



# LMEpassport daily OWSR API - User Guide

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## 1. Introduction

The purpose of this document is to guide entities through the process of accessing the Off Warrant Stock Reporting (OWSR) data through API for automating the interaction between users' own systems and LMEpassport.

If you wish to learn more about LMEpassport, please visit the Help & Downloads page in LMEpassport. Within this page, you could access training documentation and videos, user guides, and other helpful material.

## 2. Permissions

The access to the API is only granted after the subscription to the [daily OWSR service](#). Please contact [SPMsystems@lme.com](mailto:SPMsystems@lme.com) to request access to the OWSR data via API. Once your company's access has been approved by the LME, you will be provided with your Client ID and Client Secret to access the API. Daily data is available from 31<sup>st</sup> March 2025, prior data is available on a monthly basis and freely available on the [LME website](#).

### 3. Steps for accessing the OWSR export API:

This section details out the steps for accessing the export API and downloading the OWSR data in JSON or excel format. The curl commands provided are for the production environment. The OWSR data will become available at 09:00am London time on the business date after the reporting date. If the next business day is an LME holiday, then the report will not be available until the following business day.

#### 3.1. Generating the access token:

An access token is required for authorisation when accessing the OWSR data. Steps for generating the access token are detailed below and the access token will be valid for one hour.

Insert your company's Client ID and Secret in the fields highlighted in the below curl command for generating the access token.

##### Access token curl command:

```
curl --location
'https://sam.ihsmarket.com:443/sso/oauth2/realms/root/realms/Customers/access_token' \
--header 'Content-Type: application/x-www-form-urlencoded' \
--header 'Cookie:
AWSALB=6PnxLzWNnymzCfdVlwLrgtjvHIbIBXHhgkf0KG41iClVvLzgKejRAXFlZwgJ2hk9/789lG9eL+/m07bM5F
YChUAt7rOPsKR9xbHfel9rIGM4pXskSJmFdgrmOUen;
AWSALBCORS=6PnxLzWNnymzCfdVlwLrgtjvHIbIBXHhgkf0KG41iClVvLzgKejRAXFlZwgJ2hk9/789lG9eL+/m07
bM5FYChUAt7rOPsKR9xbHfel9rIGM4pXskSJmFdgrmOUen' \
--data-urlencode 'grant_type=client_credentials' \
--data-urlencode 'scope=openid profile email' \
--data-urlencode 'client_id=INSERT CLIENT ID' \
--data-urlencode 'client_secret=INSERT CLIENT SECRET'
```

##### Access token response:

**(Note: Copy the access token to authorize the API. The following access token is a sample response for curl command provided above)**

```
{
  "access_token":
  "eyJ0eXAiOiJKV1QiLCJraWQiOiI2VmJta1RmZzdXc29BWMx4WTBsRVV2bkQ1bFE9IiwiaWF0IjoiU1MyNTYifQ.e
yJzdWIiOiJjbXRrLWxtZS1lc2VYLWRLdi1UTjNhZmJWcEcwIiwiaWF0IjoiT0FVVEgyX1NUQVRFTTEVTVU19HUkFOVC
IsImF1ZGl0VHJhY2tpbmdJZCI6IjNkMmM4NTU3LWEzMGYtNDk2NS04ZTRhLWYyMjI0ODJkYzYzMS0xMjMzAwNSI
sImlzc2VzIjoiImh0dHBzOi8vc2FtLnNhbnV4dGVybmFmLm5ldDo0NDMvYzNvL29hdXR0MiIsInRva2VuTmFtZSI6ImFj
Y2Vzc190b2t1biIsInRva2VuX3R5cGUiOiJJCZWFyZXIiLCJhdXR0R3JhbnRjZCI6Im1HWUwub1VhYm44WUJpZGZlT
2VqQk9CR1hTTSIsImF1ZCI6ImNtdGstbGllLVXVzZXIiLCJzY29wZSI6WyJvcGVuaWQiLCJwcm9maWx1IiwiaWF0Ijoi
dyY5W50X3R5cGUiOiJjbGllbnRfY3JlZGVudG1hbHMiLCJzY29wZSI6WyJvcGVuaWQiLCJwcm9maWx1IiwiaWF0Ijoi
iXSwiYXV0aF90aW1lIjoxNzI2MTU2MjM2LCJyZWZsbSI6Ii9DdXN0b211cnMiLCJleHAiOiJlE3MjYxNTk4MzYsIm1h
dCI6MTcyNjE1NjIzNiwiZXhwaXJlc19pb1I6MzYwMzYwMzYwMzYwMzYwMzYwMzYwMzYwMzYwMzYwMzYwMzYwMzYwMzYw
n0.XVe_VsQrzEJIunglCxfq8Q7-A13BTUiaYVvZDQAutvUcIh7amurMok5X8uKNZw1-
iF4wLCMlf7y7T4CM6St0pNgy825Ru5F8Armd5MvH0UW6-
mxGDUNR4fhJZtEL3jjak63JRSJk4br5ih4N3ffCRiTEuoZrFzH9Q4gykcwnWYbL_2UgO3eWlSuOpYn2SDM_TK3DFL
```

```
P4dvgEFqCEUlfqW qwErJH1WEkBXExkMocwEMds5Lw_Ufdxs5HQKdZybtP0X9z31ZTBbJtagA9_Tad9we82uptH7F  
-nRSYJ1HOSLv5DAJ-II-7WojALUq tQEKWjOCW4AdhYAvNza7Ek4Zw",  
}
```

### 3.2. Requesting the OWSR data in JSON format:

The access token from step 3.1 should be used as authorization and the date in the curl command updated to request the relevant reporting date.

- Copy the access generated from token from the step taken above. Paste the access token in the “Authorization” section as a bearer token.
- Import the following curl command as a raw text curl:
- Update the reporting date to a requested date

#### **curl command for OWSR export API:**

```
curl --location 'https://www.lmepassport.com/api/common-service/reconciled/inventory/dashboard?inventoryDate=25-apr-2025'
```

### 3.3 Requesting the OWSR data in excel format:

Alternatively, the curl command can be used to extract the data in an excel format. To achieve this, the access token from step 3.1 should be used as authorization and the date in the curl command updated to request the relevant reporting date:

- Copy the access generated from token from the step taken above. Paste the access token in the “Authorization” section as a bearer token.
- Import the following curl command as a raw text curl:
- Update the reporting date to a requested date

```
curl --location 'https://www.lmepassport.com/api/common-service/reconciled/inventory/export?inventoryDate=22-nov-2024'
```

### 3.4 Export API response:

You should receive an immediate API response with the OWSR data for the specified reporting date. A detailed error message will be displayed for any failed payloads. Below is a list of example responses for failed requests. Please contact LMEpassport support if you receive an API response that is not clear.

- Sample of a failed request for a reporting date on the weekend or LME holiday:  
"message": "LME holiday or weekend. No report for this date"
- Sample of a failed request for a reporting date which is not yet available:  
"message": "Operation not allowed before DD-MMM-YYYY 09:00 BST"
- Sample of a failed request for a historical reporting date which is not available:  
"message": "No Reconciled Status found for the date: DD-MMM-YYYY"