



JPX API System Connection Specifications

Version 1.1

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JPX Market Innovation & Research, Inc.

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1. Purpose

These Specifications stipulate the necessary matters for connection when using the API system (hereinafter referred to as the "System") operated by JPX Market Innovation & Research, Inc. (hereinafter referred to as "JPXI").

- (1) API for Last Sales Information provided by Tokyo Stock Exchange, Inc.; and
- (2) TDnet API provided by JPXI

are provided through the System. The system connection is performed according to these Specifications, regardless of which service is used.

For details of the interface specifications, etc., refer to "Exhibit Interface Specifications" provided separately for each service.

2. Overview of the System

2.1. Overview of information provided

The System is an application programming interface (API) that returns various information in response to a request from a user.

By sending an API request via the Internet to the System, the user of the System can obtain information corresponding to the request parameter as an API response.

The System uses Amazon Web Services (AWS) as part of its functions.

2.2. Connection information

The connection information for the System is as follows.

| | |
|-------------------------------|---|
| Request URL | Unique URL for each service (For details, refer to "Exhibit Interface Specifications".) |
| HTTP method | POST |
| Authentication method | Authentication using the "access key" (*) set to the request parameter (authentication other than by using the access key, such as the IP address, is not performed.) |
| How to set request parameters | Set the specified parameters in the header and body parts. (For details, refer to "Exhibit Interface Specifications".) |
| Character code | UTF-8 |

- * The access key provided individually for each user is required for connecting to the System. For access keys, please log in to the JPX Information Service Contract System before checking.

2.3. Operating time of the System

In principle, we provide services 24 hours a day, 365 days a year. However, the update cycle of information varies depending on the service. For details of each service, refer to "Exhibit Interface Specifications".

If the system is to be suspended due to maintenance, etc., a notice to that effect will be sent in advance by e-mail or through the JPX Information Service Contract System.

3. Interface specifications

Refer to "Exhibit Interface Specifications".

4. Operation in case of failure

4.1. In case of system failure

In the event of a failure of the System, we will notify you to that effect by e-mail.

4.2. Errors in information

If there is an error in the information provided, a notice to that effect and correction information will be sent by e-mail or posted through the JPX Information Service Contract System.

5. Restrictions

To reduce the load on the system, refrain from executing a large number of API requests in a short time.

If an API request that exceeds a certain frequency is continuously executed, the user's connection may be temporarily suspended.

(For details, refer to "Exhibit Interface Specifications".)

6. Contact

<Inquiries about contracts and fees>

(API for Last Sales Information)

Data Services, Equities Department, Tokyo Stock Exchange, Inc.

E-mail: api-service@jpx.co.jp

(TDnet API)

Client Services Department, JPX Market Innovation & Research, Inc.

E-mail: api-service@jpx.co.jp

<Inquiries about connection specifications of the System>

IT Development Department, JPX Market Innovation & Research, Inc.

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7. Revision

| Date | Version | Changes |
|------------------|---------|--|
| January 22, 2021 | 1.0 | First edition |
| April 1, 2022 | 1.1 | Changes regarding the establishment of a new company |