

### **User Guide – Sectigo IoT Portal**

CableLabs PKI Operations Version: 1.1 Date: October 4, 2024

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The following provide instructions on issuing certificates for those customers using the Sectigo portal to issue their CableLabs PKI certificates. For those customers using a different portal, please contact pkiops@cablelabs.com for more information.

### Login

When your organizations account is set-up or a new admin is added to the portal, you will receive an email from PKI Ops with your username. Note: only those designated as Admins on the organization's account (as defined by the DCSA or a contact change request) will be given access to the portal.

Note:

We suggest using Google Chrome in the "Incognito" mode (see image below) or similar "private" browsing modes from other browser providers. This will ensure there is not a conflict with previous cookies/cache that can sometimes cause issues in accessing your admin cert.

| ) 🖈 🤜 🗖 🏚 🗖          | S Paused    |
|----------------------|-------------|
| New Tab              | эст         |
| New Window           | 30N         |
| New Incognito Window | <b>⊘</b> ≭N |
| History              | ,           |
| Downloads            | 7C18L       |

Figure 1 - Google Chrome Incognito Browser Option

When you receive your username for the first time, navigate with a browser to <u>iot.sectigo.com</u> and click "Forgot Password" and follow the instructions for resetting your password.



Figure 2 - Login screen



Once reset, return to the login screen and enter your username and password and click "Next". You will be prompted for your admin certificate, which needs to be previously downloaded and installed in your computer's certificate store. If you do not have an admin certificate, contact <u>pkiops@cablelabs.com</u>.

Under "Ecosystem" select the cert (e.g. D3.1, D3.0, PacketCable) you would like to request and click "Enter" (You can change to a different certificate type after you login).

| נ       | SE  | CTIGO°                                   |                           |
|---------|-----|--|---------------------------|
|         | Sig | jn In                                    |                           |
|         |     | Account<br>skenny_cl                     | ⊁ loT                     |
| 21<br>  |     | DOCSIS 3.0                               | The use of<br>Access to S |
|         |     | DOCSIS 3.1                               | Unauthonzi                |
| nc<br>O |     | DOCSIS_3.0-Flexible Profile_RSA1024_SHA1 |                           |
| DI      |     | DOCSIS_3.1-Flexible Profile_RSA2048_SH2  |                           |
|         | 4   | DOCSIS_4.0-Flexible Profile_RSA2048_SHA  |                           |
| n       |     | DPoE_ONU_Device_CableLabs_RSA2048_S      | 1                         |
|         |     | Back Enter                               |                           |
|         |     |  |                           |

Figure 3 - Profile selection

### **General Navigation**

Once logged in, you will come to the main page and have three main tabs to choose from:

#### Batches

In Batches, you can view previously created batches for your organization (that will include batches from you or others in your organization) as well as act on those batches such as rejecting them, revoking them or downloading the certificates.

In the Batches tab, you can also create new orders, as described below.

#### **Certificate Profiles**

Certificate Profiles shows you which profiles for the ecosystem have been assigned to your user ID.

You can also <u>download the intermediate and root certificates</u> from this page, as described below.



#### Certificates

Certificates allows you to search and view the individual certificates previously created in the batches as well as <u>revoking certificates</u>.

### Generating and downloading new certificates

Creating, reviewing and downloading new certificates will comprise many of the activities in the portal. Please see the steps below:

- Create a new cert order (New CSR Form)
- Create a new cert order (New CSR Single)
- Create a new cert order (Upload CSR)
- Create a new cert order (Upload CSV)
- Download a batch
- Reject a batch

#### Create a new cert order

To create a new batch of 1 or more certs, use the following steps:

• From the Batches tab, click on the Shopping Cart icon in the top right portion of the screen.



