



JPX API Service Service Guide

JPX Market Innovation & Research
Tokyo Stock Exchange

July 2023

TDnet API service

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API Service for Last Sales Information

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- JPX Market Innovation & Research, Inc. (hereinafter referred to as “JPXI”) provides a service to distribute timely disclosure information in Web-API format in order to further improve the convenience of market data distributed by JPXI.
- This service provides timely disclosure information of all listed companies nationwide via the Internet, directly from JPXI's information distribution system.
- Timely disclosure information is available for a period of five years.
- This service is provided using the environment described in the connection specifications.
- To use the service, you need to submit an application and conclude a contract after agreeing to "Terms and Conditions for TDnet API Service " in our Web system.

- The following information is provided by setting the access key, stock code, and period, and making a request to the specified URL in POST format.
- Refer to the connection specifications for the output format of each item.

Item name	Explanation
Number of responses	It indicates the number of documents to respond to.
Stock code	It indicates the stock code specified by the Securities Identification Code Committee.
Stock abbreviation	It indicates the abbreviation of the stock.
Date of disclosure	It indicates the date of disclosure.
Time of disclosure	It indicates the time of disclosure.
Handling attributes	It indicates whether new/modified/deleted.
Disclosure number	It indicates the disclosure number used to obtain documents.
Disclosure history number	It indicates the history of disclosure.
Title	It indicates the title of the disclosure.
Public item code	It indicates the classification of documents (financial results, mergers, etc.).
File existence flag	It indicates the presence or absence of PDF (full text/summary) and XBRL.

A-2. TDnet API — Document API

- The following information is provided by setting the access key, disclosure number, and document type (whether PDF (full text/summary) or XBRL) and making a request to the specified URL in POST format.
- Refer to the connection specifications for the output format of each item.

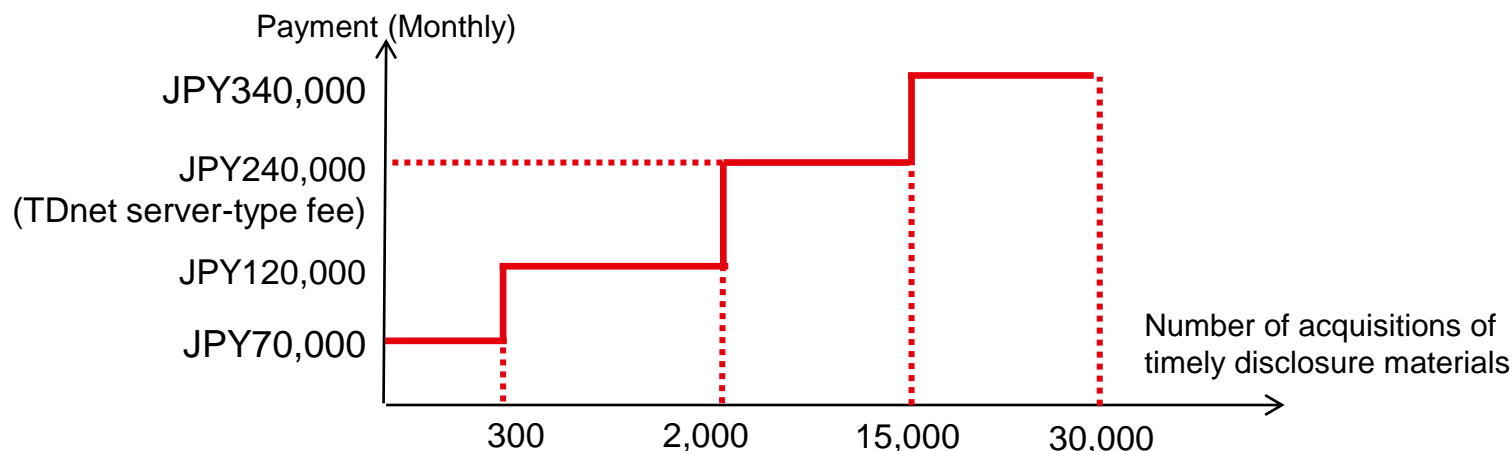
Item name	Explanation
File URL	If returning it in URL format, it indicates the URL.
Response type	It indicates the return format. *When the document data exceeds a certain size, the URL (URL generated one time) to store the document data is returned.
File data	When returning it in data format, the document is indicated in base64 format.

