

# Epson Connect API Ver.1.3 Specification

SEIKO EPSON CORPORATION  
2022/12/7

## Table of Contents

<b>1. Overview.....</b>	<b>3</b>
<b>2. Basic matters.....</b>	<b>3</b>
2.1. Application.....	3
2.2. Country and region .....	3
2.3. Glossary .....	3
2.4. Communication Protocol .....	3
2.5. License.....	3
2.6. Printable files.....	3
<b>3. Functional description.....</b>	<b>4</b>
3.1. Printing .....	4
3.2. Scanning .....	5
<b>4. API detailed specifications .....</b>	<b>6</b>
4.1. API list .....	6
4.2. Common error.....	6
4.3. API detailed specifications .....	7
4.3.1. Authentication.....	7
4.3.2. Reissue access token.....	9
4.3.3. Get device print capabilities .....	11
4.3.4. Print setting.....	14
4.3.5. Upload print file.....	17
4.3.6. Execute print.....	18
4.3.7. Cancel print.....	20
4.3.8. Get print job information .....	22
4.3.9. Get device information .....	24
4.3.10. Cancel authentication.....	26
4.3.11. Notification setting.....	27
4.3.12. Get scan destination list .....	29
4.3.13. Register scan destination .....	31
4.3.14. Update scan destination .....	33
4.3.15. Delete scan destination .....	35
<b>5. Limitation of Usage.....</b>	<b>37</b>
5.1. Limitation on using license.....	37
5.2. Limitation on print job.....	37
5.2.1. Limitation on Execute print .....	37
5.2.2. Limitation on print job with status of waiting to print.....	37
5.2.3. Limitation on getting print job information .....	37
<b>Appendix A. User page.....</b>	<b>38</b>
<b>Appendix B. Paper Size.....</b>	<b>39</b>
<b>Appendix C. Paper Type.....</b>	<b>40</b>
<b>Appendix D. Paper Source.....</b>	<b>41</b>
<b>Appendix E. Print Job Status .....</b>	<b>42</b>

## 1. Overview

The Epson Connect API (After this, it is described as API) provides ways of controlling and executing printing to the device connected to Epson Connect.

## 2. Basic matters

### 2.1. Application

This document applies to the API Ver.1.3.

### 2.2. Country and region

Worldwide (excluding People's Republic of China)

### 2.3. Glossary

**Table 2.1 Glossary**

Term	Description
Epson Connect	Cloud service that realizes an environment where you can easily use printing and scanning anywhere
Device	Printers connected to Epson Connect Does not include single function scanners (scanners)
Device ID	Unique ID that identifies a device
Print job ID	Unique ID that identifies a print job

### 2.4. Communication Protocol

The following is communication specifications between Epson Connect and API usage service.

- Use HTTPS
- Character code: UTF-8(character head is not added by BOM)

### 2.5. License

You must apply for the license to use the API. You will receive the following information when the license is issued.

- Client ID
- Client Secret
- Host name

### 2.6. Printable files

Please refer to the following website. Printable files are the same as mail print.  
([https://www.epsonconnect.com/faq/en/#emailprint\\_q03](https://www.epsonconnect.com/faq/en/#emailprint_q03))

### 3. Functional description

#### 3.1. Printing

The API usage service prints a document via Epson Connect using the API. Figure 3.1 shows the Print outline, and Figure 3.2 shows the Print flow. Please refer to 4.3 API detailed specifications for details.