Figure 4 - Start new order (shopping cart icon)

• A new window will appear prompting you to enter the order information. You have three options to do so:

#### New CSR (Form)

This option allows you to manually enter the certificate details and is useful for creating a single certificate as a time. (If you have multiple certs to create at once, use the Upload CSV option).

| New batch        |           | 2 Confirm         | ation       | 3 Done         |
|------------------|-----------|-------------------|-------------|----------------|
| New CSRs(Form)   | New CSRs( | Single)           | Upload CSRs | csv Upload CSV |
| Batch Name       |           |                   |             |                |
| Batch Size       |           |                   |             |                |
| PKCS 12 Password |           |                   |             |                |
| MAC Address      |           | Generator<br>None | <u>•</u>    |                |
|                  |           |                   |             | Cancel         |

Figure 5 - New order - CSR Form

- Enter the Batch Name. This can be whatever you chose but should uniquely reference the cert being created for easier reference on the main Batches page.
- Enter the Batch Size. This is the total number of certificates you want to issue.
- Enter a password for the PKCS12 file. Since this file will contain both private and public keys, it needs to be protected with a password. Do NOT lose this password otherwise you will be unable to access the certificate.
- Enter the starting MAC address to be used in the sequence.
- Select the type of generator you would like to use (e.g. MAC) and the increment value (e.g. 1, 10) you want to use for each subsequent certificate.

| New CSRs(Form)                   | New CS | Rs(Single)       | < | Upload CSRs | Upload CSV                               |
|----------------------------------|--------|------------------|---|-------------|--|
| Batch Name<br>Test Batch 123     |        |                  |   |             |  |
| Batch Size<br>25                 |        |                  |   |             |  |
| PKCS 12 Password abcde12345      |        |                  |   |             |  |
| MAC Address<br>AA:BB:CC:DD:EE:FF |        | Generator<br>MAC | Ŧ | Step *<br>1 | AA:BB:CC:DD:EE:FF,<br>AA:BB:CC:DD:EF:00, |
|                                  |        |                  |   |             | AA:BB:CC:DD:EF:17                        |

Figure 6 - New order - CSR form completed

• Click Next. A new screen will appear confirm the details of the uploaded request.

| New batch    | 2 Confirmation Done  |
|--------------|--|
| Property     | Value  |
| Organization | CableLabs  |
| D3.10U       | Louisville - D3.1  |
| Country      | US   |
| Property     | Value  |
| macAddress   | AA:BB:CC:DD:EE:FF,AA:BB:CC:DD:EF:00,<br>,AA:BB:CC:DD:EF:17 |
|              | Cancel Back Next   |

Figure 7 - New order - confirmation screen

• Click **Next**. The request will be submitted for processing. If successful, you will see the order status as **Ready for download** on the Batches screen. If an error occurred, the Status would indicate there is an issue and the details can be found in the information screen for the batch.



#### New CSR (Single)

This option allows you to manually enter the certificate details and is useful for creating a single certificate as a time. (If you have multiple certs to create at once, use the New CSRs (Form), Upload CSRs or Upload CSV options).

| 1 New batch      | 2 Conf           | irmation    | 3 Done         |
|------------------|------------------|-------------|----------------|
| New CSRs(Form)   | New CSRs(Single) | Upload CSRs | csv Upload CSV |
| Batch Name       |                  |             |                |
| PKCS 12 Password |                  |             |                |
| MAC Address      |                  |             |                |
|                  |                  |             |                |
|                  |                  |             | Cancel Ne      |

Figure 8 - New order - single certificate form

- Enter the Batch Name. This can be whatever you chose but should uniquely reference the cert being created for easier reference on the main Batches page.
- Enter the Batch Size. This is the total number of certificates you want to issue.
- Enter a password for the PKCS12 file. Since this file will contain both private and public keys, it needs to be protected with a password. Do NOT lose this password otherwise you will be unable to access the certificate.
- Enter the MAC address to be used for the certificate.

| 1        | New batch             | Conf             | irmation    | 3 Done         |
|----------|-----------------------|------------------|-------------|----------------|
| -        | New CSRs(Form)        | New CSRs(Single) | Upload CSRs | csv Upload CSV |
|          | Batch Name            |                  |             |                |
| <b>~</b> | Test Batch Single CSR |                  |             |                |
|          | PKCS 12 Password      |                  |             |                |
|          | abcde12345            |                  |             |                |
|          |                       |                  |             |                |
|          | AA:BB:CC:DD:EE:FF     |                  |             |                |
|          |                       |                  |             |                |
|          |                       |                  |             |                |
|          |                       |                  |             |                |

Figure 9 - New order - single certificate form



- Click Next. A new screen will appear confirm the details of the uploaded request.
- Click **Next**. The request will be submitted for processing. If successful, you will see the order status as **Ready for download** on the Batches screen. If an error occurred, the Status would indicate there is an issue and the details can be found in the information screen for the batch.

