Sectigo - HowTo: Code Signing Certificate

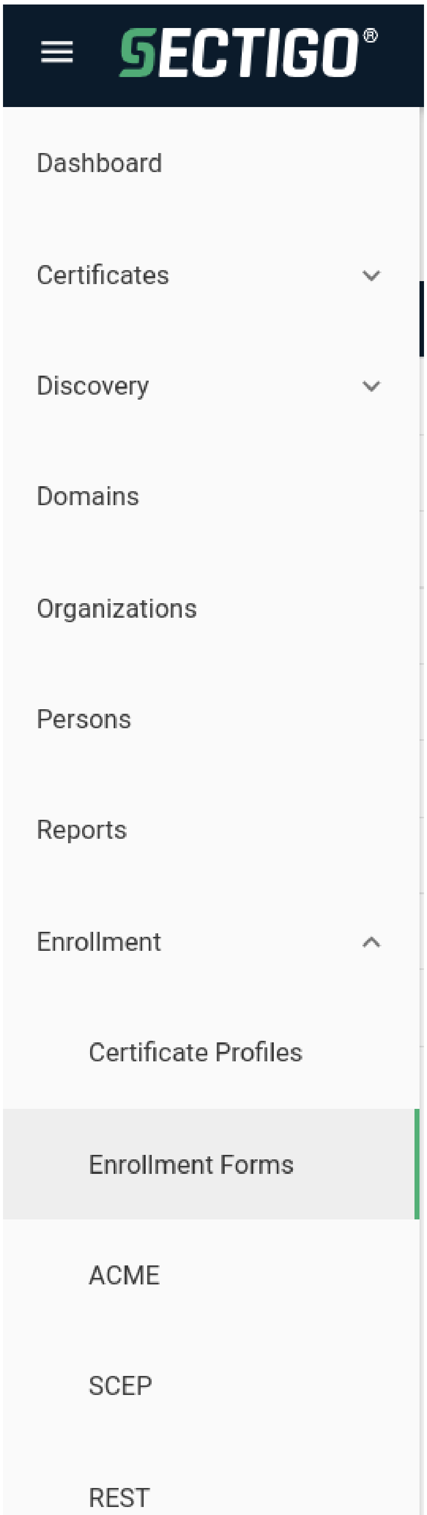
Table of Contents

1. Step-by-step guide

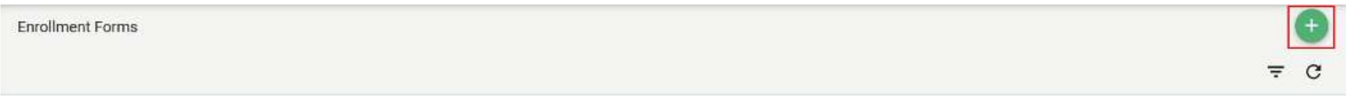
1.1. Create an Enrollment Form

First things first you'll need to **create** on SCM **an Enrollment Endpoint** for your Organization.

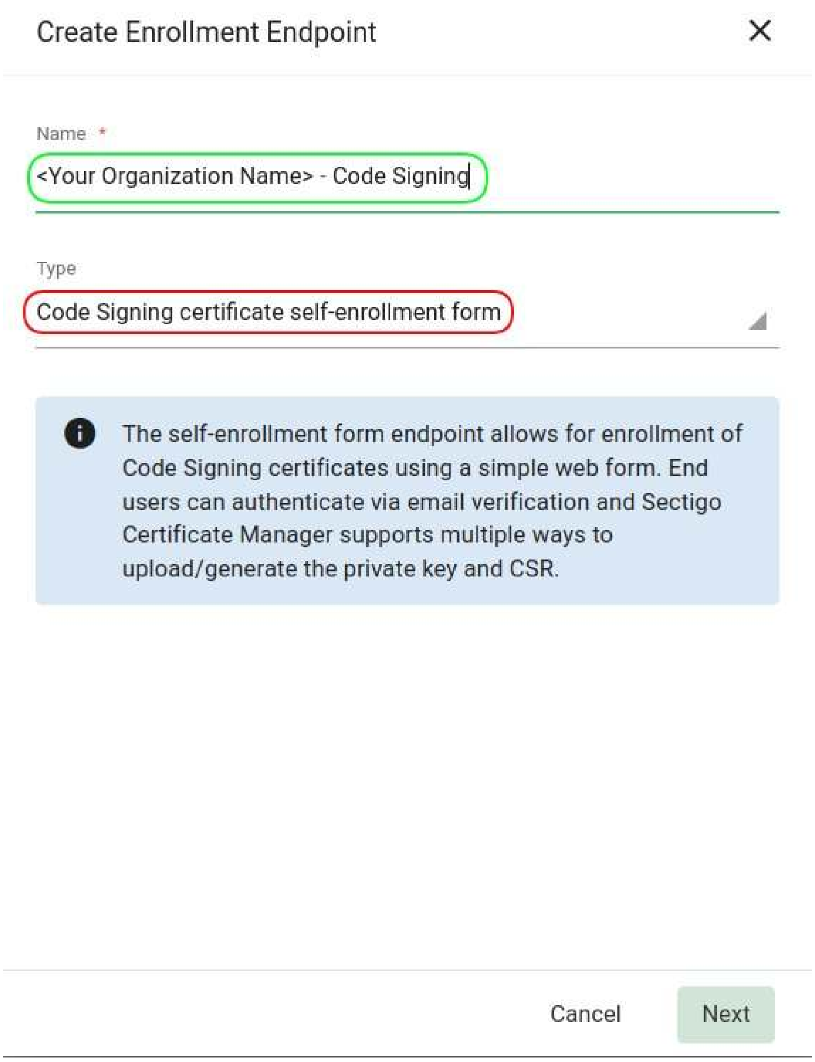
- Log on on Sectigo Certificate Manager
- Dashboard (Left Pane) Enrollment Enrollment Forms



- Click on the **+** sign at the top right



- Within the *Create Enrollment Endpoint* window:
  - Name: Set here the name of the Enrollment Form for your Organization. We recommend to specify also the type of the Form: (e.g.) **<Your Organization Name > - Code Signing Certificate**
  - Type: select **Code Signing certificate self-enrollment form**