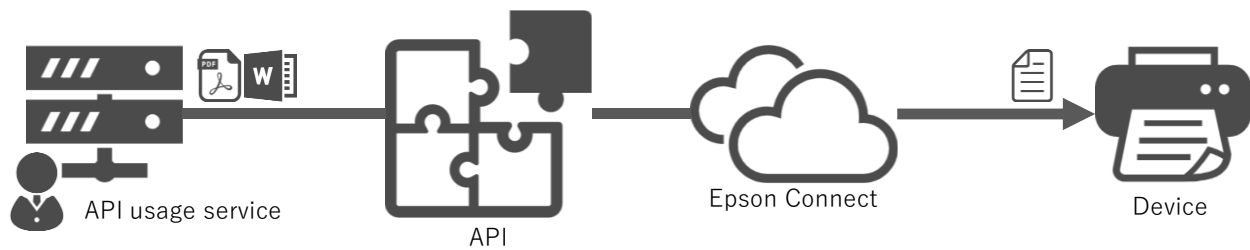


Figure 3.1 Print outline

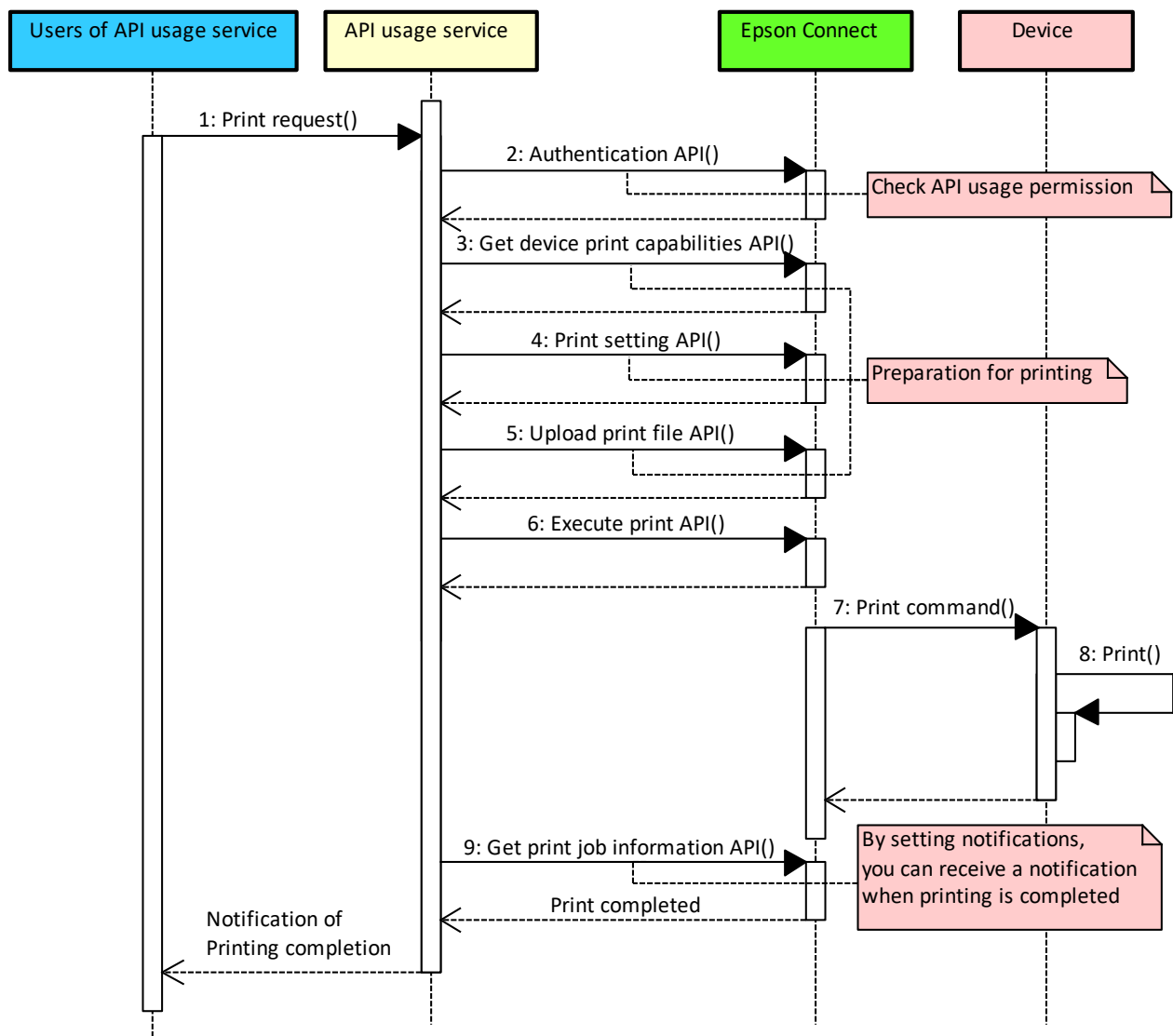


Figure 3.2 Print flow

### 3.2. Scanning

The API usage service registers the scan destination in Epson Connect using the API. The user selects a destination from the scan destinations registered in Epson Connect and executes the scan. Figure 3.3 shows the Scan outline, and Figure 3.4 shows the Scan flow. Please refer to 4.3 API detailed specifications for details.