#### Upload CSR (Multiple)

If you choose to generate the private key on your own system, you can use the Upload CSR option.

| 1 New batch   | Confirmation  | 🕚 Done         |
|---|---|----------------|
| New CSRs(Form)  | New CSRs(Single)  | csv Upload CSV |
|   |   |                |
| Choose File *   |   |                |
| Choose File *<br>i Should be Unix/PEM formatted CSR-file. M         | Mandatory if the value is not present in the fields below: 'commonN | lame';         |
| Choose File * i Should be Unix/PEM formatted CSR-file. M            | Mandatory if the value is not present in the fields below: 'commonN | lame';         |
| Choose File * i Should be Unix/PEM formatted CSR-file. M Batch Name | Mandatory if the value is not present in the fields below: 'commonN | lame';         |

Figure 10 - New order - CSR upload form

- Click on the Upload CSR tab.
- Select the CSR file to upload from your local system.
- The batch name will be prefilled with the filename of the CSR. You can edit the batch name to whatever you chose but should uniquely reference the cert being created for easier reference on the main Batches page.
- Click **Next**. A new screen will appear confirm the details of the uploaded CSR.

| New batch    | 2 Confirmation 3 Done                                      |
|--------------|--|
| Property     | Value  |
| Organization | CableLabs  |
| D3.10U       | Louisville - D3.1  |
| Country      | US   |
| Property     | Value  |
| macAddress   | AA:BB:CC:DD:EE:FF,AA:BB:CC:DD:EF:00,<br>,AA:BB:CC:DD:EF:17 |
|              | Cancel Back Next   |

Figure 11 - New order - confirmation screen

• Click **Next**. The CSR will be submitted for processing. If successful, you will see the order status as **Ready for download** on the Batches screen. If an error occurred, the Status would indicate there is an issue and the details can be found in the information screen for the batch.

#### Upload CSV

If you have multiple certs to create at once, use the Upload CSV option.

- Click on the Upload CSV tab.
- Click on **Choose File**\* and select the CSV file to upload from your local system. Note: if you need the latest CSV template to fill in with the cert information, click on the Cloud Download icon and the csv template will be downloaded to your computer.

|             | New CSRs(Form) | New CSRs(               | Single)                  | ↔ Upload CSRs               |                       | csv |
|-------------|----------------|-------------------------|--------------------------|-----------------------------|-----------------------|-----|
| <b>↑</b> ,0 | Choose File *  | with column names. Mana | datory if the value is n | ot present in the fields be | elow: 'macAddress'; 📀 |     |
|             |                |                         |                          |                             |                       |     |
|             | Batch Name     |                         |                          |                             |                       |     |

Figure 12 - New order - CSV upload form

- The batch name will be prefilled with the filename of the CSV. You can edit the batch name to whatever you chose but should uniquely reference the cert being created for easier reference on the main Batches page.
- Enter a password for the PKCS12 file. Since this file will contain both private and public keys, it needs to be protected with a password. Do NOT lose this password otherwise you will be unable to access the certificate.
- Click **Next**. A new screen will appear confirm the details of the uploaded CSV.
- Click **Next**. The CSV will be submitted for processing. If successful, you will see the order status as **Ready for download** on the Batches screen. If an error occurred, the Status would indicate there is an issue and the details can be found in the information screen for the batch.

#### Reject a batch

If an error is found in a batch after it has been created but **BEFORE** it is downloaded, the batch can be rejected and the certificate quantity returned to your available certs. Once a batch has been downloaded, it is considered "Issued" and those certs can only be revoked. No credit is given for certs which have been issued (and subsequently revoked).

