

BestExHub API

BETA RELEASE PRIMER



BACKGROUND

BestExHub allows subscribers to access and download market wide MiFID II best execution report data on demand, through one interface in standardised format (JSON) using the BestExHub REST API for:

- quarterly RTS 27 (venue execution quality) report
- annual RTS 28 (“top five venues”) report
- annual DA 65 (“top five brokers”) report

This deck provides a primer to help navigate the BestExHub API. Further information of the business content and data field descriptions can be found on the BestExHub resource page

- https://bestexhub.com/downloads/BestExHub_RTS_27_example_schema.pdf
- https://bestexhub.com/downloads/BestExHub_RTS_28_DA_65_Standard_Schema.pdf



STEP BY STEP GUIDE TO USING BestExHub API

- 1) Review online BestExHub API documentation (beta release)
- 2) Obtain BestExHub API key to start testing
- 3) Navigating the API
- 4) Result pagination
- 5) Try the examples with real data
- 6) Please provide your feedback to support@bestexhub.com



STEP 1: REVIEW ONLINE DOCUMENTATION

BestExHub API beta
documentation located at
<https://bestexhub.com/api>

- 1) Navigation frame to select specific documentation for each of the BestExHub API functions
- 2) Details of the selected function, path parameters, and optional query parameters
- 3) Details of the responses schemas
- 4) Example url for get statement (tip: click the GET function for example url and then copy and paste)
- 5) Example responses

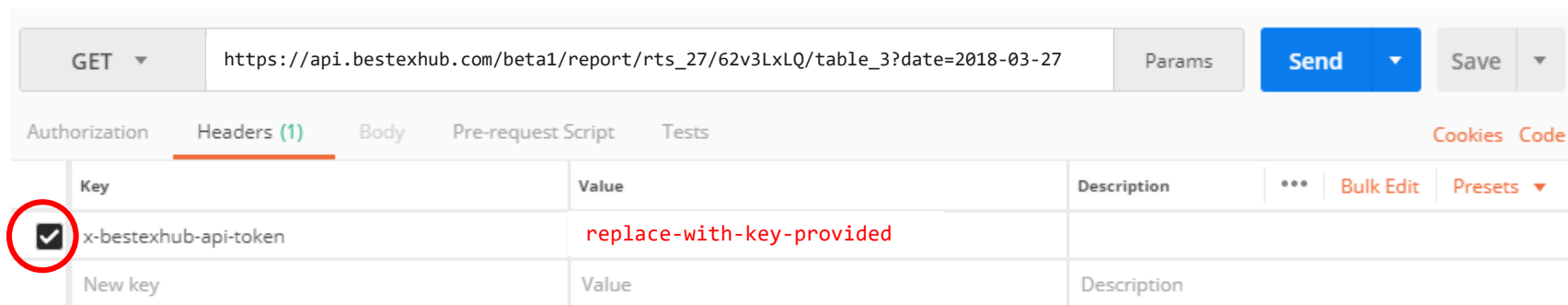
The screenshot displays the BestExHub API documentation interface. On the left, a navigation menu (1) lists various API endpoints under the 'RIS 27' category. The main content area (2) details the 'Get an RTS 27 Table 6' endpoint, including its path parameters (reportKey) and query parameters (segment_id, date, link). Below this, the 'Responses' section (3) shows a successful 200 response schema with fields like report_type, year, quarter, report_url, firm_name, firm_url, and market_segment. On the right, a dark-themed panel (4) shows the example URL: `/report/rts_27/reportKey/1/`. Below the URL, a 'GET' button is visible. The panel also shows a 'Copy' button and a 'Collapse all' button. At the bottom of this panel, an example JSON response (5) is displayed, showing the structure of the data returned by the API.



