

# **Configure the Center**

- Install Cisco Cyber Vision, on page 1
- Cisco Cyber Vision configuration, on page 4

# **Install Cisco Cyber Vision**

Access the Cisco Cyber Vision installation wizard:

### Procedure

Step 1	With your browser, access https:// <centername>/.</centername>		
	Note	Accessing the Center using its name enables HTTPS secure interface. Yet, this requires a DNS or local host configuration to associate the name and the IP address. The Center access through its IP address is possible but the connection is not secure.	
Step 2 Step 3	The setuj Create a	o wizard used for the first access to Cisco Cyber Vision is displayed: n admin account:	

	Please follow this few steps to be fully ready to use the product	
Create the first user	agree to the license terms	<ul> <li>✓ Done</li> </ul>
Firstname :	Lastname *:	
Email		
Password :	Confirm password :	
Suggested password: \$kvIH2Qq*odz90fj0E3	00	

Step 4

**Step 5** Enter the information required.

**Note** Email will be asked for login access.

**Note** Passwords must contain at least 6 characters and comply with the rules below. Passwords:

- Must contain a lower case character: a-z.
- Must contain an upper case character: A-Z.
- Must contain a numeric character: 0-9.
- Cannot contain the user id.
- Must contain a special character: ~!"#\$%&'()\*+,-./:;<=>?@[]^\_{{]}.

Passwords should be changed regularly to ensure the integrity of the platform and the industrial network security.

**Note** You can reset users using the following command in the Center's CLI:

sbs-db reset-users

### **Step 6** Accept the software license agreement:

	cisco	
	Welcome to Cyber Vision	
	Please follow this few steps to be fully ready to use the product	
Create the first user	Agree to the license terms	🕢 Done
nd User License Agreement		
ffective: May 22, 2017		
"Using" means to download, install	. activate. access or otherwise use the Software.	"Software" means the Cisco
Using" means to download, install computer programs and any Upgrades 'Documentation" is the Cisco user pplicable to the Software and mad ii) the Cisco authorized reseller Entitlement" means the license de PID) published on Cisco's price 1 pdates, upgrades, bug fixes, erro opies thereof. able of Contents	I, activate, access or otherwise use the Software. s made available to You by an Approved Source and J or technical manuals, training materials, specific de available to You by an Approved Source. "Approve ', distributor or systems integrator from whom you tail; including license metric, duration, and quan list, claim certificate or right to use notificatio or corrections, enhancements and other modification	"Software" means the Cisco Licensed to You by Cisco. sations or other documentation ad Source" means (1) Cisco or acquired the Software. tity provided in a product ID on. "Upgrades" means all is to the Software and backup
Using" means to download, install computer programs and any Upgrades Documentation" is the Cisco user upplicable to the Software and mac ii) the Cisco authorized reseller Entitlement" means the license de PID) published on Cisco's price 1 pdates, upgrades, bug fixes, erro opies thereof. Table of Contents . Acceptance of Terms	I, activate, access or otherwise use the Software. s made available to You by an Approved Source and J or technical manuals, training materials, specifi de available to You by an Approved Source. "Approve r, distributor or systems integrator from whom you etail; including license metric, duration, and quan list, claim certificate or right to use notificatio or corrections, enhancements and other modification	"Software" means the Cisco Licensed to You by Cisco. sations or other documentation ed Source" means (i) Cisco or acquired the Software. ntity provided in a product ID on. "Upgrades" means all as to the Software and backup

Step 7

### **Step 8** Finish the installation:

The Center is now correctly installed and Cisco Cyber Vision is ready to operate.

**Step 9** Click Start to Explore.



Cisco Cyber Vision installation is now complete.

### What to do next

If you aim to use an enterprise certificate, proceed with Configure the user interface security, on page 13.

If you already installed a self-signed certificate, and if you are installing a Global Center or a synchronized Center, proceed with Configure Center data synchronization, on page 18.

If you already installed a self-signed certificate, and if you are installing a standalone Center, you can start installing the sensors. To do so, refer to the corresponding Cisco Cyber Vision Sensor Installation Guides.