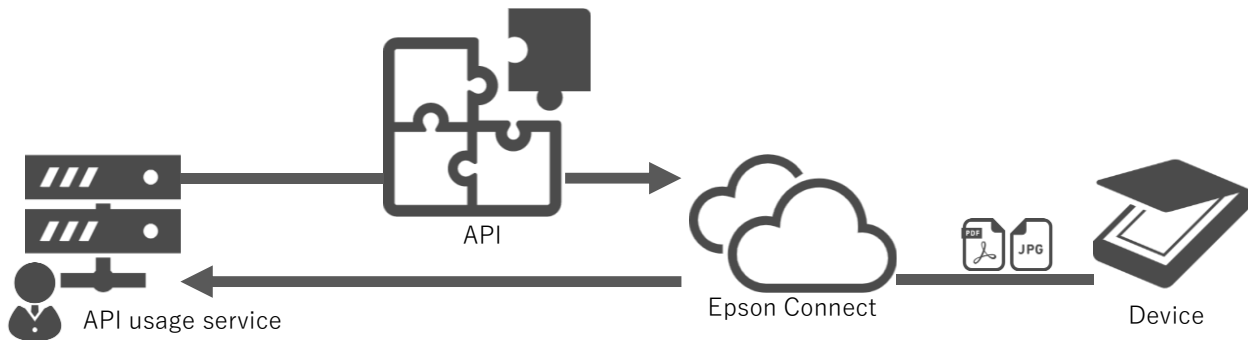


Figure 3.3 Scan outline

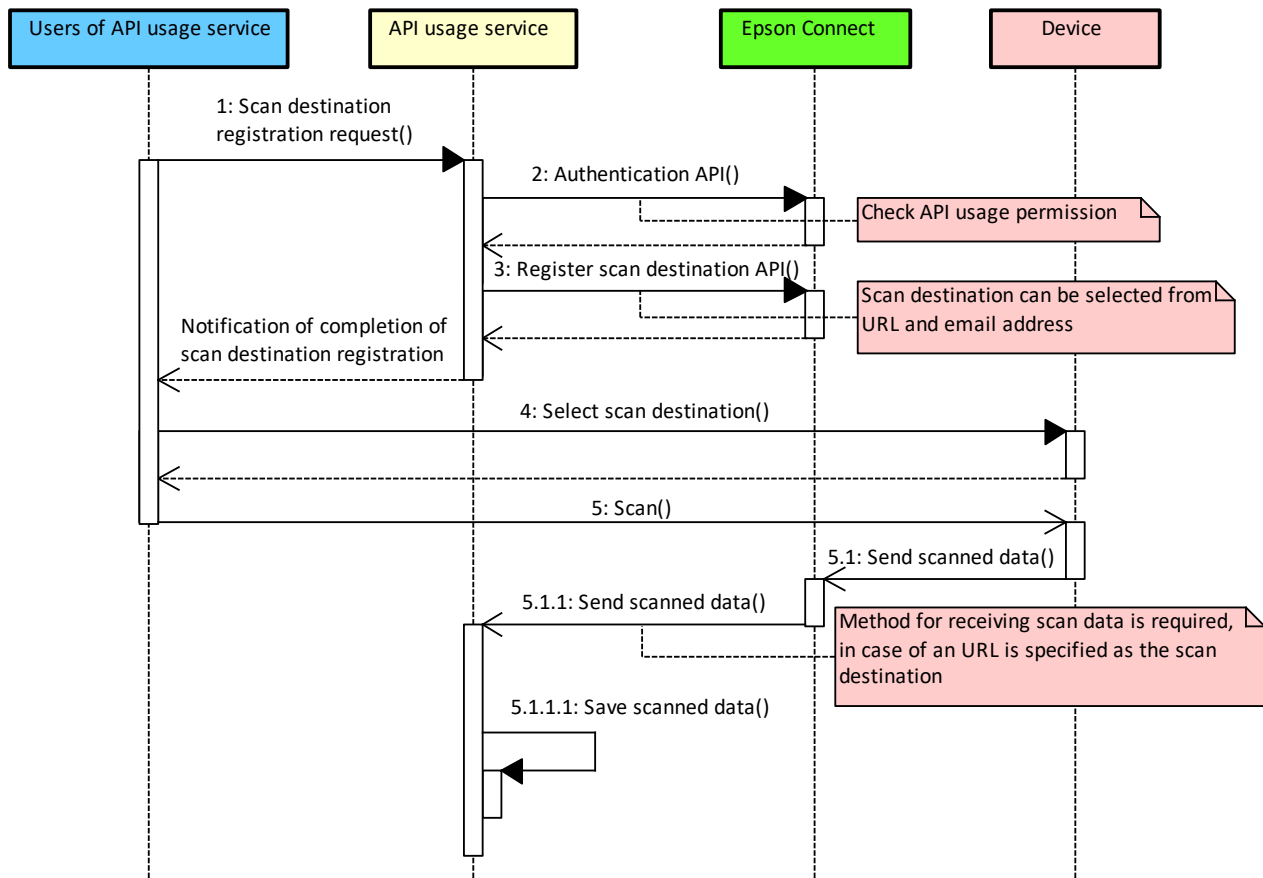


Figure 3.4 Scan flow

## 4. API detailed specifications

### 4.1. API list

Table 4.1 shows API list. Also, the API is called in the following format. "xxx.xxx.xxx" is replaced with the host name given to you when the license is issued.

Ex) Authentication API

<https://xxx.xxx.xxx/api/1/printing/oauth2/auth/token?subject=printer>

**Table 4.1 API list**

API Name	Method	API Endpoint
Authentication	POST	/api/1/printing/oauth2/auth/token?subject=printer
Reissue access token	POST	/api/1/printing/oauth2/auth/token?subject=printer
Get device print capabilities	GET	/api/1/printing/printers/{device_id}/capability/{print_mode}
Print setting	POST	/api/1/printing/printers/{device_id}/jobs
Upload print file	POST	{upload_uri}/File=1.{extension}
Execute print	POST	/api/1/printing/printers/{device_id}/jobs/{job_id}/print
Cancel print	POST	/api/1/printing/printers/{device_id}/jobs/{job_id}/cancel
Get print job information	GET	/api/1/printing/printers/{device_id}/jobs/{job_id}
Get device information	GET	/api/1/printing/printers/{device_id}
Cancel authentication	DELETE	/api/1/printing/printers/{device_id}
Notification setting	POST	/api/1/printing/printers/{device_id}/settings/notification
Get scan destination list	GET	/api/1/scanning/scanners/{device_id}/destinations
Register scan destination	POST	/api/1/scanning/scanners/{device_id}/destinations
Update scan destination	PUT	/api/1/scanning/scanners/{device_id}/destinations
Delete scan destination	DELETE	/api/1/scanning/scanners/{device_id}/destinations

### 4.2. Common error

Table 4.2 shows API common error. However, following APIs define its own errors.

- Authentication API
- Reissue access token API
- Upload print file API

**Table 4.2 Common error**

Error string	Status code	Description
parse_error	400	Specified resource, query string format is invalid (Parse failure)
validation_error	400	Specified resource, query string is invalid (Detection error)
invalid_resource	400	Resource content is invalid
Authentication_error	401	Authentication failure
access_token_verification_failed	401	Access token is invalid
forbidden	403	Specified token is not authorized to access specified resource Called API that is not authorized Device ID is invalid
rate_limit_exceeded	403	Exceed maximum number of API calls
not_found	404	URI is invalid
method_not_allowed	405	HTTP method is unsupported or invalid
unsupported_media_type	415	Content-Type is unsupported or invalid
internal_server_error	500	Unexpected error occurred
service_unavailable	503	Service stopped

### 4.3. API detailed specifications

#### 4.3.1. Authentication

Check the API usage permission, then issue the device ID, access token and refresh token.

##### (1) Request

###### a. Command URI

https://xxx.xxx.xxx/api/1/printing/oauth2/auth/token?subject=printer

###### b. HTTP Method

POST

###### c. HTTP header

Header name	Required	Value
Authorization	○	Client ID and Client Secret encoded in Basic authentication format
Content-Type	○	application/x-www-form-urlencoded; charset=UTF-8

###### d. Query string

subject=printer
-----------------

Item name	Required	Description
subject	○	“printer” fixed

###### e. HTTP body

grant_type=password&username=epsonsample@print.epsonconnect.com&password=
---

Item name	Required	Description
grant_type	○	“password” fixed
username	○	Printer email address* that you want to issue an access token * Granted when registering for Epson Connect
password	○	Blank

##### (2) Normal Response

###### a. HTTP Header

Header name	Value
Content-Type	application/json

###### b. Status code

Status code	Description
200	Success

###### c. HTTP Body

<pre>{   "token_type": "Bearer",   "access_token": "meJFiYNJHeH2D4rPLqqvkcr3BrUq4qhcYDkMPxd0y5Xms172iyPHLiAPcrw8vGMk",   "expires_in": 3600,   "refresh_token": "3vBbccxGKf2FAIWLwu8xWnjTNEImJQV6NTdSTCx10cp91UXpysT1de0syQVgfafk",   "subject_type": "",   "subject_id": "da472a80320345b08761200bb8d9a72a" }</pre>
--

Item name	Type	Description
token_type	String	“Bearer” fixed
access_token	String	Access token
expires_in	Numeric	Expiration of issued access token (sec) ”3600” (1 hour) fixed
refresh_token	String	Refresh Token
subject_type	-	Not used
subject_id	String	Device ID that identifies a device

(3) Error response

a. HTTP header

Header name	Value
Content-Type	application/json
WWW-Authenticate	Basic realm="Token Generation" *Only when "invalid client" (Status code 401) is returned

b. HTTP body

{ "error": "..." }
--------------------------

Item name	Type	Description
error	String	Following error string

Error string	Status code	Description
invalid_request	400	username, password format is invalid
invalid_grant	400	Printer email address is invalid Remote print is not allowed in the Print Settings (Refer to Appendix A)
unsupported_grant_type	400	grant type is invalid
invalid_client	401	Authentication failed
server_error	500	Unexpected error



#### 4.3.2. Reissue access token

If you use the refresh token obtained by 4.3.1 Authentication, access token can be reissued without using the printer email address. The refresh token is issued per authentication, and up to 5 tokens can be used in a sequential order.