Create Enrollment Endpoint

Name *

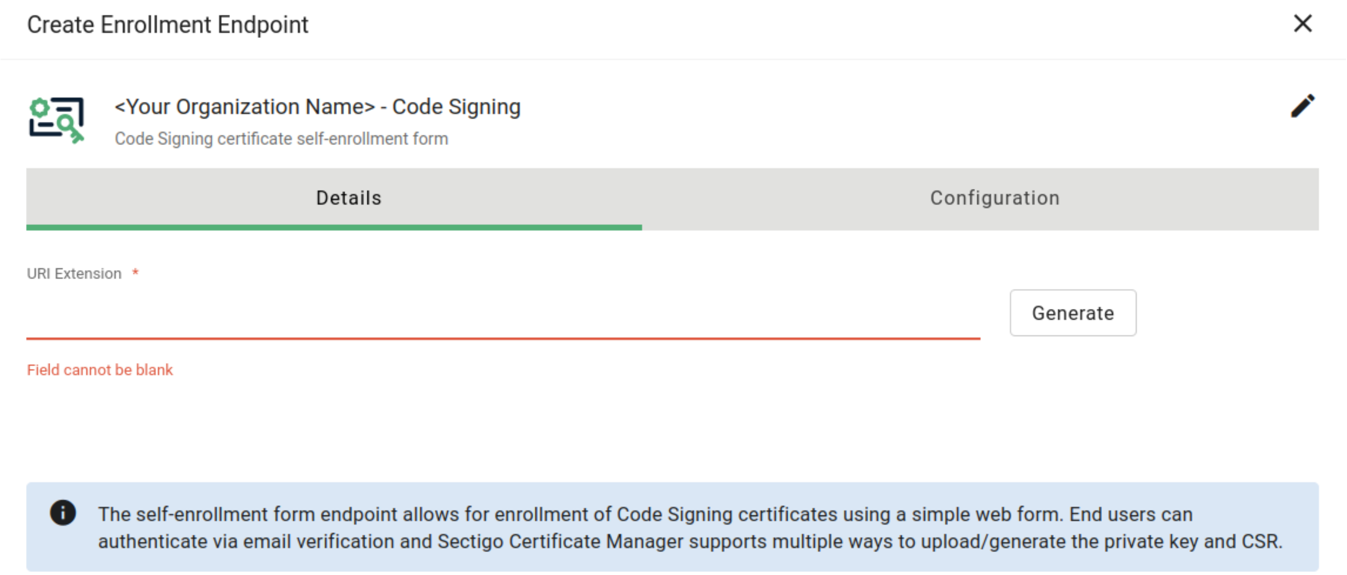
<Your Organization Name> - Code Signing

Type

Code Signing certificate self-enrollment form

The self-enrollment form endpoint allows for enrollment of Code Signing certificates using a simple web form. End users can authenticate via email verification and Sectigo Certificate Manager supports multiple ways to upload/generate the private key and CSR.

  - Click **Next**
- On the ***Details*** tab, click on **Generate** to get your Enrollment Endpoint Form URL



Create Enrollment Endpoint

<Your Organization Name> - Code Signing

Code Signing certificate self-enrollment form

URI Extension *

Field cannot be blank

The self-enrollment form endpoint allows for enrollment of Code Signing certificates using a simple web form. End users can authenticate via email verification and Sectigo Certificate Manager supports multiple ways to upload/generate the private key and CSR.

1.2. Create an account for the Enrollment Form Endpoint

1.2.1. Create the person prior to let him/her requesting a Code Signing Certificate

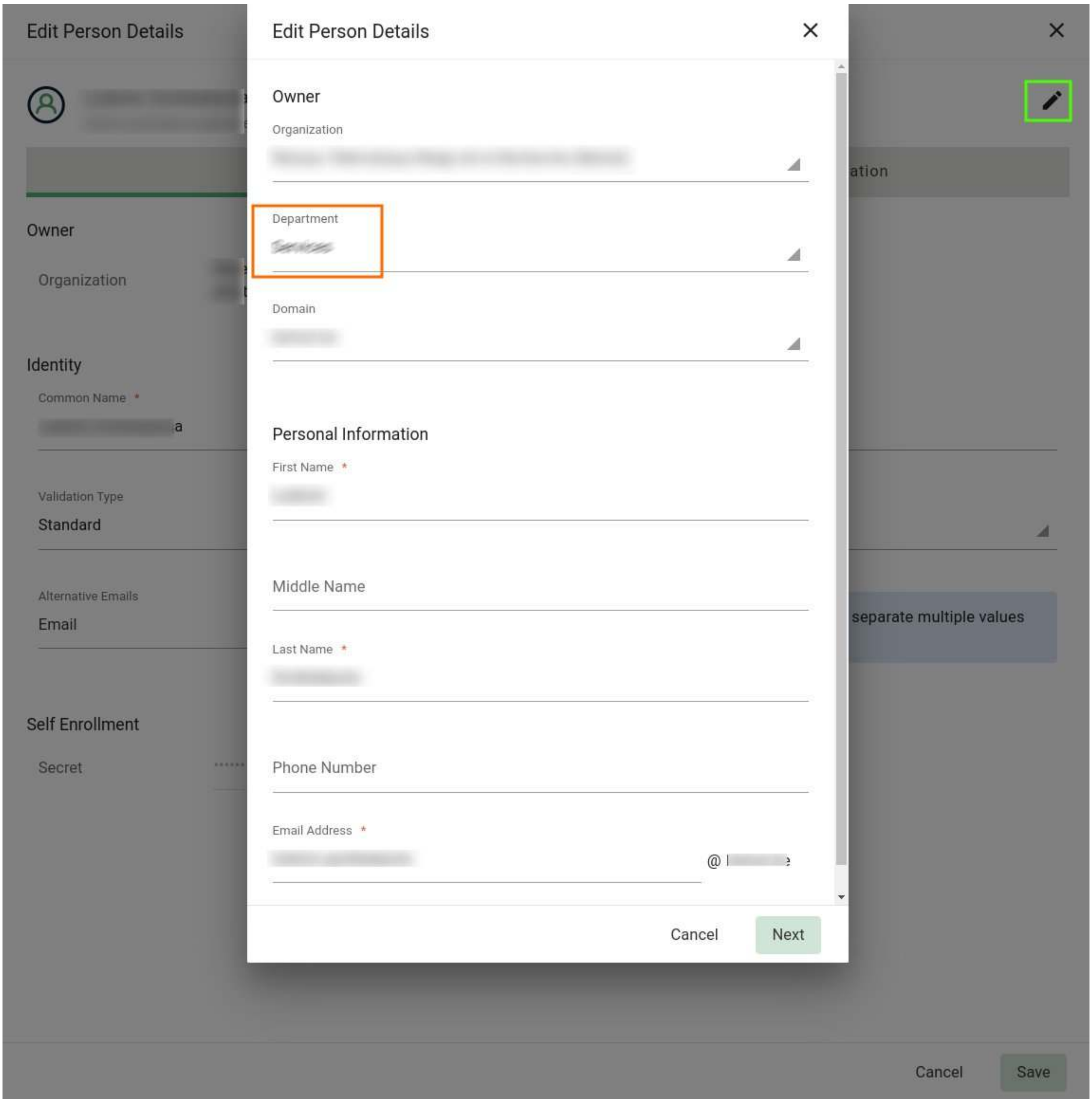
It's required that a (D)RAO of your Organisation creates **FIRST** the user in SCM.