# **Cisco Cyber Vision configuration**

Once the Basic Center configuration is done, you must connect through a web browser to the URL displayed on the last step of the basic configuration wizard (i.e. the Center's IP address). A message saying that the URL is not secure will appear.

- If you plan to use a self-signed certificate, you must Install the certificate in your browser, on page 4
  and then access the Install Cisco Cyber Vision to configure users and sensors.
- If you plan to use an enterprise certificate, you must ignore the security message and perform the following steps in this order:
- 1. Access the Install Cisco Cyber Vision to configure users and sensors.
- 2. Configure the user interface security itself.

Then, you will configure the Centers data synchronization (Global Center and its Centers' only).

### **Browser requirements:**

Cisco Cyber Vision supports Chrome 54, Firefox 49 and newer versions.

### Install the certificate in your browser

This task explains how to intall a Cisco Cyber Vision self-signed certificate in your browser.

### Before you begin

Perform this task if you aim to install a self-signed certificate. If you're planning to use an enterprise certificate, proceed directly with Install Cisco Cyber Vision, on page 1.

#### Procedure

Step 1	Open your browser.
Step 2	Enter 'http:// <centeripaddress>/ca.crt' inside the search bar.</centeripaddress>
	The certificate is downloaded.
Step 3	Save the certificate on your computer.

Step 4In the browser, access the settings.Example: Chrome

	-	- 0	×
	☆		0 :
New tab			Ctrl+T
New window			Ctrl+N
New incognito w	indow	Ctrl+	Shift+N
History			Þ
Downloads			Ctrl+J
Bookmarks			Þ
Zoom	- 100	% +	53
Print			Ctrl+P
Cast			
Find			Ctrl+F
More tools			•
Edit	Cut	Сору	Paste
Settings			
Help			×
Exit			
Managed by you	ır organizat	ion	

**Step 5** Type 'certificate' in the search bar and access the certificates management menu.

Q certificate	⊗
Privacy and security	
Sync and Google services More settings that relate to privacy, security, and data collection	÷
Allow Chrome sign-in By turning this off, you can sign in to Google sites like Gmail without signing in to Chrome	
Send a "Do Not Track" request with your browsing traffic	
Allow sites to check if you have payment methods saved	
Preload pages for faster browsing and searching Uses cookies to remember your preferences, even if you don't visit those pages	
Manage <mark>certificate</mark> s Manage HTTPS/SSL <mark>certificate</mark> s and settings	Ľ
Manage security keys Reset security keys and create PINs	•
Site Settings Control what information websites can use and what content they can show you	•
Clear browsing data Clear history, cookies, cache, and more	•

**Step 6** Access the Trusted Root Certification tab and click Import.

Issued To		Issued By	Expiratio	Friendly Name	- í
and the second	- 100	Address Science CA.		Section (Additional)	
- Carlonana (	-	Batteriore Cyber Trust	10000	Dage and Baltiman	
a carbon ca		Carton CA	1000000	Carton	
Carbon No.		Cardon Hugene Anton.	10,000	Carlos human	
		Care Road CA 2018	14010.000		
		Care Real Co. M.			
		Care Real Co. MI	1000		
Comment of the		Case And Al	10000	- Contract	
Import Certificate intend	Export ded purpos	. Remove	Email, Code Sign	Adv	ance

A certificate importation wizard opens.

**Step 7** Go to the next step.



**Step 8** Search for the certificate you downloaded earlier.

**Step 9** Go to the next step.



**Step 10** Accept the default values by accessing the next step.

Certificat	e Store		
Certificate stores are system areas where certificates are kept.			
Wind the o	lows can automatically select a certificate store, or you can specify a location fo certificate.		
(	Automatically select the certificate store based on the type of certificate		
(	Place all certificates in the following store		
	Certificate store:		
	Trusted Root Certification Authorities Browse		

**Step 11** The certificate is now considered as trusted by the browser. It will be imported as soon as you will click Finish.

