from the Notepad window to this text area. Below the text area is a 'Submit >' button, which is also highlighted with a red box.

Certificaat indienen.

Nadat u op Verzenden hebt geklikt, wordt het certificaat automatisch gedownload.

5. Download nu de CA certificaat root. navigeer terug naar <http://localhost/certsrv/> en selecteer Download een CA certificaat, certificaat keten, of CRL.

The screenshot shows the 'Welcome' page of the Microsoft Active Directory Certificate Services. The page has a green header with the text 'Welcome'. Below the header, there is a paragraph of text explaining the purpose of the site: '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.' Below this, there is another paragraph: '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.' At the bottom, there is a section titled 'Select a task:' with three links: 'Request a certificate', 'View the status of a pending certificate request', and 'Download a CA certificate, certificate chain, or CRL'. The last link is highlighted with a red box.

Download root CA.

6. Download het CA-certificaat met behulp van de coderingsmethode als Base64.

## 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:

Current [ciscotac-ca]

Encoding method:

DER  
 Base 64

[Download CA certificate](#)

[Download CA certificate chain](#)

[Download latest base CRL](#)

---

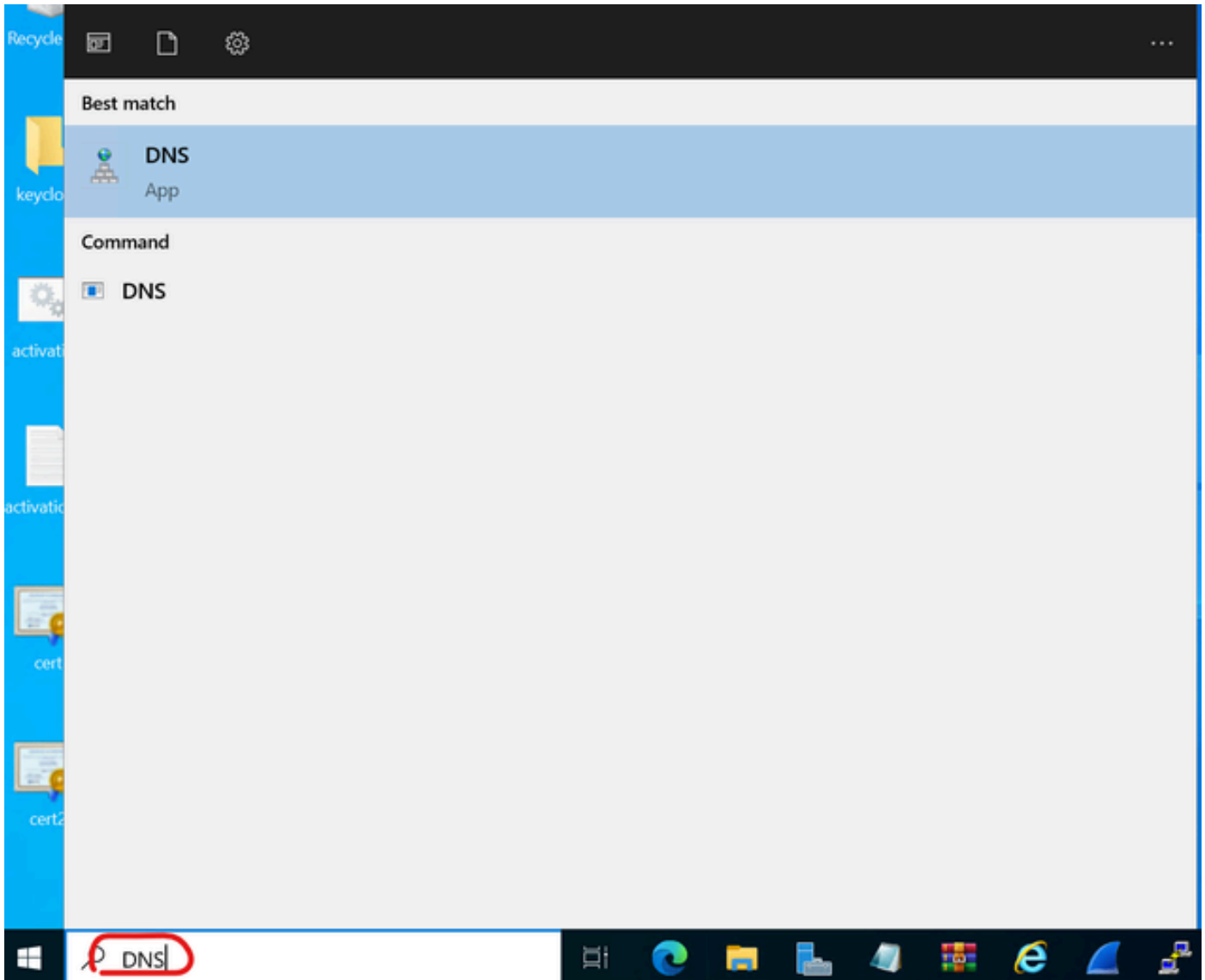
Base 64-optie.