SCM Dashboard (Left Pane) **Persons**

⚠ **about Department**

If you specify a department for a person, make sure you create a dedicated webform account for that department.

See next chapter entitled "**Create Code Signing Web Form Account**"



Edit Person Details

Owner

Organization [redacted]

Department [redacted]

Domain [redacted]

Personal Information

First Name * [redacted]

Middle Name

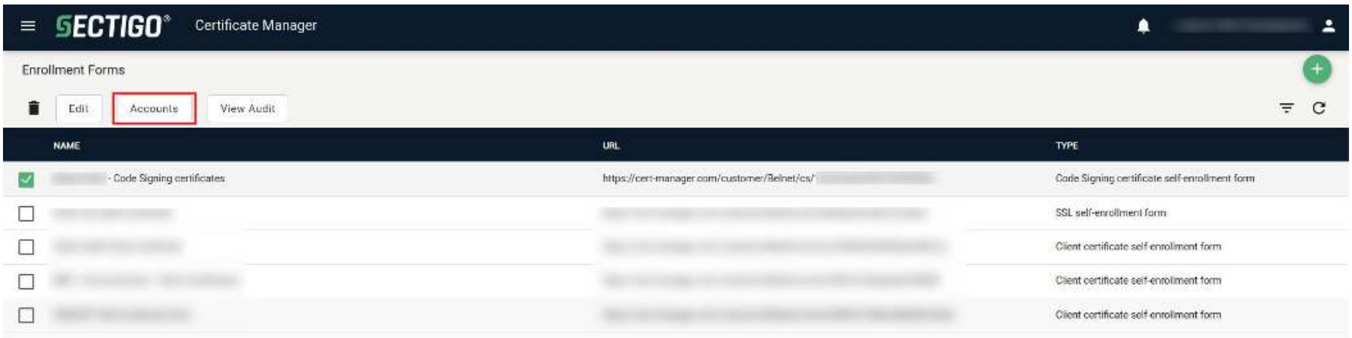
Last Name * [redacted]

Phone Number

Email Address * [redacted] @ [redacted]

1.2.2. Create Code Signing Web Form Account

- SCM Dashboard (Left Pane) Enrollment   Enrollment Forms: **Select** your newly created Enrollment Form Endpoint
- Click on **Accounts**



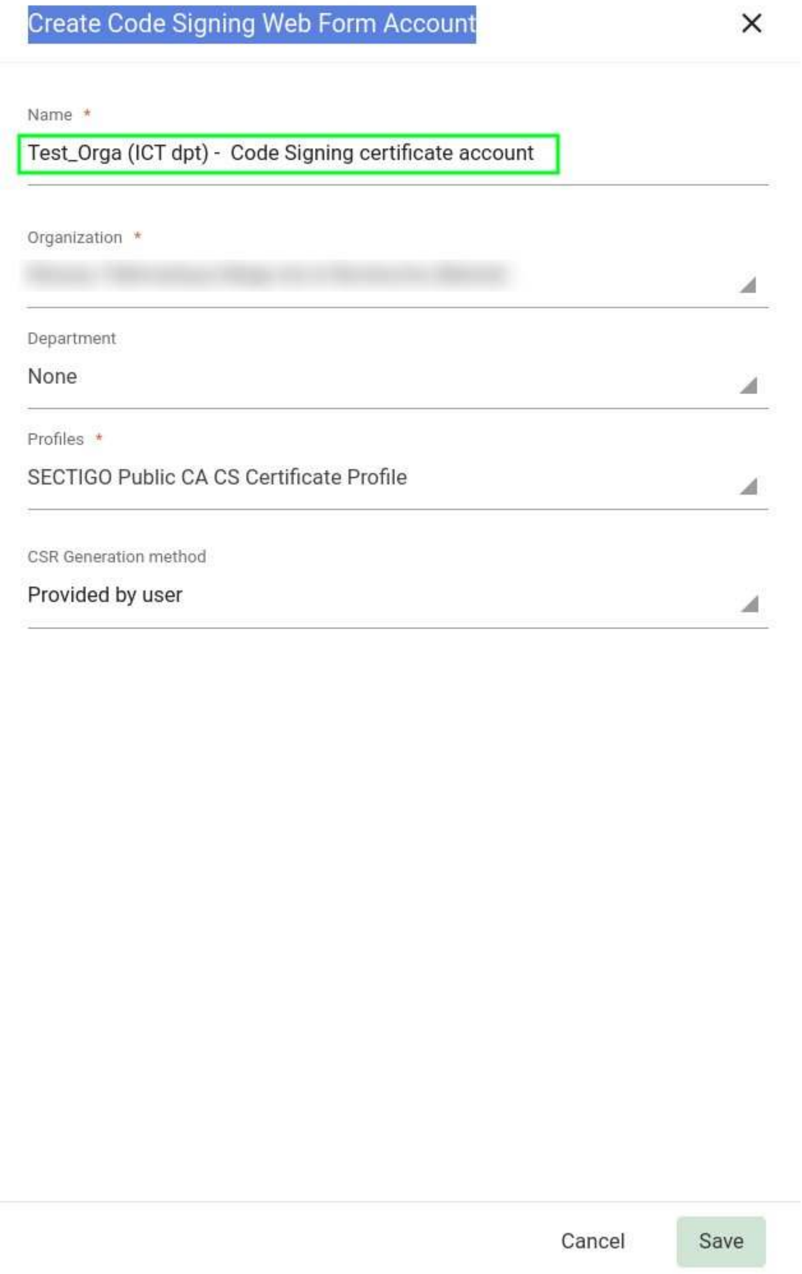
	NAME	URL	TYPE
☑	[redacted] - Code Signing certificates	https://cert-manager.com/customer/Belnet/cs/[redacted]	Code Signing certificate self-enrollment form
□	[redacted]	[redacted]	SSL self-enrollment form
□	[redacted]	[redacted]	Client certificate self-enrollment form
□	[redacted]	[redacted]	Client certificate self-enrollment form
□	[redacted]	[redacted]	Client certificate self-enrollment form

- A new window is prompted to you. Now click on the **+** sign at the top right to add an Account.