← 🛛 ᡒ Certificate Import Wizard	×
Completing the Certifi	cate Import Wizard
The certificate will be imported after	r you dick Finish.
You have specified the following set	ttings:
Certificate Store Selected by User	Trusted Root Certification Authorities
Content File Name	Certificate
The rome	C. Users (marrer pownoads (card r
	Finish Cancel

### What to do next

Install Cisco Cyber Vision, on page 1

# **Install Cisco Cyber Vision**

Access the Cisco Cyber Vision installation wizard:

### Procedure

Step 1	With your browser, access https:// <centername>/.</centername>		
	Note	Accessing the Center using its name enables HTTPS secure interface. Yet, this requires a DNS or local host configuration to associate the name and the IP address. The Center access through its IP address is possible but the connection is not secure.	
Step 2 Step 3	The setu Create a	p wizard used for the first access to Cisco Cyber Vision is displayed: an admin account:	

Q Create the first user	Agree to the license terms	(✓) Done
/ +		
Firstname :	Lastname :	
Email <sup>*</sup> :		
Password :	Confirm password :	
Suggested password: \$kvIH2Qq*odz90fj0E3		

Step 4

**Step 5** Enter the information required.

**Note** Email will be asked for login access.

**Note** Passwords must contain at least 6 characters and comply with the rules below. Passwords:

- Must contain a lower case character: a-z.
- Must contain an upper case character: A-Z.
- Must contain a numeric character: 0-9.
- Cannot contain the user id.
- Must contain a special character: ~!"#\$%&'()\*+,-./:;<=>?@[]^\_{{]}.

Passwords should be changed regularly to ensure the integrity of the platform and the industrial network security.

**Note** You can reset users using the following command in the Center's CLI:

sbs-db reset-users

**Step 6** Accept the software license agreement:

Print Contractor Sciences (Second	.1 11 11 CISCO					
	Welcome to Cyber Vision					
	Please follow this few steps to be fully ready to use the product					
A Create the first user	Agree to the license terms	<ul><li>✓ Done</li></ul>				
End User License Agreement						
Effective: May 22, 2017						
This is an agreement between You and Software. "You" and "Your" means the "Using" means to download, install, computer programs and any Upgrades of "Documentation" is the Cisco user of applicable to the Software and made (ii) the Cisco authorized reseller, "Entitlement" means the license det (PID) published on Cisco's price list updates, upgrades, bug fixes, error copies thereof.	This is an agreement between You and Cisco Systems, Inc. or its affiliates ("Cisco") and governs your Use of Cisco Software. "You" and "Your" means the individual or legal entity licensing the Software under this EULA. "Use" or "Using" means to download, install, activate, access or otherwise use the Software. "Software" means the Cisco computer programs and any Upgrades made available to You by an Approved Source and licensed to You by Cisco. "Documentation" is the Cisco user or technical manuals, training materials, specifications or other documentation applicable to the Software and made available to You by an Approved Source. "Approved Source" means (i) Cisco or (ii) the Cisco authorized reseller, distributor or systems integrator from whom you acquired the Software. "Entitlement" means the license detail; including license metric, duration, and quantity provided in a product ID (PID) published on Cisco's price list, claim certificate or right to use notification. "Upgrades" means all updates, upgrades, bug fixes, error corrections, enhancements and other modifications to the Software and backup copies thereof.					
Table of Contents						
1. Acceptance of Terms						
	A copy of the license can be found at cisco.com	⊘ Agree				

### Step 7

### **Step 8** Finish the installation:

The Center is now correctly installed and Cisco Cyber Vision is ready to operate.

**Step 9** Click Start to Explore.



Cisco Cyber Vision installation is now complete.

### What to do next

If you aim to use an enterprise certificate, proceed with Configure the user interface security, on page 13.

If you already installed a self-signed certificate, and if you are installing a Global Center or a synchronized Center, proceed with Configure Center data synchronization, on page 18.

If you already installed a self-signed certificate, and if you are installing a standalone Center, you can start installing the sensors. To do so, refer to the corresponding Cisco Cyber Vision Sensor Installation Guides.