A-3. TDnet API — Fee structure (Overview)

Monthly usage fee (excluding tax) = Basic fee of JPY 70,000 + API information fee (Depending on the number of timely disclosure materials acquired during the month)

- The usage fee consists of the basic fee and the API information fee.
- The basic fee is a fixed amount during the term of the contract. It is a flat rate of JPY70,000.
- The API information fee will accrue depending on the number of timely disclosure materials acquired during the month. It is a table system, and if between 2,000 and 15,000 timely disclosure materials are obtained, The API information fee is JPY240,000.
- The API information fee will not be charged for using Index API.
- Multiple acquisitions of the same disclosure number of disclosure materials during the current month will not be included in the number of acquisitions.
- Acquisition of disclosure materials in URL format will not be included in the number of acquisitions.

○ Image of fee structure



* The number of disclosure materials per month in 2020 (excluding Notice of General Shareholders Meeting) is 6,094 (September) to 14,663 (May), so if all the disclosure materials for the current month (excluding Notice of General Shareholders Meeting) are acquired, In principle, the payment will be JPY240,000.

I. The basic fee is JPY70,000.

II. According to the number of timely disclosure materials obtained during the current month, the API information fee is calculated using the following formula.

(a) Timely disclosure materials obtained \leq 300 cases

API information fee = JPY0

(b) 301 cases \leq Timely disclosure materials obtained \leq 2,000 cases

API information fee = JPY50,000

(c) 2,001 cases \leq Timely disclosure materials obtained \leq 15,000 cases

API information fee = JPY170,000

(d) 15,001 cases \leq Timely disclosure materials obtained

API information fee = JPY170,000 + $\{[(\text{Timely disclosure materials obtained} - 15,001 \text{ cases}) / 15,000] + 1\} \times$
JPY100,000

(Note) [n] is the integer part of n. Truncate after the decimal point.

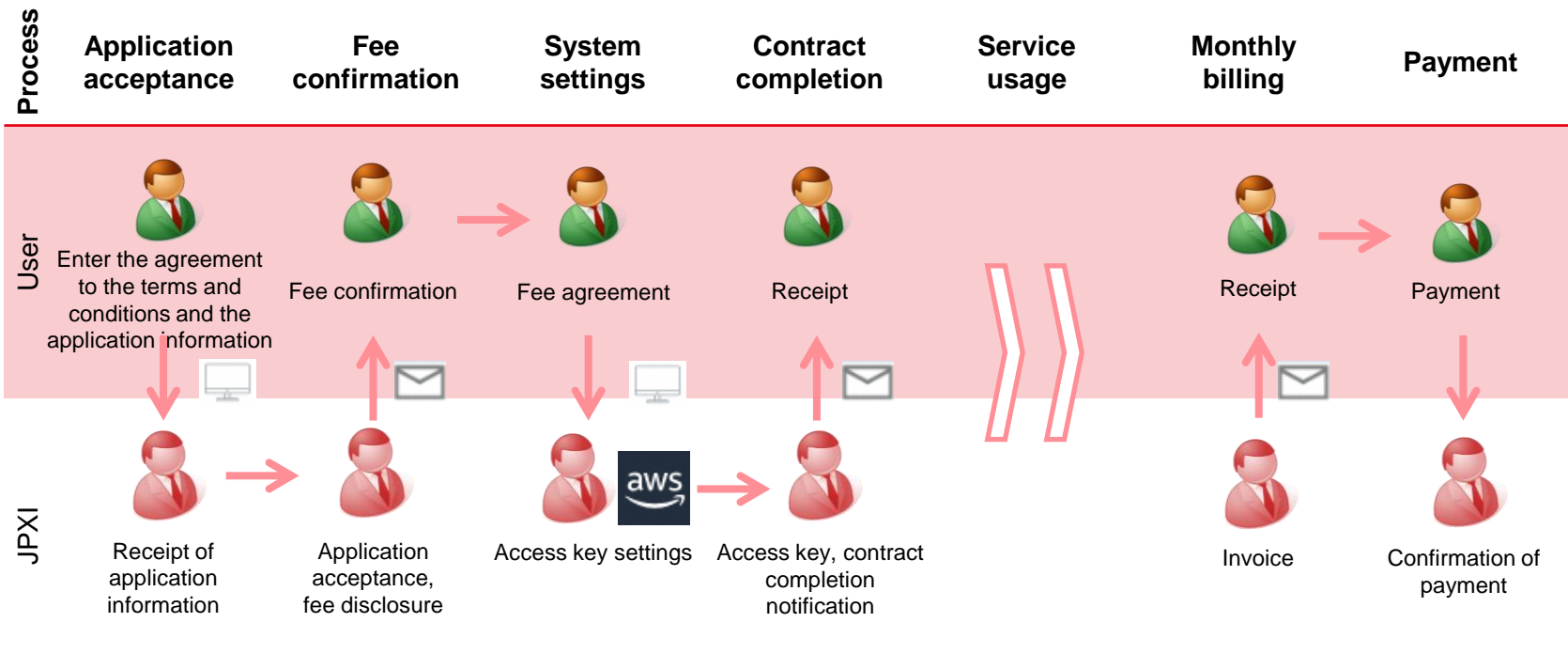
→ In (c) and thereafter, every time the number of timely disclosure materials obtained exceeds 15,000 cases, JPY100,000 is added.

