

# SONY



# Cloud SDK Console Access Library TypeScript Tutorial

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# 1. Objective

To explain the various APIs exposed by Console Access Library and help the user to build and use the library.

## 2. Prerequisites

The following is the required software you need to install in your system.

- VS Code
- Node  $\geq$ v14.16.0
- Install TypeScript globally
  - `npm install -g typescript`

### Console Access Library API Specification

[Console Access Library API Specification](#)

## 3. Usage

### Installation and Setup

The following is a step for installing and setting up Console Access Library sample application.

1. Clone the repository

- <https://github.com/SonySemiconductorSolutions/aitrios-sdk-console-access-lib-ts.git>

2. Open terminal and go to the **lib** path and run the following command

```
npm install
tsc -b
npm pack
```

3. Open terminal and go to the **src** path and run the following command

```
npm install
tsc -b
npm pack
```

4. Open terminal and go to the **samples/demo-console** path and run the following command

```
npm install
```

### Set configuration parameter to start Console Access Library sample application

- Create the following configuration file and set the parameters:

```
aitrios-sdk-console-access-lib-ts/samples/demo-console/console_access_settings.yaml
```

```
console_access_settings:
  console_endpoint: "__console_endpoint__"
  portal_authorization_endpoint: "__portal_authorization_endpoint__"
  client_secret: "__client_secret__"
  client_id: "__client_id__"
```

- Open the following file and change the parameters:

`aitrios-sdk-console-access-lib-ts/samples/demo-console/demo_config.yaml`

```
demo_configuration:
  device_id: "__device_id__"
  number_of_images: __number_of_images__
  skip: __skip__
  sub_directory_name: "__sub_directory_name__"
  number_of_inference_results: __number_of_inference_results__
  filter: "__filter__"
  raw: __raw__
  time: "__time__"
  converted: "__converted__"
  vendor_name: "__vendor_name__"
  get_images_order_by: "__get_images_order_by__"
  get_last_inference_and_image_data_order_by:
    "__get_last_inference_and_image_data_order_by__"
  key: "__key__"
  app_name: "__app_name__"
  version_number: "__version_number__"
  model: "__model__"
  model_id: "__model_id__"
  file_content: "__file_content__"
  compiled_flg: "__compiled_flg__"
  file_name: "__file_name__"
  comment: "__comment__"
  input_format_param: "__input_format_param__"
  network_config: "__network_config__"
  network_type: "__network_type__"
  labels: "__labels__"
  config_id: "__config_id__"
  sensor_loader_version_number: "__sensor_loader_version_number__"
  sensor_version_number: "__sensor_version_number__"
  model_version_number: "__model_version_number__"
  ap_fw_version_number: "__ap_fw_version_number__"
  device_ids: "__device_ids__"
  deploy_parameter: "__deploy_parameter__"
  replace_model_id: "__replace_model_id__"
  deploy_id: "__deploy_id__"
  timeout: __timeout__
  from_datetime: "__from_datetime__"
  to_datetime: "__to_datetime__"
  file_format: "__file_format__"
  entry_point: "__entry_point__"
  get_model_id: "__model_id__"
  device_id_for_get_model: "__device_id__"
```

## Network proxy setting

To use the Console Access Library in a proxy environment, set the **https\_proxy** environment variable.

```
export https_proxy=http://username:password@proxyhost:port
```

## Starting the App

To run the CLI demo, open cmd terminal from the root folder, and run the following command.

```
npx ts-node index.ts
```