## Configure the user interface security

This section explains how to configure Cisco Cyber Vision user interface security with an enterprise certificate. You will have the option to upload a .p12 or to generate a CSR.

### Before you begin

Perform this task if you're planning to use an enterprise certificate. You must Install Cisco Cyber Vision beforehand.

### Procedure

### **Step 1** To use an enterprise certificate, navigate to Admin > Center certificate.



Step 2   You can Upload a p12 orGenerate a CSR.				
Upload a p12				
	Before you begin			
	The p12 (or Microsoft pfx) file must contain a private key, a Alternative Name" must contain the Center DNS name.	password, and the field "X509v3 Subject		
	Procedure			
Step 1	Select Upload a .p12.			
	Update with a new web server certificate:			
	<ul> <li>Upload a .p12</li> <li>Generate a CSR (RSA 2048)</li> </ul>			
		Ø		
	Please import a PKCS#12 file			
	<u>1</u>			
	Choose a file or drag and drop to upload			

🔊 Save

Click Please import a PKCS12 file and choose you pfx or p12 file generated from your certification server.

- **Step 2** Type the certificate password.
- **Step 3** Click the Import a PKCS#12 file button or drag and drop the file to import it.

	Update with a new web server certificate:		
	Upload a .p12 Generate a CSR (RSA 2048)		
	•••••	Ø	
	E		
	File selected: CenterAD2019.2019lab.local1.pfx		
			ි Save
Step 4	Click Save.		
	The following message appears:		
	O Certificate successfully updated.		
	Please refresh your page		C Reload
Sten 5	Click Reload		

#### Step 5 Reload.

Step 6 In your browser, use the DNS name to connect to your Cisco Cyber Vision instance.

The error message does not appear and the connection is secure.

~	centerad2019.2019lab.local/#/admin/center-certificate					
cer	terad2019.2019lab.local		×			
	Connection is secure	•				
٩	Cookies	2 in use	Ľ			
\$	Site settings		Z	1		
	-			1 1		

### What to do next

If you are installing a Global Center or a synchronized Center, proceed with Configure Center data synchronization, on page 18.

If you are installing a standalone Center, you can start installing the sensors. To do so, refer to the corresponding Cisco Cyber Vision Sensor Installation Guides.

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### **Generate a CSR**

Sciect Ocherate a CSK.	
Update with a new web server certificate:	
O Upload a .p12 ( Generate a CSR (RSA 2048)	
	🗓 Generate and dowr
	Generate and down
Enter the Center FQDN as registered on your DNS	Generate and down
Enter the Center FQDN as registered on your DNS Click the Generate and download CSR button.	Generate and down
Enter the Center FQDN as registered on your DNS Click the Generate and download CSR button. Update with a new web server certificate:	Generate and down
Enter the Center FQDN as registered on your DNS Click the Generate and download CSR button. Update with a new web server certificate: O Upload a.p12 O Generate a CSR (RSA 2048)	Generate and down
Enter the Center FQDN as registered on your DNS Click the Generate and download CSR button. Update with a new web server certificate: Upload a.p12 • Generate a CSR (RSA 2048)	Generate and down
Enter the Center FQDN as registered on your DNS Click the Generate and download CSR button. Update with a new web server certificate: Upload a .p12 • Generate a CSR (RSA 2048) CenterAD2019.2019lab.local	Generate and dowr
Enter the Center FQDN as registered on your DNS Click the Generate and download CSR button. Update with a new web server certificate: Upload a.p12 • Generate a CSR (RSA 2048) CenterAD2019.2019lab.local	Generate and down

**Step 4** Click the download button (1).

Update with a new web server certificate:		
Upload a .p12		
CSR has been generated. Please import the certificate.		
FQDN: CenterAD2019.2019lab.local		
CSR: download 1		
Import a complete PEM bundle (concatenated CA, subCA, certificate)		
Choose a file or drag and drop to upload		
	🖞 Discard	🖸 Save

A <FQDN>.csr file is downloaded.