DNS-records toevoegen op Windows-server.

Als u de beheerder bent, voeg dan de ISE- en CSSM-FQDN's toe.

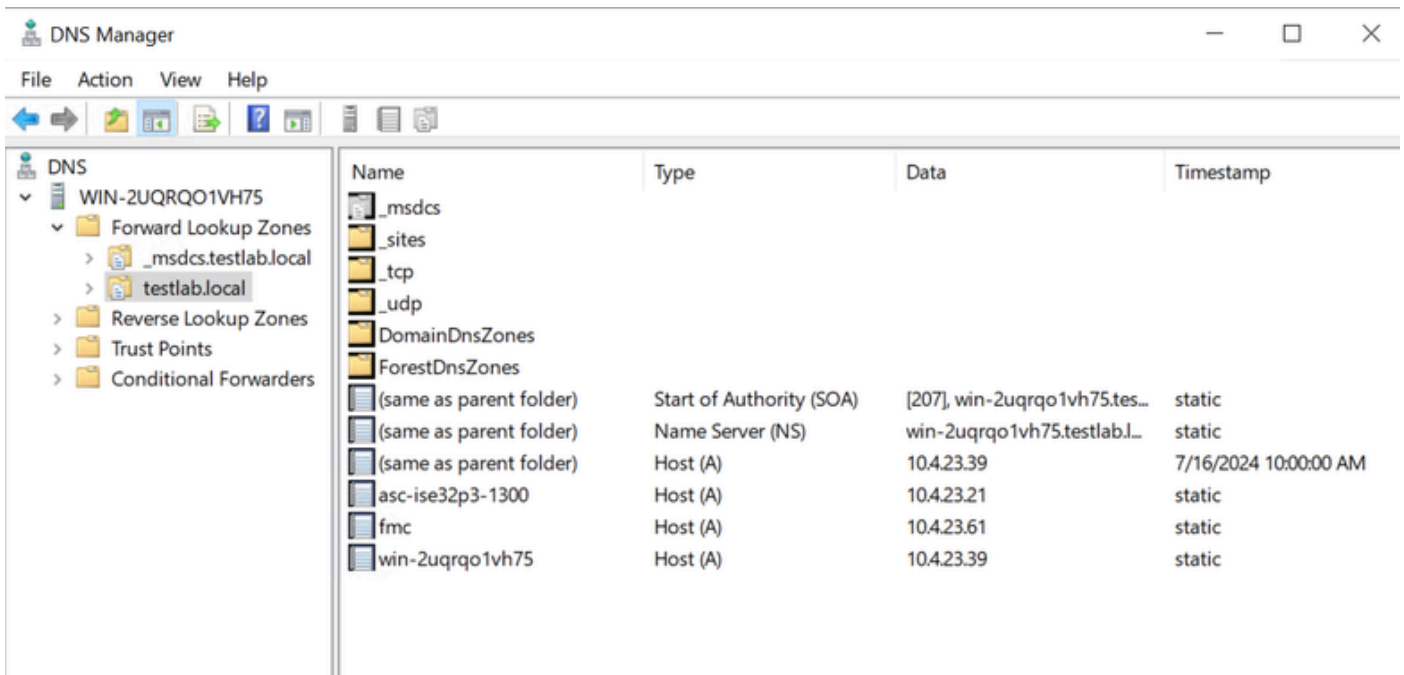
1. Open DNS Manager: Type "DNS" in de Windows zoeker en open de DNS app.





DNS-optie.

2. Navigeer naar Forward Lookup Zones > En kies uw domein.



DNS-beheer.

3. Klik met de rechtermuisknop op een zwarte ruimte op het scherm en selecteer "New Host (A of AAA)"

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



## Over deze vertaling

Cisco heeft dit document vertaald via een combinatie van machine- en menselijke technologie om onze gebruikers wereldwijd ondersteuningscontent te bieden in hun eigen taal. Houd er rekening mee dat zelfs de beste machinevertaling niet net zo nauwkeurig is als die van een professionele vertaler. Cisco Systems, Inc. is niet aansprakelijk voor de nauwkeurigheid van deze vertalingen en raadt aan altijd het oorspronkelijke Engelstalige document ([link](#)) te raadplegen.