

Availability of Computer Facilities  
at  
Hong Kong Public Libraries

Data Specification

Version: 1.0

# Table of Contents

|    |                         |   |
|----|-------------------------|---|
| 1. | Introduction.....       | 1 |
| 2. | API Specifications..... | 1 |
| 3. | Data Dictionary .....   | 3 |

## 1. Introduction

This document describes the API and data dictionary for the Computer facilities available for use at each public library.

## 2. API Specifications

### HTTP Request

|              |                                                                                                                                                                                                     |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resource URL | <a href="https://sls.hkpl.gov.hk/api/cfm-admin-service/open-api/library/selectLibraryPageInfoForPSI">https://sls.hkpl.gov.hk/api/cfm-admin-service/open-api/library/selectLibraryPageInfoForPSI</a> |
| HTTP Method  | GET                                                                                                                                                                                                 |

### Parameters

All parameters are case-sensitive.

| Parameter   | Type    | Description                                                                                                                                                                                                                                                               | Required? |
|-------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| reqPage     | Integer | Page number requested.<br><br>If the parameter is not provided, the first page will be returned                                                                                                                                                                           | No        |
| sizePerPage | Integer | Number of libraries per page.<br><br>If the parameter is not provided, the first 30 records will be returned.<br>Specify “9999” to return all libraries in the first page.                                                                                                | No        |
| language    | String  | The language returned. Case-sensitive.<br>Valid values are: <ul style="list-style-type: none"><li>● en-US – English</li><li>● zh-HK – Traditional Chinese</li><li>● zh-CN – Simplified Chinese</li></ul><br>If the parameter is not provided, the default value is zh-HK. | No        |
| libraryCode | String  | Library code. Case-sensitive.<br><br>If the parameter is not provided, the number of available workstations at all libraries are returned.<br><br>Example: “HKCL” will return the number of available workstations at the Hong Kong Central Library.                      | No        |

### HTTP Response

|                   |       |
|-------------------|-------|
| Response Format   | JSON  |
| Response Encoding | UTF-8 |

| Response Code | Response                            |
|---------------|-------------------------------------|
| 200           | Success, see sample response below. |
| 500           | Internal Server Error               |

## Sample Request and Response

<https://sls.hkpl.gov.hk/api/cfm-admin-service/open-api/library/selectLibraryPageInfoForPSI?language=en-US&reqPage=1&sizePerPage=9999&libraryCode=LCKPL>

```
[
  {
    "libraryCode": "LCKPL",
    "libraryDisplayName": "Lai Chi Kok Public Library",
    "district": "Sham Shui Po District",
    "address": "G/F - 1/F., 19 Lai Wan Road, Lai Chi Kok, Kowloon",
    "telephone": "2746 4270",
    "email": "lckpl@lcsd.gov.hk",
    "isOpen": true,
    "lastUpdateDate": "2025-03-05 12:17:18",
    "sessionList": [
      {
        "sessionStart": "2025-03-05 12:00:00",
        "sessionEnd": "2025-03-05 13:00:00",
        "workstationGroup": [
          {
            "groupId": "199",
            "groupName": "G/F Children's Library",
            "availableWktNumber": 4
          },
          {
            "groupId": "202",
            "groupName": "1/F Multimedia Library",
            "availableWktNumber": 20
          },
          {
            "groupId": "203",
            "groupName": "1/F Multimedia Library Audio-visual Station",
            "availableWktNumber": 2
          }
        ]
      },
      {
        "sessionStart": "2025-03-05 13:00:00",
        "sessionEnd": "2025-03-05 14:00:00",
        "workstationGroup": [
          {
            "groupId": "199",
            "groupName": "G/F Children's Library",
            "availableWktNumber": 4
          },
          {
            "groupId": "202",
            "groupName": "1/F Multimedia Library",
            "availableWktNumber": 20
          },
          {
            "groupId": "203",
            "groupName": "1/F Multimedia Library Audio-visual Station",
            "availableWktNumber": 2
          }
        ]
      }
    ]
  }
]
```

### 3. Data Dictionary

| Data Field         | Data Type    | Description                                             | Definition (if applicable)                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------|--------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| libraryCode        | String       | The code of the library                                 |                                                                                                                                                                                                                                                                                                                                                                                                         |
| libraryDisplayName | String       | The name of the library                                 |                                                                                                                                                                                                                                                                                                                                                                                                         |
| district           | String       | The district of the library                             |                                                                                                                                                                                                                                                                                                                                                                                                         |
| address            | String       | The address of the library                              |                                                                                                                                                                                                                                                                                                                                                                                                         |
| telephone          | String       | The contact phone number of the library                 | The format will be “dddd dddd” where d is a numeric digit.                                                                                                                                                                                                                                                                                                                                              |
| email              | String       | The email of the library                                |                                                                                                                                                                                                                                                                                                                                                                                                         |
| isOpen             | Boolean      | The current opening status of the library               | The value can be: <ul style="list-style-type: none"> <li>● true – the library is open</li> <li>● false – the library is closed</li> </ul>                                                                                                                                                                                                                                                               |
| lastUpdateDate     | String       | The last updated time                                   | Date time in “YYYY-MM-DD hh24:mm:ss” format.                                                                                                                                                                                                                                                                                                                                                            |
| sessionList        | Object Array | An array of objects of the sessions                     | The object consists of the following field: <ul style="list-style-type: none"> <li>● sessionStart</li> <li>● sessionEnd</li> <li>● workstationGroup</li> </ul> <p>The first entry of the array is the current session.</p> <p>The second entry of the array will be the next session, if exists.</p> <p>If there is no more available session in the library, then an empty array will be returned.</p> |
| sessionStart       | String       | The session start date and time                         | Date time in “YYYY-MM-DD hh24:mm:ss” format.                                                                                                                                                                                                                                                                                                                                                            |
| sessionEnd         | String       | The session end date and time                           | Date time in “YYYY-MM-DD hh24:mm:ss” format.                                                                                                                                                                                                                                                                                                                                                            |
| workstationGroup   | Object Array | An array of objects of the workstation groups           | The object consists of the following fields: <ul style="list-style-type: none"> <li>● groupId</li> <li>● groupName</li> <li>● availableWktNumber</li> </ul>                                                                                                                                                                                                                                             |
| groupId            | String       | The workstation group ID                                |                                                                                                                                                                                                                                                                                                                                                                                                         |
| groupName          | String       | The workstation group display name                      |                                                                                                                                                                                                                                                                                                                                                                                                         |
| availableWktNumber | Numeric      | The total number of available workstations in the group |                                                                                                                                                                                                                                                                                                                                                                                                         |

<< End >>