##### (1) Request

###### a. Command URI

`https://xxx.xxx.xxx/api/1/printing/oauth2/auth/token?subject=printer`

###### b. HTTP Method

POST

###### c. HTTP header

Header name	Required	Value
Authorization	<input type="radio"/>	Client ID and Client Secret encoded in Basic authentication format
Content-Type	<input type="radio"/>	application/x-www-form-urlencoded; charset=UTF-8

###### d. Query string

subject=printer
-----------------

Item name	Required	Description
subject	<input type="radio"/>	“printer” fixed

###### e. HTTP body

grant_type=refresh_token&refresh_token=3vBbccxGKf2FAIWLwu8xWnjTNEImJQV6NTdSTCxl0cp91UXpysT1de0syQVgfafk
---

Item name	Required	Description
grant_type	<input type="radio"/>	“refresh_token” fixed
refresh_token	<input type="radio"/>	Refresh token

##### (2) Normal response

###### a. HTTP header

Header name	Value
Content-Type	application/json

###### b. Status code

Status code	Description
200	Success

###### c. HTTP body

<pre>{   "token_type": "Bearer",   "access_token": "uzPZw6BNzCKu99CUytNku4wPgtKsLVd5HLDew3NpRgVdh803diTVMMemliBgg4l",   "expires_in": 3600,   "subject_type": "",   "subject_id": "da472a80320345b08761200bb8d9a72a" }</pre>
--

Item name	Type	Description
token_type	String	“Bearer” fixed
access_token	String	Reissued access token
expires_in	Numeric	Expiration of reissued access token (sec) ”3600” (1 hour) fixed
subject_type	-	Not used
subject_id	String	Device ID that identifies a device

(3) Error response

a. HTTP header

Header name	Value
Content-Type	application/json
WWW-Authenticate	Basic realm="Token Generation" *Only when "invalid_client" (Status code 401) is returned

b. HTTP body

{ "error": "..." }
--------------------------

Item name	Type	Description
error	String	Following error string

Error string	Status code	Description
invalid_request	400	Request parameter format is invalid
invalid_grant	400	Refresh token is invalid Authenticated device registration has been deleted Remote print is not allowed in the Print Settings (Refer to Appendix A)
unsupported_grant_type	400	grant type is invalid
invalid_client	401	Authentication failed
server_error	500	Unexpected error

#### 4.3.3. Get device print capabilities

Get the print capabilities information for the specified device. The obtained print capabilities information is fixed for each device, so it can be reused.

##### (1) Request

###### a. Command URI

`https://xxx.xxx.xxx/api/1/printing/printers/{device_id}/capability/{print_mode}`

Item name	Required	Value
device_id	○	Device ID
print_mode	○	Print mode Specify “document” or “photo” document ... Get capabilities to print document photo ... Get capabilities to print image

###### b. HTTP Method

GET

###### c. HTTP header

Header name	Required	Value
Authorization	○	Bearer format access token

###### d. Query string

None

###### e. HTTP body

None

##### (2) Normal response

###### a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

###### b. Status code

Status code	Description
200	Success

### c. HTTP body

```
{
  "color_modes": [
    "color",
    "mono"
  ],
  "media_sizes": [
    {
      "media_size": "ms_legal",
      "media_types": [
        {
          "media_type": "mt_plainpaper",
          "borderless": false,
          "sources": [
            "front2"
          ],
          "print_qualities": [
            "normal",
            "high"
          ],
          "2_sided": false
        }
      ]
    },
    ...
  ]
}
```

Item name	Type	Description
color_modes	Array (String)	Array containing printable color modes 「"color", "mono"」 or 「"mono"」 color ... Color printing support mono ... Monochrome (grayscale) printing support
media_sizes	Array (Object)	Array containing print capabilities object per paper size
media_size	String	Printable paper size (Refer to Appendix B)
media_types	Array (Object)	Array containing print capabilities object per paper type
media_type	String	Printable paper type (Refer to Appendix C)
borderless	boolean	Borderless printing support availability true or false
sources	Array (String)	Array containing available paper source (Refer to Appendix D)
print_qualities	Array (String)	Array containing available print quality "high", "normal" or "draft" high ... High Quality normal ... Standard draft ... Fast
2_sided	boolean	2-sided printing support availability true or false

(3) Error response

a. HTTP Header

Header name	Value
Content-Type	application/json; charset=UTF-8

b. HTTP body

{ "code": "..." }
-------------------------

Item name	Type	Description
code	String	Following error string

Error string	Status code	Description
printer_not_found	404	Device ID is invalid The device has been deleted from Epson Connect

Please refer to Table 4.2 for Common Error.

#### 4.3.4. Print setting

Set print settings and issue a print job ID. Specify the value according to the print settings obtained by the Get device print capabilities API.

##### (1) Request

###### a. Command URI

`https://xxx.xxx.xxx/api/1/printing/printers/{device_id}/jobs`

Item name	Required	Value
device_id	<input type="radio"/>	Device ID

###### b. HTTP Method

POST

###### c. HTTP header

Header name	Required	Value
Authorization	<input type="radio"/>	Bearer format access token
Content-Type	<input type="radio"/>	application/json; charset=UTF-8

###### d. Query string

None

###### e. HTTP body

<pre>{   "job_name": "sample",   "print_mode": "document",   "print_setting": {     "media_size": "ms_a4",     "media_type": "mt_plainpaper",     "borderless": false,     "print_quality": "normal",     "source": "front2",     "color_mode": "mono",     "2_sided": "none",     "reverse_order": false,     "copies": 1,     "collate": true   } }</pre>
---

