

INTEGRATING APPLICATIONS

Programming Interfaces: Provisioning & Management

With HAFAS.api, the functionalities and data of our HAFAS products can be integrated into external applications and made available to third parties.

HAFAS.api provides a programming interface that grants users standardized and well-structured access to the HAFAS backend. This allows HAFAS functions for stop search, station boards and of course, the search algorithm to be used. HAFAS.api also comes with the HAFAS API Manager, a tool for authorization management. It is used to define who has access to data and functionalities. Besides, the HAFAS API Manager handles the access limits (so-called quotas) for all users. The HAFAS API Manager is also the platform for the monitoring and graphical evaluation of requests. Scenarios for the use of HAFAS.api:

BRING YOUR OWN FRONTEND

If you choose to design the frontend of your travel planner yourself or with an agency's help, connecting the frontend and backend is a breeze.

INTEGRATION INTO OPERATIONAL PROCESSES

The data and functionalities of the HAFAS systems are often not only used to provide information to passengers but they are also utilized or processed internally. This usually involves additional software solutions, which for several other then gain access to the required HAFAS services via HAFAS.api.

PROVISIONING OF DATA TO PARTNERS

Sometimes (internal) customers, service providers or research institutions need access to your HAFAS data. Maybe there is a research project analyzing plan and real-time data of your connections. Or a company you are affiliated with wants to integrate your journey planner into their website or application. Perhaps a company needs to develop software modules for you which need to be compatible with HAFAS ecosystem. No matter what – HAFAS.api provides third parties access to all the data and functions they need.



CONSUMER REQUESTS

Company ↕	Name ↕	State ↕	Created on ▾	Last update ↕	
ABC	Test6	Waiting for email verification	2020-01-09 12:13:59	2020-01-09 12:13:59	[Icons]
ABC	Test5	Permission removed	2020-01-09 12:13:55	2020-01-09 12:17:15	[Icons]
ABC	Test4	Accepted	2020-01-09 12:13:51	2020-01-09 12:17:02	[Icons]
ABC	Test3	Declined	2020-01-09 12:13:47	2020-01-09 12:16:24	[Icons]
ABC	Test2	Email verification successful	2020-01-09 12:13:43	2020-01-09 12:14:36	[Icons]
ABC	Test1	Email verification successful	2020-01-09 12:13:35	2020-01-09 12:14:29	[Icons]



AUTHORIZATION AND USER MANAGEMENT

With the help of our HAFAS API Manager you can manage all users and sub-users of the HAFAS.api with just a few clicks. So you have always an overview of who is authorized to access the system. Furthermore, the communication with the users is coordinated via the HAFAS API Manager.

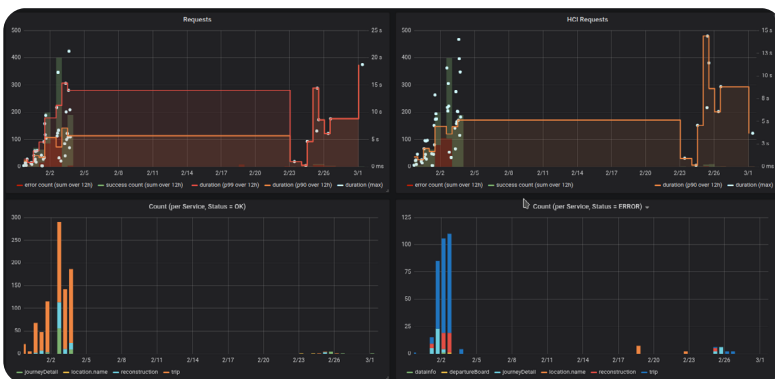
DEVELOPER-FRIENDLY DOCUMENTATION

The interactive Swagger UI makes it as easy as possible for developers to work with the HAFAS ReST API.



Cancel

Name	Description
requestid string <small>(query)</small>	Request ID for identifying the request. <input type="text" value="requestid - Request ID for identifying th"/>
format string <small>(query)</small>	Requested response format. If not set, the Accept-Header is used. If both are missing application/xml is used. <input type="text" value="--"/>
jsonpCallback string <small>(query)</small>	Requests the JSON response data is wrapped into a JavaScript function with that name. <input type="text" value="jsonpCallback - Requests the JSON resp"/>
lang string <small>(query)</small>	The language of the journey planner. <input type="text" value="deu"/>
input * <small>required</small> string <small>(query)</small>	Search for that token. <input type="text" value="input - Search for that token."/>
maxNo int <small>(query)</small>	Maximum number of returned stops. Range from 1 to 1000. <input type="text" value="10"/>
type string <small>(query)</small>	Type filter for location types. <input type="text" value="ALL"/>



ANALYSIS OF REQUESTS

HAFAS.api supports the HAFAS standard monitoring via Grafana. Every relevant metric is made available and visualized on Grafana boards