STEP 2: REQUEST BESTEXHUB API TOKEN

Request a BestExHub API token from support@bestexhub.com

- The BestExHub API token is a 32-character long string.
- Add the token to the header with the key **x-bestexhub-api-token**
- *If you're testing with the Postman app (<https://www.getpostman.com>), copy the token and paste it in as a **Header** in Postman, against the key of **x-bestexhub-api-token**, and don't forget to click the checkbox to select and use the key*



GET https://api.bestexhub.com/beta1/report/rtts_27/62v3LxLQ/table_3?date=2018-03-27 Params Send Save

Authorization Headers (1) Body Pre-request Script Tests Cookies Code

Key	Value	Description	...	Bulk Edit	Presets
<input checked="" type="checkbox"/> x-bestexhub-api-token	replace-with-key-provided				
New key	Value	Description			



STEP 2: REQUEST BESTEXHUB API TOKEN

If you're using cURL, then copy the token provided in relevant header section, as per example below.

```
curl -X GET \  
https://api.bestexhub.com/beta1/report/rts_27/62v3LxLQ/table_3 \  
-H 'x-bestexhub-api-token: replace-with-key-provided'
```



STEP 3: NAVIGATING THE API

The API uses a hierarchical approach to finding and retrieving reports.

- To search for a firm, use the *firms/* endpoint (with an optional *search* parameter to filter by name or LEI). Then follow the link to the firm detail (*firm/{firmKey}*), which will provide a list of reports available for that firm, and links for each.
- Alternatively, use the *reports/* endpoint to retrieve a list of all reports (possibly filtered using the *type*, *year* and/or *quarter* parameters). To find the report and link you require.
- Either of the above approaches will allow you to find the report data itself, with a URL of the format *report/{type}/{reportKey}* endpoint.
- Note that the size and complexity of RTS 27 reports are such that these are accessed as a series of table-specific endpoints. Links to these (along with the dates and market segments available), can be found in the “top-level” RTS 27 endpoint.

NOTE: ‘firm’ is a generic term to represent either a MIFID II investment firm or trading venue where BestExHub has execution quality report data relating to the firm.



STEP 4: RESULT PAGINATION

BestExHub stores many gigabytes of data, making it necessary to provide an easy-to-use pagination approach designed to control download time and size.

Our API follows the common Hypertext Application Language (HAL) approach, providing:

- 1) A 'page' query parameter to allow users to request a specific page of data.
- 2) Indication of 'count' and 'total' indicators to indicate the number of records returned in a response out of the total number available.
- 3) Hypertext links to the previous ('prev') and next ('next') pages of data, to allow ease of navigation.
- 4) NOTE: The current version of the API does not allow API users to request a custom page size; this is fixed in our server.



STEP 5: EXAMPLES TO TRY

Real example endpoints for firms, reports and RTS 28/DA 65 report

Description	Example url – with path parameters
<i>Get a list of all firms</i>	https://api.bestexhub.com/beta1/firms
<i>Get list of all RTS 28 2017 reports</i>	https://api.bestexhub.com/beta1/reports?type=rts_28&year=2017
<i>Get list of all DA 65 2017 reports</i>	https://api.bestexhub.com/beta1/reports?type=da_65&year=2017
Get summary of reports available for AXA Investment Managers GS Limited	https://api.bestexhub.com/beta1/firm/tuGOTIMU
Get summary of reports available for ITI Capital	https://api.bestexhub.com/beta1/firm/rD3FRu4v
Get contents of RTS 28 report (2017) for AXA Investment Managers GS Limited	https://api.bestexhub.com/beta1/report/rts_28/9PE6mSxi
Get contents of DA 65 report (2017) for AXA Investment Managers GS Limited	https://api.bestexhub.com/beta1/report/da_65/Lp4ozypM
Get contents of RTS 28 report for ITI Capital (2017)	https://api.bestexhub.com/beta1/report/rts_28/D61Rgoj0