III. Using the values calculated above, the timely disclosure information API usage fee is calculated using the following formula.

TDnet API usage fee = Basic fee + API information fee

A-4. TDnet API — Flow from contract application to start of use and billing

Usage start flow



*1: Refer to the various operating manuals for downloading data.

Legend : Web entry : E-mail contact

Matters pertaining to billing

- The invoice for the month of contract conclusion is prorated on a daily basis.(API information fee is excluded)
- In principle, the invoice for the current month's use will be sent around the fifth of the following month. Please transfer payment by the date indicated on the invoice.

A-5. TDnet API — Precautions, etc.

- Test server is available for verification before applying for contract. Please refer to [here](#) for access information.
- For flow control, only one request per second may be made. Please be careful when using Document API.
- In the event that disclosure is concentrated at the same time, such as during the financial results period, the provision of TDnet API may be delayed.
- It is assumed that the user will allow a third party to access timely disclosure information through its own services. It is not permitted to provide timely disclosure information to a third party for redistribution or to provide an environment or service that allows users to automatically accumulate timely disclosure information using file servers, etc. (i.e., perform almost the same services as JPXI).
- For 3 business days after granting the user ID (access key), test connection to the production server will be available. (Please refrain from connecting for purposes other than confirmation.)
- In the case of an individual application, you need to separately go through the procedure for credit payment. Credit payment is made through the services of Stripe Japan.
- For further details, refer to "Connection Specifications" and "Terms and Conditions for TDnet API Service".

- Please refer to the following for inquiries regarding the contents of the service and the procedures for commencement of use.

JPX Market Innovation & Research, Inc., Client Services
E-mail: api-service@jpx.co.jp

- Tokyo Stock Exchange, Inc. (hereinafter referred to as "TSE") provides a service to distribute Last Sales Information in Web-API format in order to further improve the convenience of market data distributed by TSE.
- In this service, Last Sales Information of stocks, etc. listed on TSE, Fukuoka Stock Exchange, and Sapporo Securities Exchange (for which 20 minutes or more has elapsed since distribution by TSE market information system.) is directly distributed via the Internet from JPX Market Innovation & Research's information distribution system.
- This service is provided using the environment described in the connection specifications.
- To use the service, you must submit an application and conclude a contract after agreeing to "Policies Regarding Usage of Market Information" in our Web system.

B-2. API for Last Sales Information — Information provided

- The following information is provided by setting the access key and stock code and making a request to the specified URL in POST format.
- Refer to the connection specifications for the output format of each item.
- The stock price update interval is every minute.

Item name	Explanation
Number of responses	It indicates the number of stocks to respond to.
Stock code	It indicates the stock code specified by the Securities Identification Code Committee.
Exchange	It indicates the exchange that has been contracted (TSE, Fukuoka Stock Exchange, or Sapporo Securities Exchange).
Market segment	It indicates the market segment (First Section, Mothers, etc.).
Date of contract	It indicates the date of contract.
Time of the latest price change	It indicates the time when the price changed.
Latest update time	It indicates the update time (20-minute delay).
Company name	It indicates the Company name.
English company name	It indicates the English company name.
OHLC (Open/High/Low/Close) prices	It indicates OHLC prices at the latest update time.
Trading volume	It indicates the trading volume at the latest update time.
Trading value	It indicates the trading value at the latest update time.