• Find the row of the batch to reject and hover your cursor over it. If it available to reject a small yellow icon with a left-facing arrow will appear

Batch name



Figure 13 - Reject order button

• Click on the yellow icon. The batch will be rejected and the updated status shown for the batch.

| SECTIGO"         | loT<br>Manager v: 22.7.1.256 |              | Organiz:<br>Profile: | ation: Kyrio, Inc<br>Kyrio Inc Device Certificate | Certificates Ordered/Iss<br>Certificates Available: 1 | ued: 66/66    |                 |                 | Scott Kenr<br>Last login:<br>2022-09-15 1 | ny<br>10:44:39 fror | n 172.24.52.81 | ≣ |
|------------------|------------------------------|--------------|----------------------|---|---|---------------|-----------------|-----------------|---|---------------------|----------------|---|
| Batches          | Certificate Profiles         | Certificates |                      |   |   |               |                 |                 |   |                     |                |   |
| Batch Order List | For Current Profile          | Status       | ✓ Batch name         | From date   | To date   | 1             | Batch from size | © Batch to size | 0   | Q                   | ×              | 贷 |
| ld               |                              | Size         |                      | Status  |   | Creation date |                 | Batc            | h name                                    |                     |                |   |
| 322364           |                              | 1            |                      | Rejected  |   | 2022-09-15 17 | 7:49:39         |                 | i 🛓                                       |                     |                |   |

Figure 14 - Batch order list - order rejected

### View and download a batch

Once a batch has been successfully completed, you can view information on the batch and download the batch file with the associated certs (and private keys, if applicable).

Please note, once a batch has been downloaded, it is considered "issued". For security and operational reasons, we cannot credit the certs back to your account if an error is found in the certificates. If you recognize there is an error prior to downloading, you can reject the batch and your certs will be credited back to your account.

• From the Batches tab, find the batch which you would like to view and download. It should indicate **Ready for Download**.

| SECTIGO"   IoT<br>Manager v: 22.7.1.256 |                        |              | Organiz<br>Profile: | ation: Kyrio, Inc<br>Kyrio Inc Device Certificate | Certificates Ordered/Iss<br>Certificates Available: 4 | sued: 62/62         | Last login:<br>2022-09-06 09:55:52 from 172.24.20.173 |         |  |
|---|------------------------|--------------|---------------------|---|---|---------------------|---|---------|--|
| Batches                                 | Certificate Profiles   | Certificates |                     |   |   |                     |   |         |  |
| Batch Order List                        | For Current<br>Profile | Status       | Batch name          | From date   | To date   | Batch from size     | Batch to size     Q ×                                 | Å       |  |
| Id                                      |                        | Size         |                     | Status  |   | Creation date       | Batch name  |         |  |
| 322189                                  |                        | 3            |                     | Ready For Download                                |   | 2022-09-06 17:04:16 | CsvTemplate_Kyrio Inc Device Certific                 | ate.csv |  |

Figure 15 - Batch order list - ready for download

• Hover over the line and 3 icons will appear under the Batch Name column. Select the "i" icon to view the details of the batch

Batch name



Figure 16 - Batch detail button

• The batch details will indicate details of the batch process including any errors that occurred during the batch.