Item name	Required	Type	Description
job_name	○	String	Name to identify a print job (for example, the name of a file to print) Specify with 1 to 256 characters
print_mode	○	String	Print mode Specify “document” or “photo” document ... Printing a document photo ... Printing an image
print_setting		Array (Object)	Array containing print settings object If not specified, the default print settings defined in Epson Connect are applied
media_size	○*	String	Paper size to print (Refer to Appendix B)
media_type	○*	String	Paper type to print (Refer to Appendix C)
borderless	○*	boolean	Border/Borderless when printing Specify true or false true ... Print without borders false ... Print with borders
print_quality	○*	String	Print quality when printing Specify “high”, “normal” or “draft” high ... High Quality normal ... Standard draft ... Fast
Source	○*	String	Paper source when printing (Refer to Appendix D)
color_mode	○*	String	Color mode when printing Specify “color” or “mono” color ... Color printing mono ... Monochrome (grayscale) printing
2_sided		String	2-sided printing Specify “none”, “long” or “short” none ... 1-sided printing long ... 2-sided printing (Long-edge binding) short ... 2-sided printing (Short-edge binding) If a value is not specified, “none” is set
reverse_order		boolean	Enable/Disable reverse order printing Specify true or false true ... Print from the last page false ... Print from the first page If a value is not specified, false is set If “long” or “short” is specified for 2-sided printing, false is set
copies		Numeric	Number of copies Specify between 1 and 99 If a number is not specified, 1 is set
collate		boolean	Enable/Disable collation printing Specify true or false true ... Printing in sets false ... Printing page-by-page If a value is not specified, true is set If “long” or “short” is specified for 2-sided printing, true is set

\*It is required when "print\_setting" is specified

(2) Normal Response

a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

b. Status code

Status code	Description
201	Success

c. HTTP body

{ "id": "886ba15084e744c98d9913786bbaf1ac", "upload_uri": "https://example.com/c33fe124ef80c3b13670be27a6b0bcd7/v1/storage/PostData?Key=589cfa0b4207304d8c0c4cbe010af297ce4ae0b1393159533bca1e8d92c4427c2303795beb833848" }
--

Item name	Type	Description
Id	String	Print job ID of the created print job
upload_uri	String	URI to upload a file to print

(3) Error Response

a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

b. HTTP body

{ "code": "..." }
-------------------------

Item name	Type	Description
code	String	Following error string

Error string	Status code	Description
invalid_resource	400	Some of print settings are invalid
printer_not_found	404	Device ID is invalid The device has been deleted from Epson Connect

Please refer to Table 4.2 for Common Error.



#### 4.3.5. Upload print file

Upload documents or image files to print

##### (1) Request

###### a. Command URI

{upload\_uri}/File=1.{extension}

Item name	Required	Value
upload_uri	○	Upload URI issued in 4.3.4 Print setting

###### b. HTTP Method

POST

###### c. HTTP header

Header name	Required	Value
Content-Length	○	The file size (unit: byte) "print_mode" is "document" ... Maximum 20MB "print_mode" is "photo" ... Maximum 10MB
Content-Type	○	MIME-Type according to the file to send Specify "application/octet-stream" or "image/jpeg" application/octet-stream ... Printing a document image/jpeg ... Printing an image

###### d. Query string

Key=589cfa0b4207304d8c0c4cbe010af297ce4ae0b1393159533bca1e8d92c4427c2303795beb833848&File=1.pdf
---

Item name	Required	Description
Key	○	Key included in the URI obtained by the Print setting API
File	○	File extension to upload Specify "1. {extension}" Ex.) If the file name is "simple.pdf", specify "1.pdf"

###### e. HTTP body

Specify the file data to send.

##### (2) Response

Result is returned with Status code.

Status code	Description
200	Success
404	The Key included in the upload URI is invalid
413	Reached the upload capacity limit
415	The uploaded file is invalid

#### 4.3.6. Execute print

Start printing the specified print job.

##### \* Limitation

Refer to 5.2.1 Limitation on Execute print

Refer to 5.2.2 Limitation on print job with status of waiting to print

##### (1) Request

###### a. Command URI

https://xxx.xxx.xxx/api/1/printing/printers/{device\_id}/jobs/{job\_id}/print

Item name	Required	Value
device_id	○	Device ID
job_id	○	Print job ID

###### b. HTTP Method

POST

###### c. HTTP header

Header name	Required	Value
Authorization	○	Bearer format access token

###### d. Query string

None

###### e. HTTP body

None

##### (2) Normal Response

###### a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

###### b. Status code

Status code	Description
200	If printing is not performed normally, check the print job status with the Get print job information API (Refer to Appendix E)

###### c. HTTP body

{ }
--------

Item name	Type	Description
None	-	-

(3) Error header response

a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

b. HTTP body

{ "code": "..." }
-------------------------

Item name	Type	Description
code	String	Following error string

Error string	Status code	Description
printjob_too_many	403	There are 100 print jobs with status of waiting to print
printer_not_found	404	Device ID is invalid The device has been deleted from Epson Connect
job_not_found	404	Print job ID is invalid
command_not_allowed	405	This API cannot call in current status * Upload the print file before calling this API

Please refer to Table 4.2 for Common Error.

#### 4.3.7. Cancel print

Cancel printing for specified print job.

##### \* Precautions

Cancellation is possible only when the print job status is “pending\_held” or “pending”.

Refer to Appendix E Print Job Status for print job status.

##### (1) Request

###### a. Command URI

[https://xxx.xxx.xxx/api/1/printing/printers/{device\\_id}/jobs/{job\\_id}/cancel](https://xxx.xxx.xxx/api/1/printing/printers/{device_id}/jobs/{job_id}/cancel)

Item name	Required	Value
device_id	○	Device ID
job_id	○	Print job ID

###### b. HTTP Method

POST

###### c. HTTP Header

Header name	Required	Value
Authorization	○	Bearer format access token
Content-Type	○	application/json; charset=UTF-8

###### d. Query string

None

###### e. HTTP body

{ "operated_by": "user" }
---------------------------------

Item name	Required	Type	Description
operated_by		String	Specify the user who performs cancellation Specify “user” or “operator” user     ••• Who has end-user privilege operator ••• Who has administrator (system) privilege If not specified, “user” is set

##### (2) Normal Response

###### a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

###### b. Status code

Status code	Description
200	Success

###### c. HTTP body

{ } }
-------------

Item name	Type	Description
None	-	-

(3) Error response

a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

b. HTTP body

{ "code": "..." }
-------------------------

Item name	Type	Description
code	String	Following error string

Error string	Status code	Description
printer_not_found	404	Device ID is invalid The device has been deleted from Epson Connect
job_not_found	404	Print job ID is invalid
command_not_allowed	405	This API cannot call in current status

Please refer to Table 4.2 for Common Error.