- Edit the Client Certificate Web Form Account
  - Give an account name: (e.g.) **<Org.Name> (<Dpt.Name>) - Code Signing certificate account**
  - Organization: **Select your Organization** in the drop down list
  - Department: **None** **(or the department of your choice inside your Org)**

> ⚠ **about Department**
>
> If you specify a Department for this account, the person must be first assigned to the specified department in order to make use of this Web Form Account to request a Code Signing Certificate.

  - Profiles: **SECTIGO Public CA CS Certificate Profile**
  - CSR Generation method: **Provided by user**
  - Click **SAVE**



Create Code Signing Web Form Account

Name *

Test_Orga (ICT dpt) - Code Signing certificate account

Organization *

[redacted]

Department

None

Profiles *

SECTIGO Public CA CS Certificate Profile

CSR Generation method

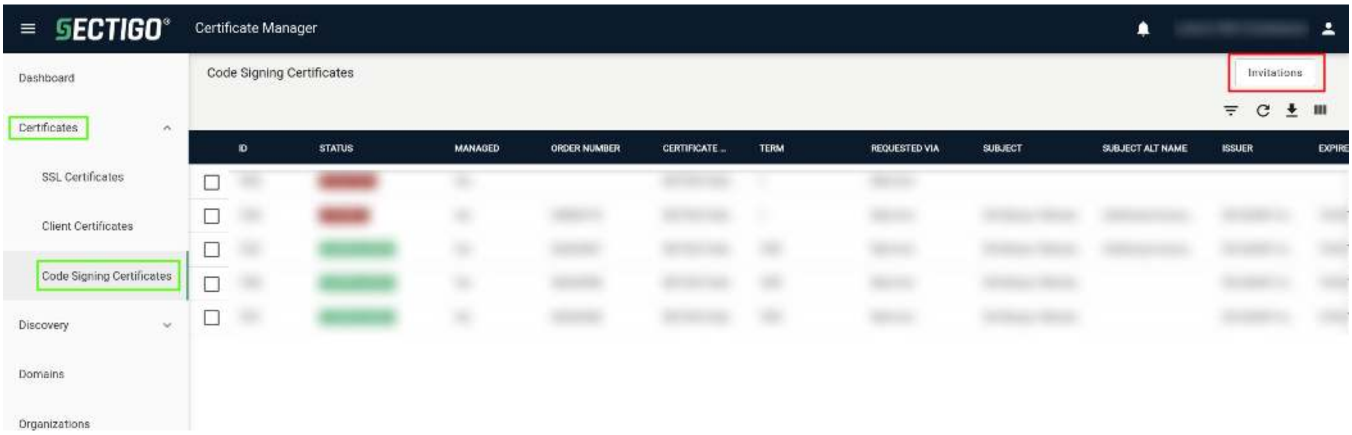
Provided by user

2. How to request the Code Signing certificate

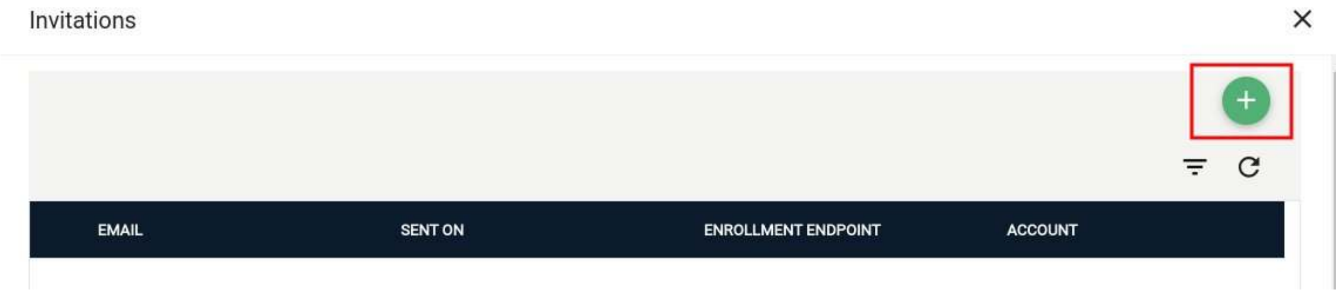
2.1. Send Invitations by email

Code Signing Certificates should be requested from the (Department) Registration Authority Officer, aka (D)RAO, of your organisation so that they can create the person within SCM and then send the invitation for the creation of a Code Signing Certificate.