| Batch I      | Processing H           | listory:                          |                                  |                              |                     |
|--------------|------------------------|-----------------------------------|----------------------------------|------------------------------|---------------------|
| atch #322    | 2189 :                 |                                   |                                  |                              |                     |
| DATE TIM     | E                      | STATUS                            | USER                             | MESSAGE                      |                     |
| 2022-09      | -06 17:04:16           | Pending Creation                  | skenny_sp_user #286              | Batch created                | Batch created       |
| 2022-09      | -06 17:04:17           | Pending Issue                     |                                  |                              |                     |
| 2022-09      | -06 17:04:27           | Preparing Download                |                                  |                              |                     |
| 2022-09      | -06 17:04:27           | Ready For Download                |                                  | Processing batch CERT_RESULT | S                   |
| Certificates | s: 💩                   |                                   |                                  |                              | 🖾 Succeeded 🗹 Faile |
| ITEM #       | DATE TIME              | CERTIFICATE NAME                  | S/N                              | MESSAGE                      |                     |
| 0            | 2022-09-06<br>17:04:17 | CsvTemplate_Kyrio Inc Device Cert |                                  | Created from CSV line 0      |                     |
| 0            | 2022-09-06<br>17:04:27 | CsvTemplate_Kyrio Inc Device Cert | 6F51B1552CCE4B0EC18E345CCE135F64 | ISSUED                       |                     |
|              | 2022-09-06<br>17:04:17 | CsvTemplate_Kyrio Inc Device Cert |                                  | Created from CSV line 1      |                     |
|              | 2022-09-06<br>17:04:27 | CsvTemplate_Kyrio Inc Device Cert | 18EDF03B45358429085D48414EB9DE58 | ISSUED                       |                     |
|              |                        |                                   |                                  |                              |                     |
|              |                        |                                   |                                  |                              | Close               |
|              |                        |                                   |                                  |                              |                     |

Figure 17 - Order details

• If satisfied with the results, click **Close** and hover over the line again and select the green download icon

Batch name



Figure 18 - Download batch button

• The file will be downloaded to your computer and you can continue with your deployment process.

### Downloading root and intermediate certificates

You may need to download the root and intermediate (i.e. sub-CA or issuing CA) certificates to chain with your end entity certificates.

• Click on the Certificate Profiles tab.

| SECTIGO*   IoT<br>Manager v: 22.7.1.256 | Organization: CableLabs<br>Profile: DOCSIS_3.1-Flexible Profile_RSA2048_ | Certificates Ordered/Issued: 28/28<br>SH256 Certificates Available: 97 | ▲ Scott Kenny<br>Last login:<br>2022-12-01 12:04:19 from 172:24.52.81 |
|---|--|--|---|
| Batches Certificate Profiles            | Certificates   |  |   |
| Certificate Profiles List               | Search by certificate profile  | Q ×  |   |
| Profile id                              | Profile Name   | CA   | Generator Key Type  |
| 47                                      | DOCSIS 3.0   | Kyrio:DOCSIS Cable Modern Root Certificate Authority                   | alg: RSA, keySize: 1024   |
| 51                                      | DOCSIS 3.1   | Kyrio:CableLabs Device Certificate Authority SHA512                    | alg: RSA, keySize: 2048   |
| 233                                     | DOCSIS_3.0-Flexible Profile_RSA1024_SHA1                                 | Kyrio:DOCSIS Cable Modern Root Certificate Authority                   | alg: RSA, keySize: 1024   |
| 234                                     | DOCSIS_3.1-Flexible Profile_RSA2048_SH256                                | Kyrio:CableLabs Device Certificate Authority SHA512                    | alg: RSA, keySize: 2048   |
| 301                                     | DOCSIS_4.0-Flexible Profile_RSA2048_SHA256                               | Kyrio:CableLabs Device Certification Authority                         | alg: RSA, keySize: 2048   |
| 57                                      | DPoE_ONU_Device_CableLabs_RSA2048_SHA256                                 | Kyrio:CableLabs Device Certificate Authority SHA512                    | alg: RSA, keySize: 2048   |
| 58                                      | DPoE_ONU_Device_CableLabs_RSA2048_SHA512                                 | Kyrio:CableLabs Device Certificate Authority SHA512                    | alg: RSA, keySize: 2048   |
| 52                                      | OpenCable CableCard Device CA1-G5  | Kyrio:CableLabs Mfg CA1-G5   | alg: RSA, keySize: 1024   |
| 53                                      | OpenCable Host Device Certificate  | Kyrio:CableLabs Mfg CA6-G5   | alg: RSA, keySize: 1024   |

Figure 19 - Certificate profile listing

• Hover over the profile of the certificate you want to download and click on the line. A new window will display.

| Property            | Value                                |                      |
|---------------------|--------------------------------------|----------------------|
| Profile Id:         | 233                                  |                      |
| Profile Name:       | DOCSIS_3.0-Flexible Profile_RSA1024_ | _SHA1                |
| CA Name:            | Kyrio:DOCSIS Cable Modem Root Certif | ficate Authority 🕔   |
| Generator Key Type: | alg: RSA, keySize: 1024              | Download Certificate |
| Allowed Key Types:  | alg: RSA, keySize: 1024              |                      |
|                     | {     "Version": 1,                  |                      |

Figure 20 - Certificate profile detail

• Click on the download cloud icon. The root and intermediate certs will be downloaded by your browser as a ZIP file. *File download location will vary by browser and/or user settings.* 

### **Revoking certificates**

If you need to revoke the certificates, you have two options: revoke a whole batch or revoke an individual certificate.