#### 4.3.8. Get print job information

Get the information for the specified print job. This API can call after calling the Execute print API.

##### \* Limitation

##### 5.2.3 Limitation on getting print job information

##### (1) Request

##### a. Command URI

`https://xxx.xxx.xxx/api/1/printing/printers/{device_id}/jobs/{job_id}`

Item name	Required	Value
device_id	<input type="radio"/>	Device ID
job_id	<input type="radio"/>	Print job ID

##### b. HTTP method

GET

##### c. HTTP header

Header name	Required	Value
Authorization	<input type="radio"/>	Bearer format access token

##### d. Query string

None

##### e. HTTP body

None

##### (2) Normal Response

##### a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

##### b. Status code

Status code	Description
200	Success

##### c. HTTP body

<pre>{   "status": "completed",   "status_reason": "",   "start_date": "2021/08/06 02:00:45",   "job_name": "sample",   "total_pages": 1,   "update_date": "2021/08/06 02:01:26" }</pre>
--

Item name	Type	Description
status	String	Print job status (Refer to Appendix E)
status_reason	String	Detailed information of print job status (Refer to Appendix E)
start_date	Date	Printing date (UTC) Format: “YYYY/MM/DD HH:MM:SS”
job_name	String	Print job name specified by the Print setting API
total_pages	Numeric	When the status is "Print completed", "Number of pages of print file" × "Number of copies" is returned When the print job status is other than "Print completed", 0 is returned
update_date	Date	Print job status updated (UTC) Format: “YYYY/MM/DD HH:MM:SS”

(3) Error response

a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

b. HTTP body

{ "code": "..." }
-------------------------

Item name	Type	Description
code	String	Following error string

Error string	Status code	Description
printer_not_found	404	Device ID is invalid The device has been deleted from Epson Connect
job_not_found	404	Print job ID is invalid

Please refer to Table 4.2 for Common Error.

#### 4.3.9. Get device information

Get the information for the specified device.

##### (1) Request

###### a. Command URI

`https://xxx.xxx.xxx/api/1/printing/printers/{device_id}`

Item name	Required	Value
device_id	○	Device ID

###### b. HTTP method

GET

###### c. HTTP header

Header name	Required	Value
Authorization	○	Bearer format access token

###### d. Query string

None

###### e. HTTP body

None

##### (2) Normal Response

###### a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

###### b. Status code

Status code	Description
200	Success

###### c. HTTP body

{ "printer_name": "EP-805AR", "serial_no": "QYNY027180", "ec_connected": true }
---

Item name	Type	Description
printer_name	String	Product name of the device
serial_no	String	Serial No. of the device
ec_connected	boolean	Connection status between Epson Connect and the device true or false true ... Connecting false ... Disconnected



(3) Error response

a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

b. HTTP body

{ "code": "..." }
-------------------------

Item name	Type	Description
code	String	Following error string

Error string	Status code	Description
printer_not_found	404	Device ID is invalid The device has been deleted from Epson Connect

Please refer to Table 4.2 for Common Error.

#### 4.3.10. Cancel authentication

Expire the device ID, access token and refresh token of the specified device.

##### (1) Request

###### a. Command URI

https://xxx.xxx.xxx/api/1/printing/printers/{device\_id}

Header name	Required	Value
device_id	○	Device ID

###### b. HTTP method

DELETE

###### c. HTTP header

Header name	Required	Value
Authorization	○	Bearer format access token

###### d. Query string

None

###### e. HTTP body

None

##### (2) Normal response

###### a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

###### b. Status code

Status code	Description
200	Success

###### c. HTTP body

{ }
--------

Item name	Type	Description
None	-	-

##### (3) Error response

###### a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

###### b. HTTP body

{ "code": "..." }
-------------------------

Item name	Type	Description
code	String	Following error string

Error string	Status code	Description
printer_not_found	404	Device ID is invalid The device has been deleted from Epson Connect

Please refer to Table 4.2 for Common Error.

#### 4.3.11. Notification setting

Set whether to notify the print job status change or not. Note, notification setting is available for each client ID.

##### (1) Request

###### a. Command URI

https://xxx.xxx.xxx/api/1/printing/printers/{device\_id}/settings/notification

Header name	Required	Value
device_id	<input type="radio"/>	Device ID

###### b. HTTP method

POST

###### c. HTTP header

Header name	Required	Value
Authorization	<input type="radio"/>	Bearer format access token
Content-Type	<input type="radio"/>	application/json; charset=UTF-8

###### d. Query string

None

###### e. HTTP body

{ "notification": true, "callback_uri": "http://example.com" }
---

Item name	Required	Type	Description
notification	<input type="radio"/>	boolean	Notify/Not notify Specify true or false true ... Notify false ... Not notify
callback_uri	<input type="radio"/>	String	URI to receive the notification Specify with 11 to 2048 characters * It is essential to prepare a mechanism to receive notifications

##### (2) Normal response

###### a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

###### b. Status code

Status code	Description
200	Success

###### c. HTTP body

{ }
--------

Item name	Type	Description
None	-	-

(3) Error response

a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

b. HTTP body

{ "code": "..." }
-------------------------

Item name	Type	Description
code	String	Following error string

Error string	Status code	Description
printer_not_found	404	Device ID is invalid The device has been deleted from Epson Connect

Please refer to Table 4.2 for Common Error.

(4) Notification format

The print job status is notified to the specified URI in the following format.

a. HTTP method

POST

b. HTTP header

Header name	Value
Content-Type	application/json

c. Query string

None

d. HTTP body

{ "Param": { "JobId": "d318caa88966442faace090f858aef35", "JobStatus": { "Status": "Pending", "StatusReason": "JobQueued", "UpdateDate": "2021/08/06 06:42:13" } } }
---

Item name	Type	Description
Param	Array (Object)	Array containing print job object
JobId	String	Print job ID
JobStatus	Array (Object)	Array containing print job status object
Status	String	Print job status (Refer to Appendix E)
StatusReason	String	Detailed information of print job status (Refer to Appendix E)
UpdateDate	String	Print job status updated (UTC) Format: "YYYY/MM/DD HH:MM:SS"

#### 4.3.12. Get scan destination list

Get a scan destination list registered in the device.