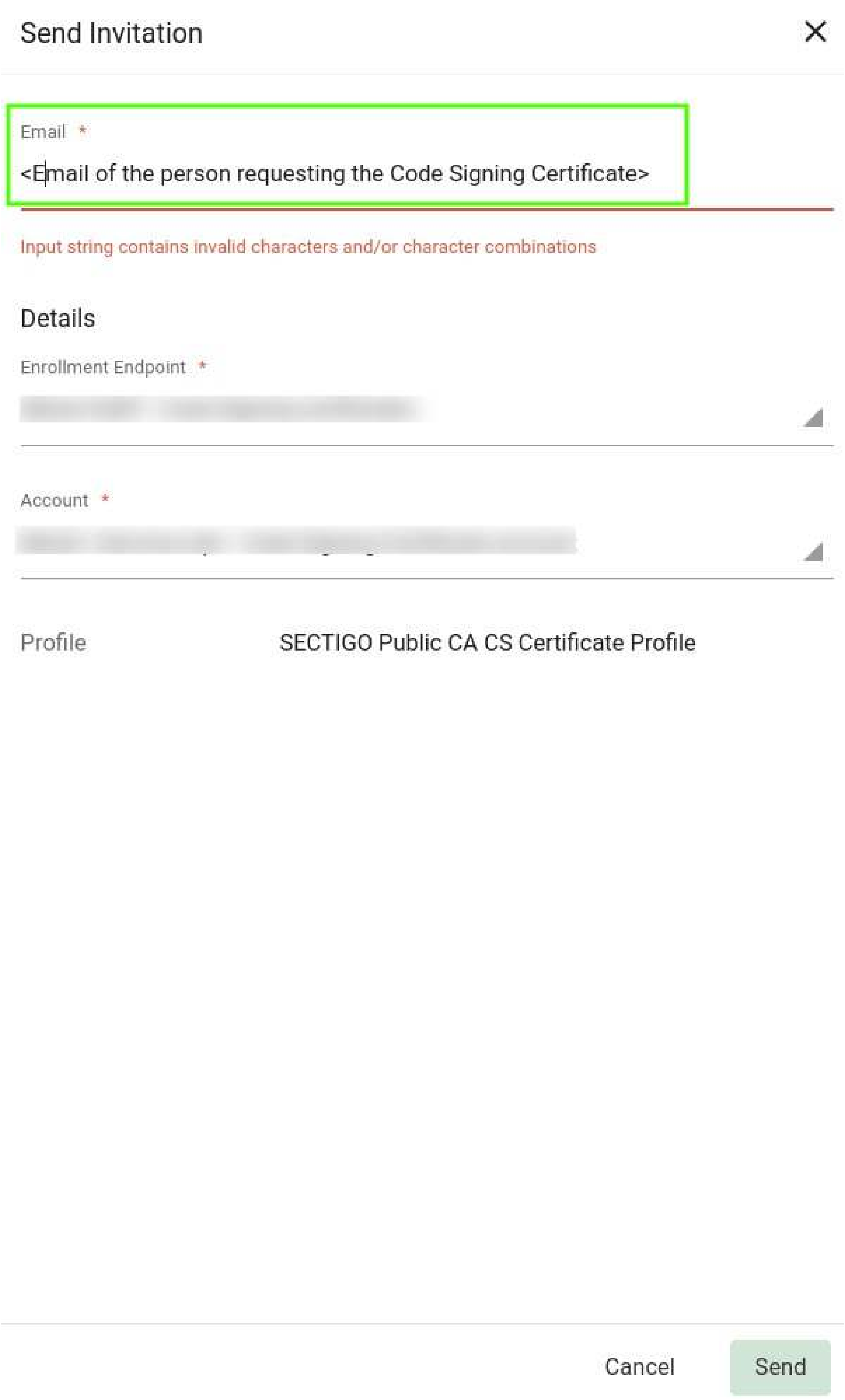
- Dashboard (Left Pane) Certificate   Code Signing Certificates Invitations



- A new window is prompted to you. Now click on the **+** sign at the top right to add an *Invitation.*



- Fill in:
  - The person's email address (the one that has been defined for the person in SCM Dashboard (Left Pane) Persons) ;
  - the name of the Enrollment Endpoint ;
  - the account used for this Enrollment Endpoint (if several accounts have been created for the departments of your organisation).
- Click **Send**



Send Invitation

Email *

<Email of the person requesting the Code Signing Certificate>

Input string contains invalid characters and/or character combinations

Details

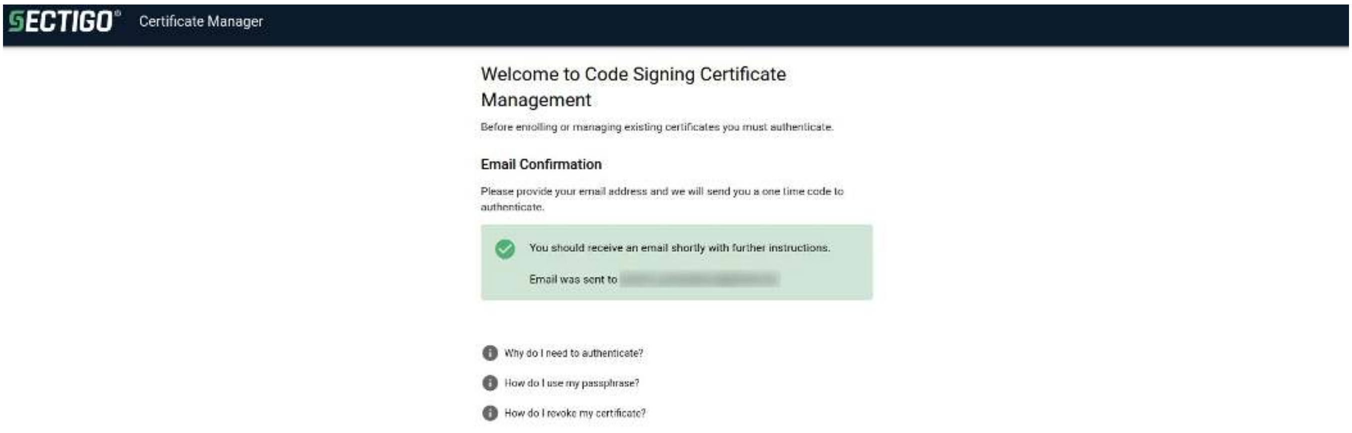
Enrollment Endpoint *

[redacted]

Account *

[redacted]

Profile SECTIGO Public CA CS Certificate Profile



SECTIGO
Certificate Manager

Welcome to Code Signing Certificate Management

Before enrolling or managing existing certificates you must authenticate.

Email Confirmation

Please provide your email address and we will send you a one time code to authenticate.

✓ You should receive an email shortly with further instructions.