#### Revoke a batch

• From the Batches tab, find the batch you would like to revoke.

| SECTIGO"   IoT<br>Manager v: 22.7.1.256 |                      |              | Organization: CableLabs<br>Profile: DOCSIS_3.1-Flexible Profile_RSA204 | Certificates<br>8_SH256 Certificates | s Ordered/Issued: 28/28<br>s Available: 97 | Last login:<br>2022-12-01 12:04:19 from | 172.24.52.81 |
|---|----------------------|--------------|--|--------------------------------------|--|---|--------------|
| Batches                                 | Certificate Profiles | Certificates |  |                                      |  |   |              |
|   | Eas Current          | Status       | -  |                                      |  |   |              |
| Batch Order List                        | Profile              | Batch name   | From date  | To date                              | Batch from size                            | Batch to size Q                         | ×            |
| Id                                      |                      | Size         | Status   |                                      | Creation date                              | Batch name                              |              |
| 323518                                  |                      | 1            | Zip removed after e  | xpiration                            | 2022-10-25 13:53:28                        | 1                                       |              |
| 322738                                  |                      | 25           | Rejected   |                                      | 2022-09-28 12:44:39                        | Test Batch 123                          |              |
| 319451                                  |                      | 2            | Zip removed after e  | xpiration                            | 2022-06-10 10:47:37                        | CL_Prod_Batch_D31_01                    |              |
|   |                      |              |  |                                      |  | items per page: 10 👻 1                  | - 3 of 3 < > |
|   |                      |              |  |                                      |  |   |              |
|   |                      |              |  |                                      |  |   |              |

Figure 21 - Batch order list



- Hover your mouse over the line of the batch you would like to revoke.
- On the right side of the line, three icons will appear. Select the right-most icon that is a yellow "X" with the "Revoke" label.



Figure 22 - Revoke batch option

• Confirm the reason to revoke the certificates and click "OK"

| Revoke Batch          |  |
|-----------------------|--|
| Please specify reason |  |
| Cancel                |  |
|                       |  |

Figure 23 - Revoke batch confirmation

• The Status of the batch will change to Revoked

| SECTIGO'   IoT<br>Manager v: 22.7.1.256 |                      |              | Organizati<br>Profile: Kyr | on: Kyrio, Inc<br>rio Inc Device Certificate | Certificates Ordered/Issu<br>Certificates Available: 4 | ued: 62/62          |               | Scott Kenny<br>Last login:<br>2022-09-06 09:5 | 55:52 from 1 | 172.24.20.173   | ≣  |
|---|----------------------|--------------|----------------------------|--|--|---------------------|---------------|---|--------------|-----------------|----|
| Batches                                 | Certificate Profiles | Certificates |                            |  |  |                     |               |   |              |                 |    |
| Batch Order List                        | For Current Profile  | Status       | Batch name                 | From date                                    | To date  | Batch from size     | Batch to size | 0   | Q            | ×               | Ä  |
| Id                                      |                      | Size         |                            | Status                                       |  | Creation date       | Batc          | h name  |              |                 |    |
| 322189                                  |                      | 3            |                            | Revoked                                      |  | 2022-09-06 17:04:16 | Cs            | vTemplate_Kyric                               | o Inc Device | e Certificate.c | sv |

