HVCC

API-Hub REST Documentation

How to use the API-Hub REST service

Version 1.3

(Valid from 15th of September 2022)

HVCC

Bei St. Annen 1
20457 Hamburg
www.hvcc-hamburg.de

Phone: + 49 40 74001-4395
Fax: + 49 40 74001-4399
hvcc@hhla.de

Change History

Version	Concerned section	Reason	Name	Datum
1.0	All	Initial version	Oliver Sommer	27.07.2022
1.1	3.1.2 Response 3.1.2 Response Example	Added max length and mandatory flags Example for unique key for results	Oliver Sommer	25.08.2022
1.2	2. Authentication and Authorization 3.1 GET /hvcc/apihub/deham-terminalcalls/v1	URL's amended	Anton Kunze Oliver Sommer	01.09.2022
1.3	3.1 GET /hvcc/apihub/deham-terminalcalls/v1	Added limitation per minute for GET requests	Oliver Sommer	15.09.2022

Change requests

HVCC Hamburg Vessel
Coordination Center GmbH

Bei St. Annen 1
20457 Hamburg

1. Phone: + 49 40 74001-4395
2. Fax: + 49 40 74001-4399
3. Email: hvcc@hhla.de

Used tools

Number	Used tools
W1	This document was created with the word processing programme **MS Word 2010**.

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1. Please note that no liability claims can be derived towards HVCC for the content of this manual, despite careful developing and examination of this document!

Table of contents

1. Introduction 3

2. Authentication and Authorization 3

3. Description of the REST Service 3

3.1 GET /hvcc/apihub/deham-terminalcalls/v1 3
3.1.1 Request 3
3.1.2 Response 4
3.1.2 Response Example 5

4. Environments 6

5. Conditions and Request Plan 6

1. Introduction

This API-Hub REST service offers the possibility of getting sailing list data in a simple and standardized way with an easy to use interface. The following documentation describes the aspects of how to use it.

2. Authentication and Authorization

A simple HTTP Basic Authentication (https://en.wikipedia.org/wiki/Basic_access_authentication) is used for accessing the API-Hub. This means, the user (partner) must get a unique user with password combination from the HVCC customer support.
Sending those credentials (Base64 encoded) via authorization header, contained in the REST service call, will grant access.

Example (via curl https://curl.se/):

user:pass (UTF-8) > Base64 encoded: dXNlcjpwYXNz

```
curl -H "Authorization: Basic dXNlcjpwYXNz" https://api-
test.dakosy.de/hvcc/apihub/deham-terminalcalls/v1
or
curl -v --user user:pass https://api-
test.dakosy.de/hvcc/apihub/deham-terminalcalls/v1
```

(here the CURL command will encode it automatically)

Authorization in this scope defines, which data details will be contained in the response requested by the partner. The corresponding configuration in the API-Hub-Administration is done by HVCC-Admins.

3. Description of the REST Service

The following REST services are currently available:

3.1 GET /hvcc/apihub/deham-terminalcalls/v1

Service for delivering the sailing list (terminals called). The number of possible requests per minute is limited to 2 (every 30 seconds) in the productive environment, and 10 (every 6 seconds) in the test environment.

3.1.1 Request

For the GET request, the authorization header as described above, must be send only.

3.1.2 Response

Content Type: application/json
Returns a JSON list of terminals called.

JSON-values for one terminal called:

Name:	Description:	Format:	Character Length:	Mandatory
referencePortTerminalCallId	Unique identifier of the terminal call in the HVCC system.	String UUID and UUID plus an integer value at the end, separated by "-"	36 to 47	Y
vesselImoNumber	IMO number of the ship	String [0..9]	7	N
vesselEniNumber	ENI number of the ship	String [0..9]	8	N
vesselName	Name of the ship	String	Max. 99	N
vesselCallSign	Call sign of the ship	String	Max. 10	N
vesselType	Type of the ship	String constants: BARGE, FEEDER, LIGHTER, MAINLINER, PUSHING_BOAT	Max. 12	N
carrierVoyageDischargeNumber	Voyage number discharging	String	Max. 99	N
carrierVoyageLoadNumber	Voyage number loading	String	Max. 99	N
portCode	UNLOCODE of the port of call	String constant: DEHAM	5	Y
portName	Name of the port of call	String constant: HAMBURG	7	Y
facilityCodeListProvider	Code list provider of terminal codes	String constant: HVCC	4	N
facilityCode	Code of the terminal called according to the previous code list	String, e.g.: EGH, CTA, CTB, CTT	5	N
facilityName	Name of the terminal called	String	50	N
terminalEta	Estimated time of arrival in UTC	String date format: YYYY-MM-DDThh:mm:ssZ	20	N
terminalEtd	Estimated time of departure in UTC	String date format: YYYY-MM-DDThh:mm:ssZ	20	N
Optional per configuration:				

terminalAta	Actual time of arrival in UTC	String date format: YYYY-MM-DDThh:mm:ssZ	20	N
terminalAtd	Actual time of departure in UTC	String date format: YYYY-MM-DDThh:mm:ssZ	20	N
previousPortCode	UNLOCODE of the previous port	String	5	N
previousPortName	Name of the previous port	String	35	N
nextPortCode	UNLOCODE of the next port	String	5	N
nextPortName	Name of the next port	String	35	N

Http Response Status Codes:

Status Code	Description
200 OK	Data delivered successfully
401 Unauthorized	Credentials missing or incorrect
403 Forbidden	The maximum transfer limit is reached or the request limit per minute is exceeded
500 Server Error	The API-Hub service is not available

3.1.2 Response Example

Example showing the responded body in JSON format:


```
[{
  "referencePortTerminalCallId": "09a99e2d-77d6-4bbd-a337-2e3f122aebbb",
  "vesselImoNumber": "9839143",
  "vesselName": "CMA CGM LOUVRE",
  "vesselCallSign": "FMMY",
  "vesselType": "MAINLINER",
  "carrierVoyageDischargeNumber": "0FLBZW1MA",
  "carrierVoyageLoadNumber": "0FLC0E1MA",
  "portCode": "DEHAM",
  "portName": "HAMBURG",
  "facilityCodeListProvider": "HVCC",
  "facilityCode": "EGH",
  "facilityName": "Eurogate Terminal Hamburg",
  "terminalEta": "2022-06-08T07:00:00Z",
  "terminalEtd": "2022-06-09T13:30:00Z",
  "terminalAta": "2022-06-08T07:10:00Z",
  "terminalAtd": "2022-06-09T13:20:00Z",
  "previousPortCode": "DEWVN",
  "previousPortName": "WILHELMSHAVEN",
```

"nextPortCode": "NLRTM",
"nextPortName": "ROTTERDAM"
}]

Containing one terminal called. Can be a list containing multiple terminals called.

Example for the referencePortTerminalCallId:

Base folder (UUID type 4 - incremental integer):
cc329c75-cdf3-4f39-8546-dc01ddb1a4b1-668

NTK/FLZ folder (UUID type 4):
09a99e2d-77d6-4bbd-a337-2e3f122aebbb

4. Environments

HVCC provides two environments: A productive and test environment. Dedicated credentials are needed for each environment.

Production domain:
https://api.dakosy.de/

Test domain:
https://api-test.dakosy.de/

5. Conditions and Request Plan

As part of the request plan, the number of allowed REST calls might be limited per day. This is part of the contract.
In the case of reaching the limit, an http status code “Forbidden” (Status Code 403) will be send as response to the client.