##### (1) Request

###### a. Command URI

https://xxx.xxx.xxx/api/1/scanning/scanners/{device\_id}/destinations

Item name	Required	Value
device_id	<input type="radio"/>	Device ID

###### b. HTTP method

GET

###### c. HTTP header

Header name	Required	Value
Authorization	<input type="radio"/>	Bearer format access token

###### d. Query string

None

###### e. HTTP body

None

##### (2) Normal Response

###### a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

###### b. Status code

Status code	Description
200	Success

###### c. HTTP body

<pre>{   "destinations": [     {       "id": "7cbbdaf74ad7442e95365407e4495711",       "alias_name": "mail_sample",       "type": "mail",       "destination": "epsonconnectapi@exc.epson.co.jp"     },     {       "id": "72077c0f7de44c94b3ba719e53f4cd32",       "alias_name": "url_sample",       "type": "url",       "destination": "http://example.com"     }   ] }</pre>
--

Item name	Type	Description
destinations	Array (Object)	Array containing Scan destination object
id	String	Scan destination ID
alias_name	String	Alias name
type	String	Type of scan destination “url” or “mail” url ... URL mail ... E-mail address *Scan destination of URL will not be displayed on the user page
destination	String	Scan destination

(3) Error response

a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

b. HTTP body

{ "code": "..." }
-------------------------

Item name	Type	Description
code	String	Following error string

Error string	Status code	Description
printer_not_found	404	Device ID is invalid The device has been deleted from Epson Connect

Please refer to Table 4.2 for Common Error.

#### 4.3.13. Register scan destination

Register a scan destination. Method for receiving scan data is required, in case of an URL is specified as the scan destination.

##### (1) Request

###### a. Command URI

https://xxx.xxx.xxx/api/1/scanning/scanners/{device\_id}/destinations

Item name	Required	Value
device_id	<input type="radio"/>	Device ID

###### b. HTTP method POST

###### c. HTTP header

Header name	Required	Value
Authorization	<input type="radio"/>	Bearer format access token
Content-Type	<input type="radio"/>	application/json; charset=UTF-8

###### d. Query string None

###### e. HTTP body

{ "alias_name": "mail_sample", "type": "mail", "destination": "epsonconnectapi@exc.epson.co.jp" }
---

Item name	Required	Type	Description
alias_name	<input type="radio"/>	String	Alias name Specify with 1 to 32 characters
type	<input type="radio"/>	String	Type of scan destination Specify "url" or "mail" url ... URL mail ... E-mail address * Scan destination of URL will not be displayed on the user page
destination	<input type="radio"/>	String	Scan destination Specify 4 to 544 characters

##### (2) Normal Response

###### a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

###### b. Status code

Status code	Description
201	Success

###### c. HTTP body

{ } }
-------------

Item name	Type	Description
None	-	-

(3) Error response

a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

b. HTTP body

{ "code": "..." }
-------------------------

Item name	Type	Description
code	String	Following error string

Error string	Status code	Description
duplicate_alias_error	400	Duplicated alias name
maximum_number_error	400	The maximum number of registrations has been exceeded
invalid_resource	400	Value of “type” is invalid
printer_not_found	404	Device ID is invalid The device has been deleted from Epson Connect

Please refer to Table 4.2 for Common Error.

(4) Scan data format

Scan data will be sent to the scan destination of the specified URL in the following format.

a. HTTP method

POST

b. HTTP header

Header name	Required	Value
Content-Type	○	multipart format, delimiters multipart/form-data; boundary= -----MultipartPost

c. Query string

None

d. HTTP body

Send file data is specified. In the multipart format, the file-specific HTTP headers "Content-Disposition", "Content-Type" and the file data are specified with delimiters. A blank line is used to identify the HTTP header and file data. A line feed code is CR (0x0D) + LF (0x0A).

-----MultipartPost Content-Disposition: form-data; name=Key(serial number); filename=File Name Content-Type: image/jpeg(application/pdf)  File Data(Hexadecimal String) -----MultipartPost Content-Disposition: form-data; name=Key(serial number); filename=File Name Content-Type: image/jpeg(application/pdf)  File Data(Hexadecimal String) -----MultipartPost--
--



#### 4.3.14. Update scan destination

Update the scan destination. Method for receiving scan data is required, in case of an URL is specified as the scan destination.

##### (1) Request

###### a. Command URI

https://xxx.xxx.xxx/api/1/scanning/scanners/{device\_id}/destinations

Item name	Required	Value
device_id	○	Device ID

###### b. HTTP Method

PUT

###### c. HTTP header

Header name	Required	Value
Authorization	○	Bearer format access token
Content-Type	○	application/json; charset=UTF-8

###### d. Query string

None

###### e. HTTP body

{
"id": "7cbbdaf74ad7442e95365407e4495711",
"alias_name": "mail_sample",
"type": "mail",
"destination": "epsonconnect@exc.epson.co.jp"
}

Item name	Required	Type	Description
Id	○	String	Scan destination ID (Cannot be updated)
alias_name	○	String	Alias name Specify with 1 to 32 characters
type	○	String	Type of scan destination Specify "url" or "mail" url ... URL mail ... E-mail address * Scan destination of URL will not be displayed on the user page
destination	○	String	Scan destination Specify with 4 to 544 characters

##### (2) Normal Response

###### a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

###### b. Status code

Status code	Description
200	Success

###### c. HTTP body

{
}

Item name	Type	Description
None	-	-

(3) Error response

a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

b. HTTP body

{ "code": "..." }
-------------------------

Item name	Type	Description
code	String	Following error string

Error string	Status code	Description
duplicate_alias_error	400	Duplicated alias name
nvalid_resource	400	Value of “type” is invalid
printer_not_found	404	Device ID is invalid The device has been deleted from Epson Connect
destination_not_found	404	Scan destination ID is invalid

Please refer to Table 4.2 for Common Error.