Figure 24 - Batch order list

#### Revoke an individual certificate

• From the Certificates tab, search on the certificate(s) you want to revoke with the search options at the top (e.g. serial number, Batch ID)

| SE | CTIGO"   ;      | oT<br>Manager v∷ | 22.7.1.256   |                                     |         | Organization: Kyrio, Inc<br>Profile: Kyrio Inc Device  | Certificate                 | Certificates Ordered/Issue<br>Certificates Available: 4 | d: 62/62 |   |               | Last login:<br>2022-09-06 09:55:5 | 2 from 172.24.20.173 | ∎                 |
|----|-----------------|------------------|--------------|-------------------------------------|---------|--|-----------------------------|---|----------|---|---------------|-----------------------------------|----------------------|-------------------|
|    | Batches         | Certifica        | ate Profiles | Certificates                        |         |  |                             |   |          |   |               |                                   |                      |                   |
|    | Certificate Lis | t                | Name or S    | Subject<br>search by prefix is used | ±.      | Serial Number<br>Please note: search by prefix is used | Batch Id<br>Please note: or | ily numeric value                                       | Q        | × |               |                                   | $\odot$              |                   |
|    | Batch Id        | Name             |              | 5                                   | Subject |  |                             | Serial Number   |          |   | Creation Date |                                   | Status               |                   |
|    |                 |                  |              |                                     |         |  |                             |   |          |   |               | Items per page: 10                | ▼ 0 of 0             | $\langle \rangle$ |



#### By Batch

| SEC | CTIGO <sup>°</sup>   Mar | nager v: 22.7.1.256                                      | Organization: Kyrio, Inc<br>Profile: Kyrio Inc Device | Organization: Kyrio, Inc<br>Profile: Kyrio Inc Device Certificate<br>Certificates Available: 4 |                     |                     | 55:52 from 172.24.20.173 |
|-----|--------------------------|--|---|--|---------------------|---------------------|--------------------------|
| E   | atches                   | Certificate Profiles Certificates                        |   |  |                     |                     |                          |
|     | Certificate List         | Name or Subject<br>Please note: search by prefix is used | Serial Number  Please note: search by prefix is used  | Batch Id<br>322189<br>Please note: only numeric value  | Q X                 |                     | $\otimes$                |
|     | Batch Id                 | Name   | Subject   | Serial Number  |                     | Creation Date       | Status                   |
|     | 322189                   | CsvTemplate_Kyrio Inc Device<br>Certificate.csv-2        |   | 45F3B1BE96720  | 52E7805223055FB1DD2 | 2022-09-06 17:04:17 | Revoked                  |
|     | 322189                   | CsvTemplate_Kyrio Inc Device<br>Certificate.csv-1        |   | 18EDF03B45358  | 429085D48414EB9DE58 | 2022-09-06 17:04:17 | Revoked                  |
|     | 322189                   | CsvTemplate_Kyrio Inc Device<br>Certificate.csv-0        |   | 6F51B1552CCE4  | B0EC18E345CCE135F64 | 2022-09-06 17:04:17 | Revoked                  |
|     |                          |  |   |  |                     | Items per page: 10  |                          |

#### Figure 26 - Certificate list (filter by batch)

#### By Serial

| S | ectigo"   {     | oT<br>Manager v: 1 | 22.7.1.256                      |                                 |       | Organization: Kyrio, Inc<br>Profile: Kyrio Inc Device                              | Certificate                  | Certificates Ordered/Issue<br>Certificates Available: 4 | d: 62/62  |            |                  | Last login:<br>2022-09-06 09:55:52 from 172.24.20.17 | 3 ≣ |
|---|-----------------|--------------------|---------------------------------|---------------------------------|-------|--|------------------------------|---|-----------|------------|------------------|--|-----|
|   | Batches         | Certifica          | ate Profiles                    | Certificates                    |       |  |                              |   |           |            |                  |  |     |
|   | Certificate Lis | t                  | Name or Sul                     | bject<br>irch by prefix is used | ±     | Serial Number 51B1552CCE4B0EC18E345CCE135F64 Please note: search by prefix is used | Batch Id<br>Please note: onl | y numeric value   | ۹         | ×          |                  | $^{\circ}$   |     |
|   | ] Batch Id      | Name               | 1                               |                                 | Subje | ut.  |                              | Serial Number   |           |            | Creation Date    | Status   |     |
|   | 322189          | Csv<br>Cert        | Template_Kyric<br>ificate.csv-0 | Inc Device                      |       |  |                              | 6F51B1552CCE4   | B0EC18E34 | 5CCE135F64 | 2022-09-06 17:04 | :17 Revoked  |     |
|   |                 |                    |                                 |                                 |       |  |                              |   |           |            | Item             | s per page: 10 💌 1 – 1 of 1                          | < > |

