DHL FREIGHT GLOBAL API FARM

BOOKING API & PRINT API

Global API Farm Product Team

DHL Freight – Excellence. Simply delivered.

Introduction and Background of API Initiative

E D I	A P I
File transfer technology	**Real-time data exchange**
Legacy standard, developed in 1940s	Modern, internet-based connectivity
No definition of an universal transport protocol	Universal transport protocol with standardized type and format of calls
Communication is always one-way	Communication can be two-way
No guaranteed data transfer timeframe, can take 15 to 240 mins	Immediate data transfer, resulting in real-time connectivity
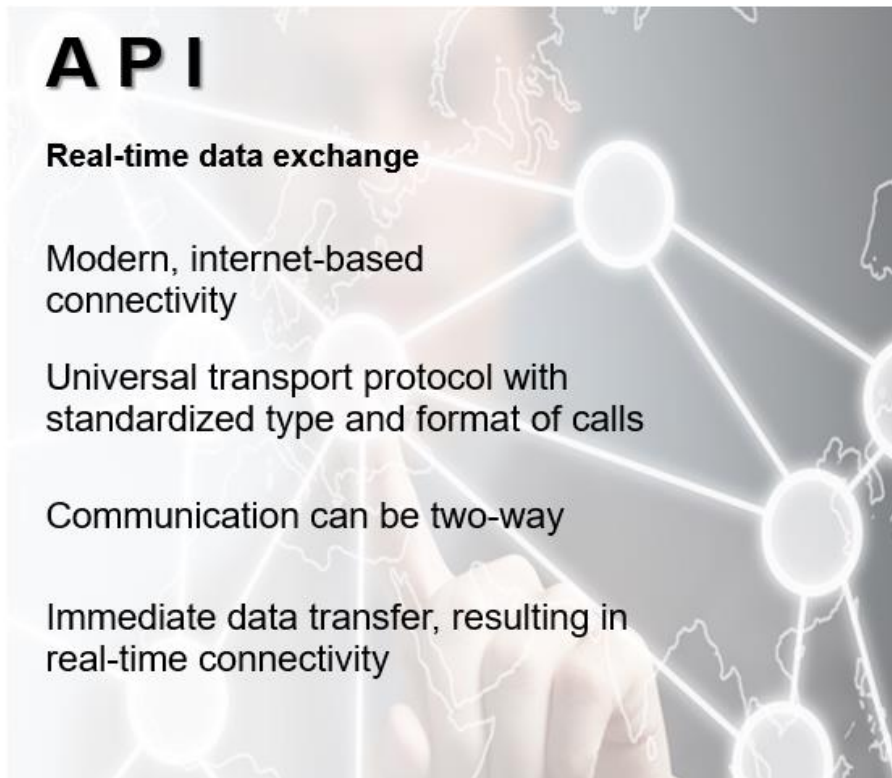
Offered Functionality of Global API Farm

Global API Farm (https://test-admin.freight-logistics.dhl.com/apis)

- **Booking API :** This API for sending in your transportation orders. Either you send in your GS1 licenses plates, or we will generate them for you. Booking data is being validated and the **Booking API** provides extensive information in its response. When successfully validated, your shipment ID is provided immediately.
- **Print API :** Use the Booking API's response to create your barcode labels (in Base64). The Print API can also be used stand-alone, without using the Booking API. It will then only create shipment labels for you.

Limitations

Booking API and Print API are available for FR, IT, AT, BE, PT, ES, CZ, PL, HU, SK, TR, RS, BG, HR, GR, RO, DE, NL on Aug'22.
More Countries will be in the scope soon.

Offered Functionality – Available APIs by Freight Global API Farm

DHL | Applications | API's | Organisations | Documents

API'S

Name	Access level	Documentation
TimeTable API	Public	Swagger
AdditionalService API	Public	Swagger
Product API	Public	Swagger
TransportInstruction API	Public	Swagger
Print API	Public	Swagger

The BOOKING API
Generates the order in DHL Freight Transportation Management Systems

The PRINT API
Generates the barcode labels according to Global requirements

Global API Farm – Customer Registration and Usage

Reach Out: https://test-admin.freight-logistics.dhl.com/

1. Registration (Sign up / Login)

LOGIN

Don't have an account?
Sign up

Forgot your password?
Reset password

email

password

Remember me?

LOGIN

2. Create Organization

CREATE NEW ORGANISATION

Organisation name *
name
Name of your organisation

Business regions/countrys *

DHL regions/countrys the organisation will target

VAT number *
vat number
Your organisations VAT number

Contact email *
email
Contact email in case of questions

Contact phone *
phone
Contact phone in case of questions

CREATE
Back to list of organisations

ORGANISATION

Create an new organisation in order to register all of your applications.
Each application will be registered to an organisation.

Multiple countries (business regions) is possible

3. Create Application

REGISTER NEW APPLICATION

Application name *
name
Name of your application

Region/Country *
Romania
Region/Country that you application targets

Address *
address
Link to address where to read more about your application

Description
Short description, optional

REGISTER
Back to list of applications

APPLICATION

Register new application, will be registered to current selected organisation.

After successful registration an application key will be created, this key will only be visible this time.

Create an Application per country

Receive API Key

4. Overview available API's

API'S

Name	Access level	Documentation
TimeTable API	Public	Swagger
AdditionalService API	Public	Swagger
Product API	Public	Swagger
TransportInstruction API	Public	Swagger
Print API	Public	Swagger
LocalityRegister	Public	Swagger

5a. Implement and Test

SWAGGER DOCUMENTATION

Back to list of API's

TRANSPORTINSTRUCTION

Schemes
HTTPS

Authorize

TRANSPORTINSTRUCTION

POST /transportinstruction/sendtransportinstruction

PARAMETERS
Try it out

Name
Description

transportInstructionModel
object
(body)

Example Value | Model

5b. Documentation and support

Austria - AT

Booking API Product manual

A successful integration requires knowledge of the possibilities and limitations of DHL Freight's products and APIs. We recommend that you first familiarize yourself with the Booking API Product manual , which describes this in detail

Most rules can also be retrieved via Product & AdditionalService API. We recommend that this method is used so that your integration will dynamically adapt to any changes in products, additional services and rules.
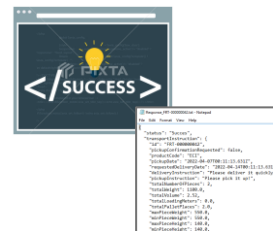
Flow: Booking API (Booking and Labels)

TransportInstruction API
(= Booking API)

Create a Booking with
Customer's Test Tool / ERP-SCM-TMS-WMS
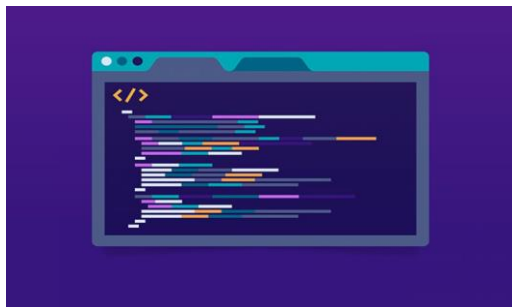
Booking Request Processing

Response: Success!

Print API