STEP 5: EXAMPLES TO TRY

Real example endpoints for RTS 27 reports - Tower Capital 2018, Q1 Report

Description	Example url – with path parameters
<i>Get a list of all firms</i>	https://api.bestexhub.com/beta1/firms
<i>Get list of all RTS 27 2018 Q1 reports</i>	https://api.bestexhub.com/beta1/reports?type=rts_27&year=2018&quarter=Q1
Get summary of reports available for Tower Capital	https://api.bestexhub.com/beta1/firm/coqXA8vo
Get summary of data available for Tower Capital, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/qsQ6fWkz
Get contents of Table 1 for Tower Capital, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/qsQ6fWkz/table_1
Get contents of Table 2 for Tower Capital, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/qsQ6fWkz/table_2
Get contents of Table 3 for Tower Capital, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/qsQ6fWkz/table_3
Get contents of Table 4 for Tower Capital, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/qsQ6fWkz/table_4
Get contents of Table 5 for Tower Capital, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/qsQ6fWkz/table_5
Get contents of Table 6 for Tower Capital, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/qsQ6fWkz/table_6
Get contents of Table 7 for Tower Capital, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/qsQ6fWkz/table_7
Get contents of Table 7 for Tower Capital, RTS 27, Q1, 2018 - 27 th March 2018	https://api.bestexhub.com/beta1/report/rts_27/qsQ6fWkz/table_7?date=2018-03-27
Get contents of Table 8 for Tower Capital, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/qsQ6fWkz/table_8



STEP 5: EXAMPLES TO TRY

Real example endpoints for RTS 27 reports – Hudson River 2018, Q1 Report

Description	Example url – with path parameters
<i>Get a list of all firms</i>	https://api.bestexhub.com/beta1/firms
<i>Get list of all RTS 27 2018 Q1 reports</i>	https://api.bestexhub.com/beta1/reports?type=rts_27&year=2018&quarter=Q1
Get summary of data available for Hudson River, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/firm/PoBaBCv0
Get contents of Table 1 for Hudson River, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/T7gVmmk7/table_1
Get contents of Table 2 for Hudson River, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/T7gVmmk7/table_2
Get contents of Table 3 for Hudson River, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/T7gVmmk7/table_3
Get contents of Table 4 for Hudson River, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/T7gVmmk7/table_4
Get contents of Table 5 for Hudson River, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/T7gVmmk7/table_5
Get contents of Table 6 for Hudson River, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/T7gVmmk7/table_6
Get contents of Table 7 for Hudson River, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/T7gVmmk7/table_7
Get contents of Table 7 for Hudson River, RTS 27, Q1, 2018 - 27 th March 2018	https://api.bestexhub.com/beta1/report/rts_27/T7gVmmk7/table_7?date=2018-03-27
Get contents of Table 8 for Hudson River, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/T7gVmmk7/table_8



STEP 5: EXAMPLES TO TRY

Real example endpoints for RTS 27 reports – Aquis Exchange 2018, Q1 Report

Description	Example url – with path parameters
<i>Get a list of all firms</i>	https://api.bestexhub.com/beta1/firms
<i>Get list of all RTS 27 2018 Q1 reports</i>	https://api.bestexhub.com/beta1/reports?type=rts_27&year=2018&quarter=Q1
Get summary of data available for Aquis, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/firm/D10D3iYV
Get contents of Table 1 for Aquis, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/62v3LxLQ/table_1
Get contents of Table 2 for Aquis, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/62v3LxLQ/table_2
Get contents of Table 3 for Aquis, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/62v3LxLQ/table_3
Get contents of Table 4 for Aquis, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/62v3LxLQ/table_4
Get contents of Table 5 for Aquis, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/62v3LxLQ/table_5
Get contents of Table 6 for Aquis, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/62v3LxLQ/table_6
Get contents of Table 7 for Aquis, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/62v3LxLQ/table_7
Get contents of Table 7 for Aquis, RTS 27, Q1, 2018 - 27 th March 2018	https://api.bestexhub.com/beta1/report/rts_27/62v3LxLQ/table_7?date=2018-03-27
Get contents of Table 8 for Aquis, RTS 27, Q1, 2018	https://api.bestexhub.com/beta1/report/rts_27/62v3LxLQ/table_8



STEP 6: FEEDBACK WELCOME

- We welcome any feedback you may have.
- Please email any comments to support@bestexhub.com to help us improve the functionality and features of BestExHub API.



BestExHub

The MiFID II Best Execution Report Hub

info@bestexhub.com

BestExHub.com

Registered Office: Wyndmere House, Ashwell Road, Steeple Morden, Hertfordshire, England. SG8 0NZ
Registered in England and Wales, Company number: 11050720