Figure 27 - Certificate list (filter by serial ID)

• Select the certificates you want to revoke by checking the box at the beginning of the line.

| SEC |                  | nager v: 22.7.1.256                                      | Organization: Kyrio, Inc<br>Profile: Kyrio Inc Device | Certificates Ordered/Issue<br>Certificates Available: 1 | d: 65/65            | Last login:<br>2022-09-06 16:58 | :02 from 172.24.20.173       |
|-----|------------------|--|---|---|---------------------|---------------------------------|------------------------------|
| E   | Batches          | Certificate Profiles Certificates                        |   |   |                     |                                 |                              |
|     | Certificate List | Name or Subject<br>Please note: search by prefix is used | Serial Number  Please note: search by prefix is used  | Batch Id<br>322196<br>Please note: only numeric value   | Q ×                 |                                 | 0                            |
| -   | Batch Id         | Name   | Subject   | Serial Number   |                     | Creation Date                   | Revoke selected certificates |
|     | 322196           | Sample_Batch_20.csv-0                                    |   | 13BF721BB43A6   | 09DB69F50BE95793ED9 | 2022-09-06 17:59:42             | Ready For Download           |
|     | 322196           | Sample_Batch_20.csv-2                                    |   | 60E11C573EDDD   | 221D37ADBC6BA181ABA | 2022-09-06 17:59:42             | Ready For Download           |
|     | 322196           | Sample_Batch_20.csv-1                                    |   | 08A4389AB9A17   | 939E66A31E7AEB724CB | 2022-09-06 17:59:42             | Ready For Download           |
|     |                  |  |   |   |                     | Items per page: 10              | ■ 1 - 3 of 3 < >             |

Figure 28 - Certificate list (selected certs)

• Click the "Revoke" icon on the right side of the screen.

• Confirm the reason to revoke the certificates and click "OK".



Figure 29 - Revocation confirm

• The Status of the batch will change to Revoked.

| SEC |                  | T<br>anager v: 22.7.1.256                                | Organization: Kyrio<br>Profile: Kyrio Inc De         | Organization: Kyrio, Inc. Certificates Ordered/Issued: 65/65<br>Profile: Kyrio Inc Device Certificate Certificates Available: 1 |                        |            | Last login:<br>2022-09-06 16:58:02 from 172.24.20.173 ≡ |                    |  |
|-----|------------------|--|--|---|------------------------|------------|---|--------------------|--|
| E   | Batches          | Certificate Profiles Certificates                        |  |   |                        |            |   |                    |  |
|     | Certificate List | Name or Subject<br>Please note: search by prefix is used | Serial Number  Please note: search by prefix is used | Batch Id<br>322196<br>Please note: only numeric   | value Q                | ×          |   | $\otimes$          |  |
|     | Batch Id         | Name   | Subject  |   | Serial Number          |            | Creation Date   | Status             |  |
|     | 322196           | Sample_Batch_20.csv-0                                    |  |   | 13BF721BB43A609DB69F50 | BE95793ED9 | 2022-09-06 17:59:42                                     | Revoked            |  |
|     | 322196           | Sample_Batch_20.csv-2                                    |  |   | 60E11C573EDDD221D37ADB | C6BA181ABA | 2022-09-06 17:59:42                                     | Revoked            |  |
|     | 322196           | Sample_Batch_20.csv-1                                    |  |   | 08A4389AB9A17939E66A31 | E7AEB724CB | 2022-09-06 17:59:42                                     | Ready For Download |  |
|     |                  |  |  |   |                        |            | Items per page: 10                                      |                    |  |

Figure 30 - Certificate list (revocation completed)