#### 4.3.15. Delete scan destination

Delete the scan destination.

##### (1) Request

###### a. Command URI

https://xxx.xxx.xxx/api/1/scanning/scanners/{device\_id}/destinations

Item name	Required	Value
device_id	<input type="radio"/>	Device ID

###### b. HTTP Method

DELETE

###### c. HTTP header

Header name	Required	Value
Authorization	<input type="radio"/>	Bearer format access token
Content-Type	<input type="radio"/>	application/json; charset=UTF-8

###### d. Query string

None

###### e. HTTP body

{ "id": "7cbbdaf74ad7442e95365407e4495711" }
--

Item name	Required	Type	Description
Id	<input type="radio"/>	String	Scan destination ID

##### (2) Normal Response

###### a. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

###### b. Status code

Status code	Description
200	Success

###### c. HTTP body

{ }
--------

Item name	Type	Description
None	-	-

(3) Error response

d. HTTP header

Header name	Value
Content-Type	application/json; charset=UTF-8

e. HTTP body

{ "code": "..." }
-------------------------

Item name	Type	Description
code	String	Following error string

Error string	Status code	Description
printer_not_found	404	Device ID is invalid The device has been deleted from Epson Connect
destination_not_found	404	Scan destination ID is invalid

Please refer to Table 4.2 for Common Error.

## 5. Limitation of Usage

The following describes the limitations when using the API.

### 5.1. Limitation on using license

The number of API requests per minute is limited to 100 times. The number of requests is counted by Client ID. 100 API requests per minute equates to printing 20 times.

\*However, licenses issued before 2021/2/5 are limited to 10,000 API requests per hour.

\* The following APIs are not counted for the number of API requests.

- Authentication API
- Reissue access token API
- Upload print file API

### 5.2. Limitation on print job

#### 5.2.1. Limitation on Execute print

When calling the Execute print API, if a print jobs to be processed in the queue is more than 100, print execution cannot be processed with error. Print execution can continue when the number of print jobs is less than 100.

#### 5.2.2. Limitation on print job with status of waiting to print

If a print job with status of waiting to print is not processed to print within 72 hours, printing will be canceled.

#### 5.2.3. Limitation on getting print job information

Print job information with following conditions can be obtained.

- Within 62 days after creation
- Latest 200 jobs

However, it may not be possible to obtain all of the latest 200 jobs, because print job information other than printing by API is also included in the number of print job information.

## Appendix A. User page

You can set some settings and confirm print result in the user page.

(<https://www.epsonconnect.com/user/>)

### (1) Print Settings

You must check “Enable Remote Print” checkbox to use the API. The settings for use permission are the same as remote print.

### (2) Print Log

The print job result from the API is saved in the print log. Also, “EC printing SDK” is displayed in the service column.

### (3) Email Notifications Settings

Notify the device owner by email for print completion and error per print job from the API. Notification items can be selected.

### (4) Scan Log

The scan result is saved in the scan log.

### (5) Destination List

You can check the registered scan destination. Also, you can reorder, add, delete, and edit scan destinations.

## Appendix B. Paper Size

The paper sizes available in Epson Connect are as follows. Among these, the paper sizes returned by the Get print capabilities API are the paper sizes usable by the device.

media_size	Name	Size
ms_a3	A3	297 × 420 mm
ms_a4	A4	210 × 297 mm
ms_a5	A5	148 × 210 mm
ms_a6	A6	105 × 148 mm
ms_b5	B5	182 × 257 mm
ms_tabloid	US B/Tabloid	279 × 431 mm (11 × 17 inch)
ms_letter	Letter	216 × 279 mm (8.5 × 11 inch)
ms_legal	Legal	216 × 356 mm (8.5 × 14 inch)
ms_halfletter	Half Letter	140 × 216 mm (5.5 × 8.5 inch)
ms_kg	4x6	102 × 153 mm
ms_l	3.5x5	89 × 127 mm
ms_2l	5x7	127 × 178 mm
ms_10x12	10x12	254 × 305 mm
ms_8x10	8x10	203 × 254 mm
ms_hivision	16:9 Wide	102 × 181 mm
ms_5x8	5x8	130 × 200 mm
ms_postcard	Postcard	100 × 148 mm

## Appendix C. Paper Type

The paper types available in Epson Connect are as follows. Among these, the paper types returned by the Get Device print capabilities API are the paper types usable by the device.

media_type	Name
mt_plainpaper	Plain Paper
mt_photopaper	EPSON Photo Paper
mt_hagaki	Postcard
mt_hagakiphoto	Glossy Photo postcard
mt_hagakiinkjet	Inkjet Postcard



## Appendix D. Paper Source

The paper sources available in Epson Connect are as follows. Among these, the paper sources returned by the Get Device print capabilities API are the paper sources usable by the device.

Source	Description
auto	Automatic. Automatically select a tray containing the paper size specified in the print settings to print.
rear	Rear paper feeder
front1	Front paper source 1
front2	Front paper source 2
front3	Front paper source 3
front4	Front paper source 4

The paper source on the front is typically 1, 2 from the top.

## Appendix E. Print Job Status

The status of the print job (status) and the detailed information (status\_reason) are as follows.

Status	Status_reason	Description
pending_held	job_incoming	New print job created
	job_closed	Print started and print data is being created
pending	null or blank	Waiting to print
	job_queued	Waiting to print
processing	null or blank	Printing
processing_stopped	media_jam	Printing paused due to paper jam
	media_empty	Printing paused due to out of paper
	marker_supply_empty	Printing paused due to out of ink
	attention_required	Print pause due to reasons other than the above
canceled	job_canceled_by_user	Print was canceled in user page Print was canceled by the Cancel print API (operated by: user)
	job_canceled_by_operator	Print was canceled by the Cancel print API (operated by: operator)
	job_canceled_by_system	Not used
	job_canceled_by_out_of_storage_period	Canceled due to storage period expiration
	job_canceled_at_device	Canceled due to device cancel button is pressed
	attention_required	Print cancel due to reasons other than the above
completed	null or blank	Printing completed
	document_access_error	Printing is terminated due to system error
	attention_required	Error termination due to reasons other than the above Ex) The extension of the query string and the extension of the uploaded file do not match in the 4.3.5 Upload print file