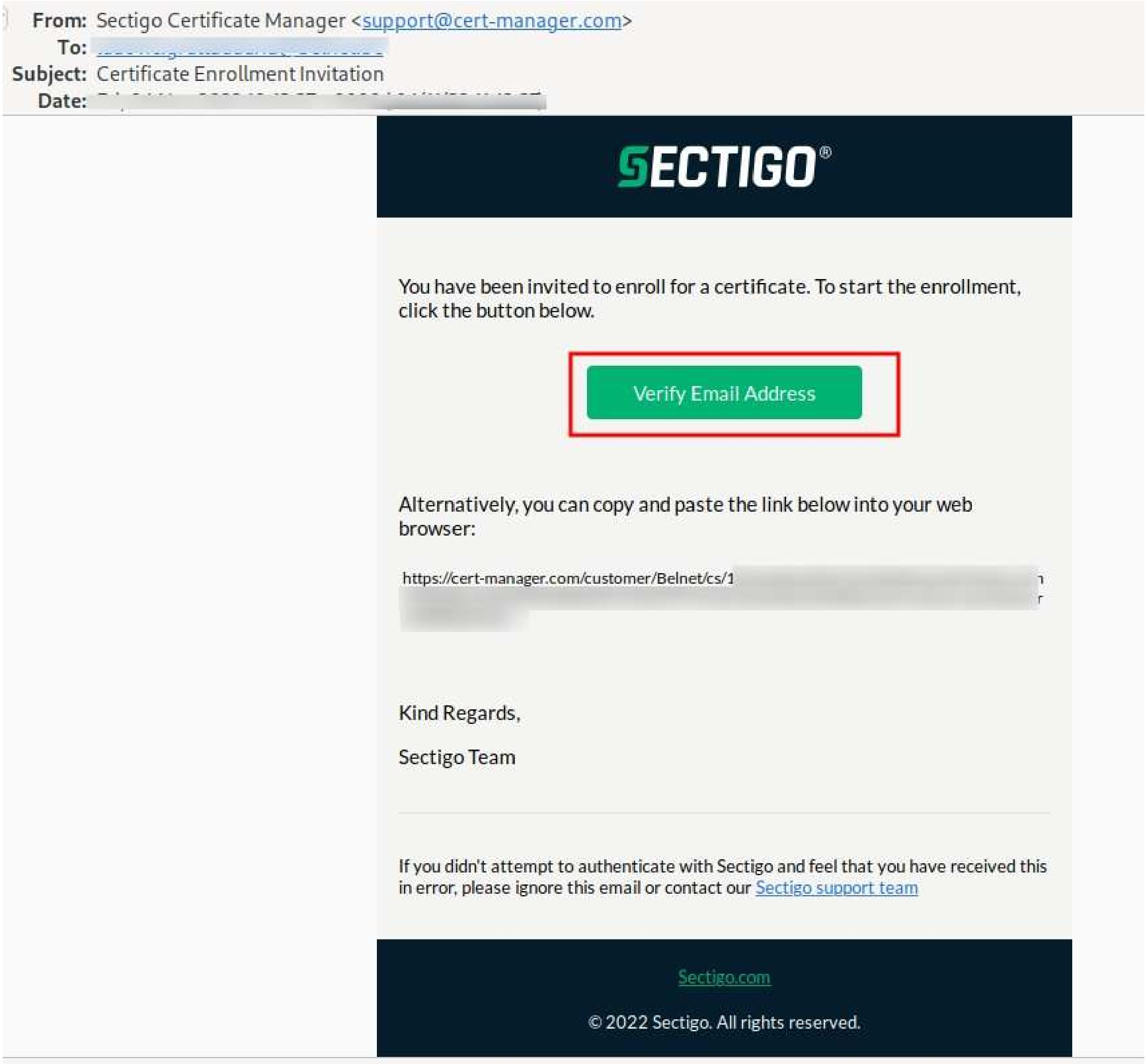
Email was sent to [redacted]

Why do I need to authenticate?
How do I use my passphrase?
How do I revoke my certificate?

2.2. Code Signing Certificate Enrollment

Employees of your organisation can now request CS certificatesin the following way:

- The person must now check your his/her email and click on **Verify Email Address.**



From: Sectigo Certificate Manager <support@cert-manager.com>
To: [redacted]
Subject: Certificate Enrollment Invitation
Date: [redacted]

SECTIGO®

You have been invited to enroll for a certificate. To start the enrollment, click the button below.

Verify Email Address

Alternatively, you can copy and paste the link below into your web browser:

https://cert-manager.com/customer/Belnet/cs/1[redacted]

Kind Regards,

Sectigo Team

If you didn't attempt to authenticate with Sectigo and feel that you have received this in error, please ignore this email or contact our Sectigo support team

Sectigo.com

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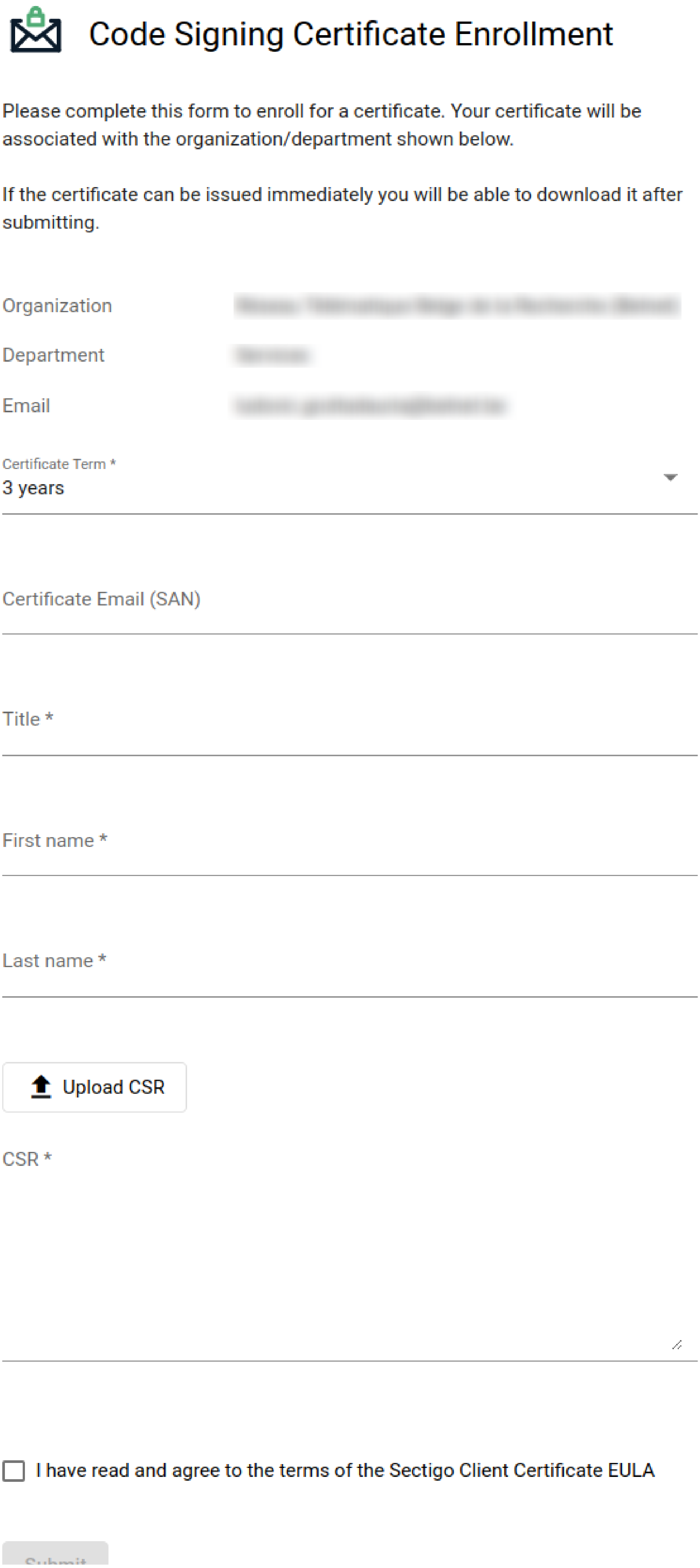
- The link will redirect the person to the Code Signing Certificate Enrollment page where they will have to **Complete the form**:
  - Set '**Certificate Term**' to 3 years
  - Title
  - Certificate email (SAN): email of the person requesting the CS certificate.
  - **First name**
  - **Last name**
  - **Upload** a generated Certificate Signing Request **(CSR)**
- **Accept EULA** and finally Click '**Submit**'