- **Step 5** Use the <FQDN>.csr file to generate a pem certificate from your enterprise Certification Authority.
- **Step 6** Once the pem certificate is generated, return to Cisco Cyber Vision and click the Import a complete PEM bundle button (2) or drag and drop it to import it.





The following message appears:



### Step 8 Click Reload.

**Step 9** In your browser, use the DNS name to connect to your Cisco Cyber Vision instance.

The error message does not appear and the connection is secure.

× 0	centerad2019.2019lab.local/#/admin/center-certificate					
cen	terad2019.2019lab.local	×				
	Connection is secure		۲			
٩	Cookies	2 in use	Z			
۵	Site settings		Z	$\wedge$		

### What to do next

If you are installing a Global Center or a synchronized Center, proceed with Configure Center data synchronization, on page 18.

If you are installing a standalone Center, you can start installing the sensors. To do so, refer to the corresponding Cisco Cyber Vision Sensor Installation Guides.

## **Configure Center data synchronization**

This step is applicable to the Global Center and its synchronized Centers.

Once the Global Center and its synchronized Centers are installed, proceed to data synchronization, which consists of registering the Center in the Global Center and enrolling the Center to the Global Center. To do so, you need to open each's Cisco Cyber Vision's GUI.



Note To differentiate each user interface, check the top left corner of Cisco Cyber Vision's "Global Center" or "Center".

### Procedure

Step 1 In the Global Center's Cisco Cyber Vision GUI, navigate to Admin > System Management > Management.
 Step 2 Click the Register a Center button.

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The window "Register a Center" pops up, ready to be filled. Now you must access the Center's GUI to retrieve its fingerprint.

- **Step 3** In the Center's Cisco Cyber Vision GUI, navigate to Admin > System.
- **Step 4** Scroll down to Certificate fingerprint and copy it.

.ili.ili. cisco	CYBER VISION Center		
Ø	Explore	🕅 System	Knowledge DB Current database information
	Reports	🗄 Data management	Current database version: 20201023
	Events	🗌 Sensors 🗸 🗸	• Lastimport: Tuesday, October 27, 2020 11:24 AM
¢	Monitor	条 Users 🗸 🗸	IMPORT A KNOWLEDGE DB
Q	Search	⊲ Events	The KDB is managed by the global center, you cannot update it from this center.
۲	Admin	ନ୍ଧ ବଧ୍ୟ 🗸	
		Ъ License	Certificate fingerprint
		条 LDAP Settings	\privace35021c0903334b40051140906333644620144\4501050114C40529
		⊘ SNORT	Center unenrolled to Global Center.
		📽 Integrations 🗸 🗸	💋 ENROLL
		品 Extensions	

### **Step 5** In the Global Center's GUI, give a name to the Center, and paste the Center's fingerprint into the corresponding



## Step 6

### field Click **OK**.

The Center appears in the list as unenrolled.

.iji.iji. cisco	CYBER VISION Global Center						
Ø		团 System	System management				
₽	Reports	🗏 Data management					
8		🛛 System manage 🔿	From this page you can manage centers and sensors.				
۹		— Management	Register a Center				
¢	Admin	— Capture	Name	IP	Version	Status	Processing Status
		冬 Users 🗸 🗸	Center Site 01			unenrolled	

At this point you must switch to the Center's GUI and enroll it to the Global Center.

### **Step 7** In the Center's GUI, scroll down to Enroll a Global Center and click the **Enroll** button.



The Enrollment window pops up.

Step 8 Copy the Global Center's fingerprint from its GUI's System administration page (same location as the Center's).Step 9 Enter the Global Center's IP address and click Enroll.

Enrollment	
• Enrollment may take a few seconds. Do browser is the same time.	not refresh
Global Center Ingerprint * 1fc3fe05036f06028d1a0b3cde545b6bde5b18ccdc67c3bcd87	ac5fac7513126
Global Center IP address *	
192.168.72.17	
	Fince Cancel

Once the synchronization is complete, it is indicated that the Center is enrolled to the Global Center.

I