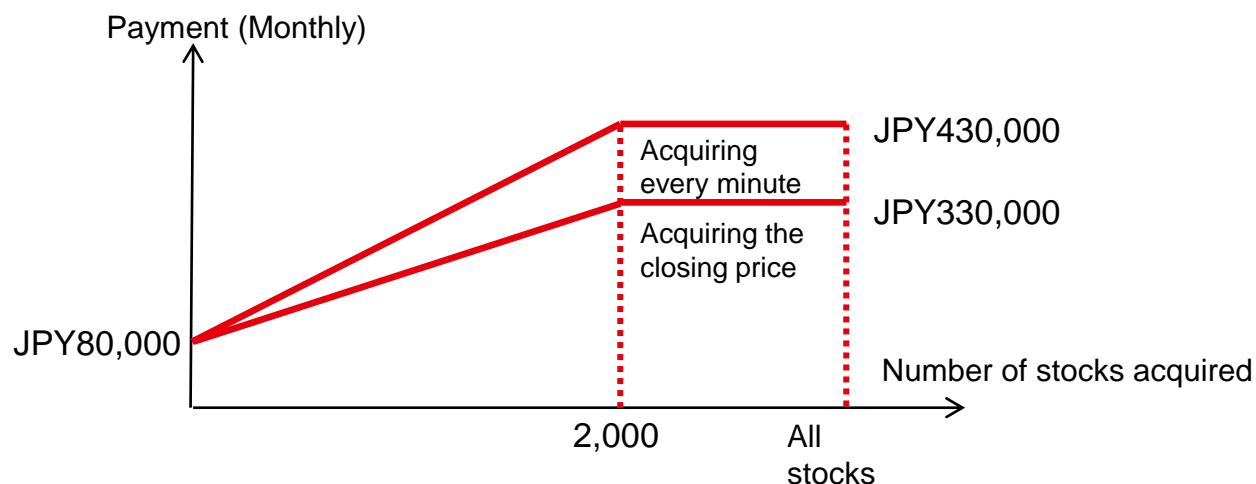
B-3. API for Last Sales Information — Fee structure (Overview)

Monthly usage fee (excluding tax) = Basic fee + API information fee (Number of stocks of the stock price acquired x Unit price of stocks according to the frequency of acquisition) + Network terminal fee

- The usage fee consists of the basic fee, API information fee, and network terminal fee.
- The basic fee is a fixed amount during the term of the contract. It is a flat rate of JPY 80,000.
- The API information fee is a fee depending on the number of issues and frequency of the information acquired during the month, the charge will be in the range of JPY0 to JPY350,000.
- When distributing information to an unspecified number of users, the Network terminal fee is charged in the range of JPY50,000 to JPY100,000.

○ Fee structure image (When there is no network terminal fee)

- If you acquire approximately 2,000 stocks per month, you will reach the upper limit of the information fee. The upper limit is the maximum and the fee will not be higher than that.



B-3. API for Last Sales Information — Fee structure (Details)

I. The basic fee is JPY80,000.

II. The stocks for which the stock price was acquired during the current month are classified according to the number of acquisitions.

Category	Number of monthly acquisitions
A	1 to 40
B	41 to 160
C	161 or more

III. Calculate the usage fee for each category.

- Category A usage fee = Number of stocks that fall under Category A x JPY125
However, if the Category A usage fee exceeds JPY250,000, it shall be JPY250,000.
- Category B usage fee = Number of stocks that fall under Category B x JPY150
However, if the Category B usage fee exceeds JPY300,000, it shall be JPY300,000.
- Category C usage fee = Number of stocks that fall under Category C x JPY175
However, if the Category C usage fee exceeds JPY350,000, it shall be JPY350,000.

IV. After adjusting the upper limit, the usage fee is added up to calculate the API information fee.

- The Category A usage fee and the Category B usage fee are added up. If the total value exceeds JPY300,000, it shall be JPY300,000.
- The total value and the Category C usage fee are added up to form the API information fee. If the API information fee exceeds JPY350,000, it shall be JPY350,000.

V. The network terminal fee shall be charged as follows based on the declaration on the Web system in accordance with "Policies Regarding Usage of Market Information".