Code Signing Certificate Enrollment

Please complete this form to enroll for a certificate. Your certificate will be associated with the organization/department shown below.

If the certificate can be issued immediately you will be able to download it after submitting.

Organization [redacted]

Department [redacted]

Email [redacted]

Certificate Term *
3 years

Certificate Email (SAN)

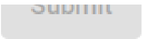
Title *

First name *

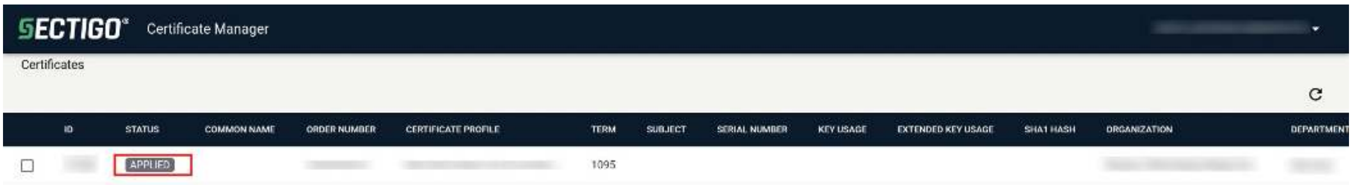
Last name *

CSR *

□ I have read and agree to the terms of the Sectigo Client Certificate EULA

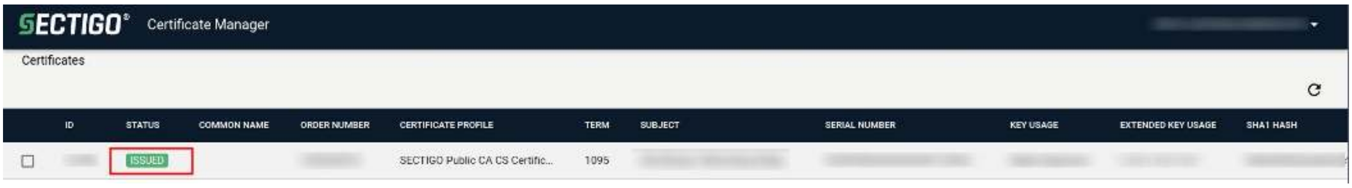


- After Submission, the CS certificate request is shown as APPLIED in SCM:

