



# JPX Market Innovation & Research Specification for the Data Service on Snowflake

Version 1.0

October 14, 2025

JPX Market Innovation & Research, Inc.

This document is applicable from October 14, 2025.

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## 1. Purpose of this Specification

This specification document contains information necessary for connecting to the information distribution system (hereinafter referred to as the “System”), which JPX Market Innovation & Research, Inc. (hereinafter referred to as “JPXI”) operates, via the platform that Snowflake Inc. offers (hereinafter referred to as “Snowflake”) when utilizing the service through Snowflake as part of JPXI’s information provision service.

For details on provision frequency, provision time, file format, items on record, and other matters for each information provision service, please refer to the data specifications (data instructions) and other relevant information provided separately for each information provision service.

## 2. Outline of the System

The information provision service provided through Snowflake utilizes Snowflake’s data sharing function (Secure Data Sharing<sup>1</sup>) and non-materialized Views<sup>2</sup> to distribute information from the System to users’ Snowflake accounts.

### 2.1. Prerequisites for Use

To utilize this service, users must have a Snowflake account. Users are responsible for obtaining their own Snowflake account.

Furthermore, this service is provided under the assumption that users are knowledgeable about Snowflake. User costs pertaining to data utilization on Snowflake shall be paid by the user in accordance with the contract between the user and Snowflake LLC.

### 2.2. Connection Lines for Utilization, etc.

Users connect to the System via the internet or private connection service provided by an applicable platform (such as AWS Private Link or Azure Private Link). Users must prepare the necessary communication means in accordance with the connection method.

### 2.3. Scope of Responsibility for Distribution

The scope of JPXI’s responsibility regarding the System extends to creating Views for each user on Snowflake and updating the created Views with the latest data.

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<sup>1</sup> <https://docs.snowflake.com/en/user-guide/data-sharing-intro>

<sup>2</sup> <https://docs.snowflake.com/en/user-guide/views-introduction>

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## 2.4. Platform and Region

JPXI provides this service using the AWS Tokyo Region as the primary site for Snowflake.

Taking into consideration factors such as data storage costs for each platform, the availability of platforms and regions other than the above will be determined and handled separately for each information provision service. Therefore, it may take time before the new platform/region that the user wishes to use is available. Furthermore, we may provide the service via the other platforms or regions with auto-fulfillment<sup>3</sup> for listings.

## 2.5. Settings

### 2.5.1. Information to Provide to JPXI

Information to be provided by users to JPXI for the setup is as follows:

Item
Data sharing account identifier
User environment (production or non-production environment)
User platform and region*

\* For those who wish to use a platform/region other than AWS Tokyo Region

### 2.5.2. Information Provided by JPXI

The following items, which are required for users to connect, will be confirmed by JPXI and provided to the relevant users.

Item
JPX account identifier
JPX environment <sup>4</sup>
Database name
Schema name
Name of View to be provided

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<sup>3</sup> <https://docs.snowflake.com/collaboration/provider-listings-auto-fulfillment#set-up-auto-fulfillment>

<sup>4</sup> In principle, JPXI assumes it will utilize a production environment, but if it provides access from its non-production environment solely for user testing or trial purposes, it will explicitly state this fact.

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## 2.6. Views

### 2.6.1. Specification for Views

In principle, Views are created for each user and dataset. (JPXI will contact users individually if any exceptions are made.)

### 2.6.2. Usage Restrictions for Views

In Snowflake, no specific conditional restrictions (safety nets) can be set for data searches, references, or acquisitions performed by users through each View, except for restrictions based on permission status. Therefore, please note that if users do not set conditions based on items such as dates when using each View to perform data searches, references, or acquisitions, users may end up processing large volumes of data.

## 3. Data to be Provided

### 3.1. Information to be Provided

For information provided through the System, please refer to the data specifications for each information provision service.

### 3.2. Provision Frequency and Provision Time

#### (1) Operating Time of the System

The System shall be in operation 24 hours a day, 365 days a year.

However, data will not be updated on non-business days. In addition, services may be suspended after informing users when JPIXI will carry out maintenance.

#### (2) Update Time/Period for Views

The update time for each View varies depending on the provided files. For TOPIX Information, please refer to the “Last Update Control View” to check whether an update is available.

The reference period for each dataset varies depending on the service and contract.

## 4. Operation During System Failure

### 4.1. During System Failure

In the event of a system failure in the System, JPIXI will handle it in the following manner depending on the nature of the failure.

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#### 4.1.1. Delays in Information Distribution

JPXI will notify users via email as soon as it becomes aware of any expected delays in information distribution.

JPXI will also notify users via email once the information has been distributed or when distribution is expected to be made. Please check the View once the relevant distribution has been made.

#### 4.1.2. Errors in Information

If there are any errors in the information provided, JPXI will notify users of such and provide the correct information via email. Following this, once the data on Snowflake has been revised with the correct information, JPXI will again notify users, so please confirm that data. Additionally, in the event that the View containing the correct information is unable to be recreated due to system constraints, JPXI will notify users accordingly.

#### 4.1.3. System Failure in Snowflake or Other Platforms

Services may not be provided normally if a system failure occurs in Snowflake or AWS. Additionally, services may not be provided normally if a system failure occurs in the platform requested by the user. In the event of a system failure in Snowflake or the platform for Snowflake, JPXI may notify users of such at its discretion. However, as a general rule, JPXI requests that users obtain information by themselves regarding system failures, restoration, and other status updates through the following sites or other sources.

- Snowflake system failure : <https://status.snowflake.com>
- AWS system failure : <https://health.aws.amazon.com/health/status>

### 5. Contact

Inquiries about this specification, system specifications and operation, or system failure

Client Service Department

JPX Market Innovation & Research, Inc.

Telephone: +81-50-3377-7831

Email: [tminfo@jpx.co.jp](mailto:tminfo@jpx.co.jp)

\*When contacting JPXI, please specify that the inquiry concerns distribution via Snowflake.

\*For inquiries regarding the use of Snowflake itself, please contact Snowflake's support.

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## 6. Revision History

Date	Version	Details
10/14/2025	1.0	First Edition