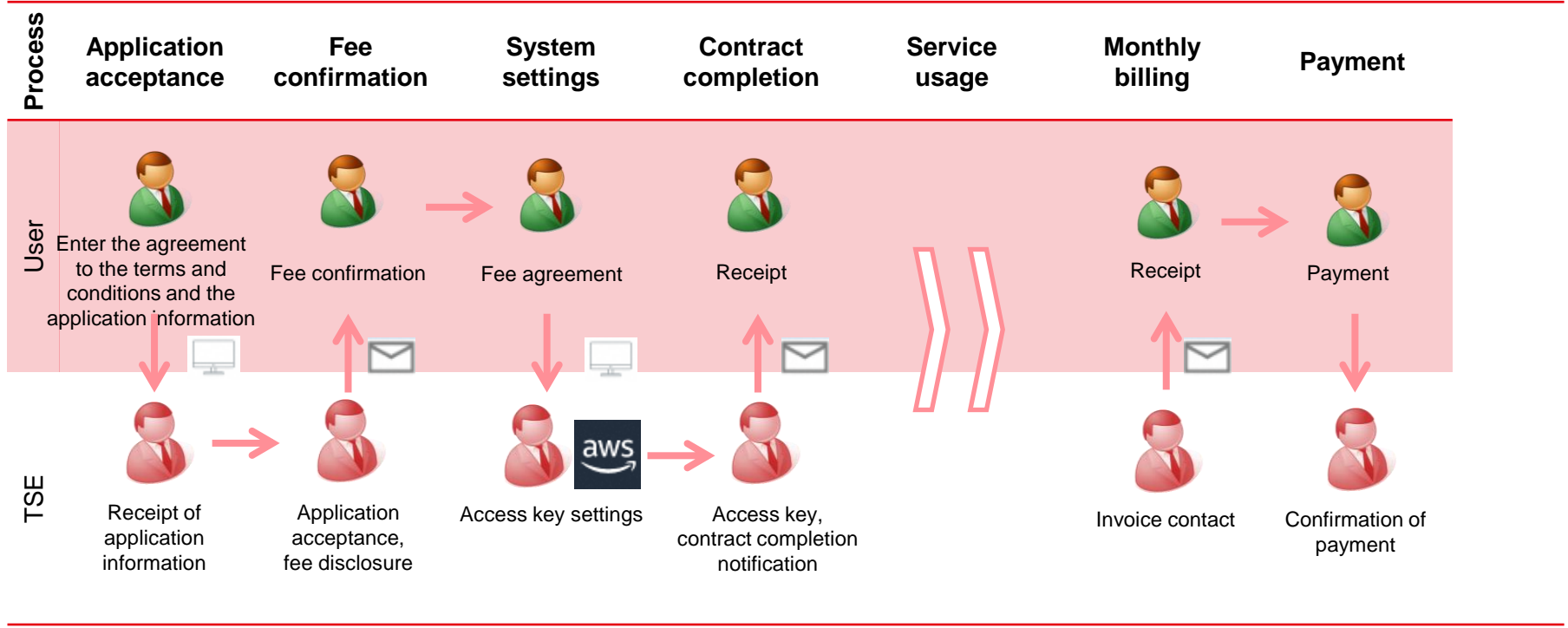
- If with an open terminal service (closing): JPY50,000
- If with an open terminal service (delay): JPY100,000

VI. Using the values calculated above, the API for Last Sales Information usage fee is calculated using the following formula.

API for Last Sales Information usage fee = Basic fee + API information fee + Network terminal fee

B-4. API for Last Sales Information — Flow from contract application to start of use and billing

Usage start flow



*1: Refer to the various operating manuals for downloading data.

Legend : Web entry : E-mail contact

Matters pertaining to billing

- The invoice for the month of contract conclusion is prorated on a daily basis. (API information fee is excluded)
- In principle, the invoice for the current month's use will be sent around the fifth of the following month. Please transfer payment by the date indicated on the invoice.

B-5. API Service for Last Sales Information — Precautions, etc.

- Test server is available for verification before applying for contract. Please refer to [here](#) for access information.
- For flow control, only two request per second may be made. Please be careful when acquiring a limited number of stocks
- This service does not provide real time market data, historical stock price information, quote information, etc. If you would like such information, please contact us separately.
- It is assumed that the user will use the last sales information by himself or let a third party view it through his own service. We do not allow provision to third parties who re-distribute.
- For 1 month after granting the user ID (access key), test connection to the production server will be available.
- In addition to this service, if you conclude an Execution of IPLA to directly connect using the market line with TSE or indirectly use, please contact us separately.
- In the case of an individual application, you need to separately go through the procedure for credit payment. Credit payment is made through the services of Stripe Japan.
- For further details, refer to "Connection Specifications" and "Policies Regarding Usage of Market Information".

B-6. API for Last Sales Information — Contact

- Please refer to the following for inquiries regarding the contents of the service and the procedures for commencement of use.

Tokyo Stock Exchange, Inc., Equities, Data Services
E-mail: api-service@jpx.co.jp