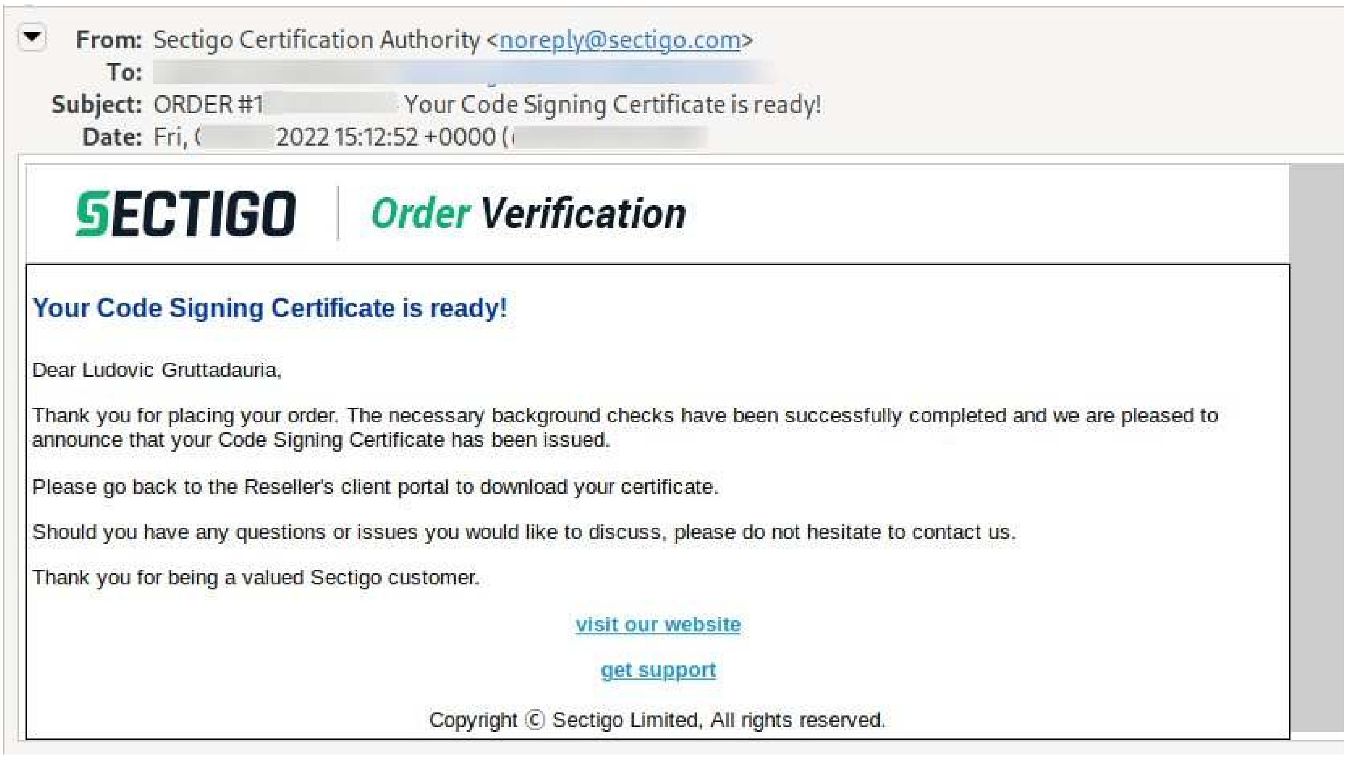


	ID	STATUS	COMMON NAME	ORDER NUMBER	CERTIFICATE PROFILE	TERM	SUBJECT	SERIAL NUMBER	KEY USAGE	EXTENDED KEY USAGE	SHA1 HASH	ORGANIZATION	DEPARTMENT
□	[redacted]	APPLIED		[redacted]	[redacted]	1095						[redacted]	[redacted]

- Now wait a few minutes before the CS certificate beeing released. The person requesting the certificate will also receive an email stating that his/her certificate is ready!



	ID	STATUS	COMMON NAME	ORDER NUMBER	CERTIFICATE PROFILE	TERM	SUBJECT	SERIAL NUMBER	KEY USAGE	EXTENDED KEY USAGE	SHA1 HASH
□	[redacted]	ISSUED		[redacted]	SECTIGO Public CA CS Certific...	1095	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]



From: Sectigo Certification Authority <noreply@sectigo.com>
To: [redacted]
Subject: ORDER #1[redacted] Your Code Signing Certificate is ready!
Date: Fri, ([redacted] 2022 15:12:52 +0000 ([redacted]

SECTIGO | Order Verification

Your Code Signing Certificate is ready!

Dear Ludovic Gruttadauria,

Thank you for placing your order. The necessary background checks have been successfully completed and we are pleased to announce that your Code Signing Certificate has been issued.

Please go back to the Reseller's client portal to download your certificate.

Should you have any questions or issues you would like to discuss, please do not hesitate to contact us.

Thank you for being a valued Sectigo customer.

visit our website

get support

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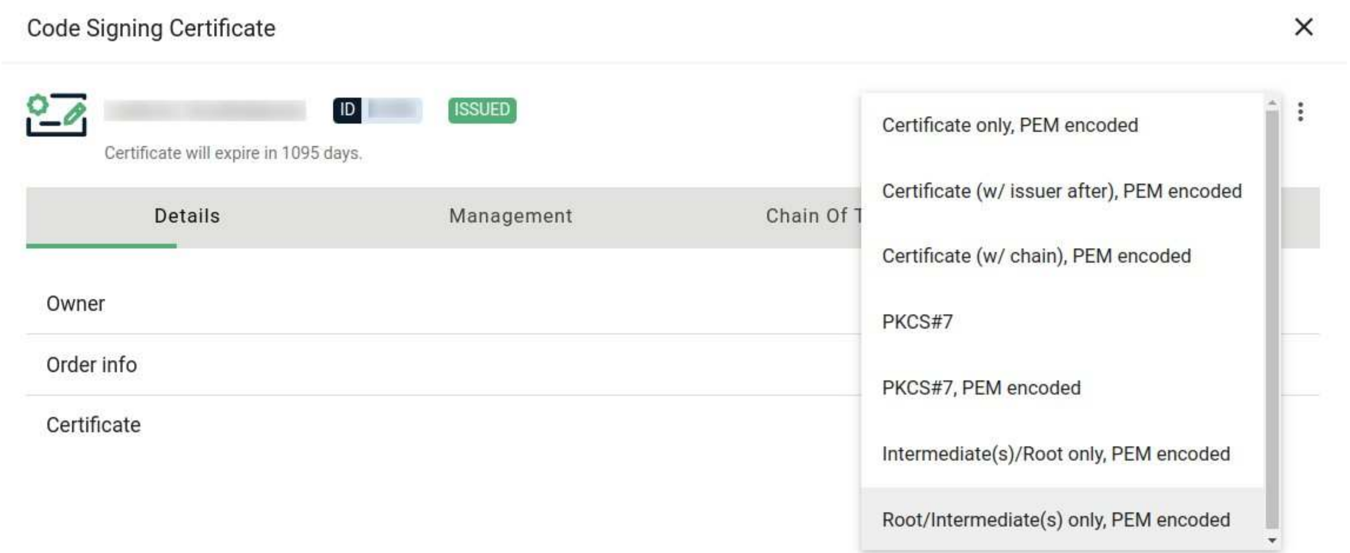
3. Download the CS certificate

you can now download the certificate in the format of your choice. Dashboard (Left Pane) Certificate   Code Signing Certificate


Code Signing Certificate
[redacted]
ID [redacted]
ISSUED
Details
Management
Chain Of T
Owner
Order info
Certificate
Certificate only, PEM encoded
Certificate (w/ issuer after), PEM encoded
Certificate (w/ chain), PEM encoded
PKCS#7
PKCS#7, PEM encoded
Intermediate(s)/Root only, PEM encoded
Root/Intermediate(s) only, PEM encoded

Certificate will expire in 1095 days.

4. Related articles

The Sectigo KB is a good source of documentation: https://sectigo.com/knowledge-base/detail/Sectigo-Certificate-Manager-SCM-Administrator-s-Guide/kA01N000000bvJA

28 Oct 2022 SCM version 22.10: https://sectigo.com/knowledge-base/detail/Sectigo-Certificate-Manager-SCM-Release-Notes/kA03l00000117lt

Release notes:

Code Signing Certificates [SCM-5940]
Enrollment forms for Code Signing certificates have been updated similar to other certificate types in previous releases. Enhancements were made to the user interface and user experience.

All enrollmentforms now use a unified approach.
There is no change to the way the enrollment form is accessed – it is by email invitation only.

What has changed is the need for a Code Signing certificate self-enrollment form and at least one account.
Just like for other enrollment form