Use of reference rates, the Markets Data API, and all data accessible through the Markets Data API is subject to the Terms of Use for the Federal Reserve Bank of New York website.

Reference rates, including the Effective Fed Funds Rate (EFFR), Overnight Bank Funding Rate (OBFR), Treasury Repo Benchmark Rates, and SOFR Averages and Index (SOFR-avg-ind) are subject to important disclaimers, conditions, limitations, and indemnification obligations described in the Terms of Use.
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  SOMA Non-MBS Methods (Deprecated)
  Reference Rates Methods
  Central Bank FX Liquidity Swap Methods

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Introduction

The Markets Data APIs are provided to external users and applications so that they may request data from the Federal Reserve Bank of New York. The APIs are architected using either a SOAP or a RESTful interface, with structured semantic URLs. As these APIs are intended to be consumed by a variety of systems, the data they return are in multiple formats. This document will outline how to retrieve data in various formats for the data set listed below.

APIs Covered

- System Open Market Account Holdings (SOMA)
- Primary Dealer Statistics (PD)
- Desk Operations
  - Treasury Securities (TSY)
  - Agency Mortgage-Backed Securities (AMBS)
  - Temporary Open Market Operations (TOMO)
    - Repo
    - Reverse Repo
  - Securities Lending
  - Central Bank Liquidity Swap
- Reference Rates
  - Effective Federal Funds Rate (EFFR)
  - Overnight Bank Funding Rate (OBFR)
  - Treasury Repo Rates
    - Broad General Collateral Rate (BGCR)
    - Tri-Party General Collateral Rate (TGCR)
    - Secured Overnight Financing Rate (SOFR)
      - SOFR Averages & Index (SOFRAI)
- Other Rates
  - Term Securities Lending Facility (TSLF)
  - Commercial Paper Funding Facility (CPFF)
  - Foreign Exchange Rates (Fx Rates)
What’s New in this Version

- Replacement of all TOMO (Repo and Reverse Repo) Methods notification
- Added new Repo and Reverse Repo Methods (Beta only)
- Added new Weighted Average Maturity (WAM) Methods

Support Notification

Repo and Reverse Repo (TOMOs) APIs Replacement

All existing TOMO (Repo and Reverse Repo) APIs will be replaced target date September 2021. The existing APIs will no longer be supported once the replacements are made available. The “retrieve” methods are replaced by “search” and “retrieveLastN” replaced by “last/n”. A “latest” and “lastTwoWeeks” will also be available.

The new APIs are now available in Beta. Please see the Reference section of this document for details and examples of the new Repo and Reverse Repo APIs.

Central Bank FX Liquidity Swap API and Trade file Replacement

All existing APIs for FX Liquidity Swap are replaced. The existing APIs are no longer supported. The “retrieveAll” API and trade files are replaced by “last/n”, “latest”, and “search” APIs. See usage detail in the Central Bank FX Liquidity Swap Methods in this document.

The Outstanding amounts will no longer be provided.

Reference Rate APIs Replacement

APIs for reference rates are replaced. Previously existing APIs are no longer supported. The “retrieve” methods are replaced by “search” and “retrieveLastN” replaced by “last/n”. A “latest” option is also available. Rates include:

- Unsecured Rates (EFFR, OBFR)
- Secured Rates (TGCR, BGCR, SOFR, SOFRAI)

RSS Feeds Support Ending

Support of RSS Feed will end for all APIs listed in this document. Reference rates RSS feeds are disabled. Dates for others will be in future updates.

As alternative, subscribe to respective GovDelivery emails and/or make use of the APIs detailed in this document. GovDelivery sign-ups are available on each webpage.

Sample API replacement for each product can be found in the “RSS Feeds” section in this document.

SDMX.xml Format Deprecation

Please take note that sdmx.xml for APIs and downloads is now deprecated and will gradually be retired. Support for csv, xlsx, xml and json formats will continue. For APIs and downloads that currently support sdmx.xml but does not support xml format, xml will be added as an option.
End of Support (April 2021)
Support of sdmx.xml format will end for the following methods and webpage downloads
- AMBS operation
- Treasury operation
- Primary Dealer Survey
- Reference Rates

Additional notification will be sent in advance of changes.

Versioning & Release

REST:
The RESTful APIs will be versioned with numeric values consisting of three integers representing major, minor and release numbers in the form of Major.Minor.Release. Each change of the numbers will be in increments of one, with the lesser significant numbers resetting to zero at changes in major and minor numbers. Details on the significance and meaning of changes in each number are detailed below.

Example
- Major Version: 1.8.6
- Minor Version: 1.9.0
- Release Version: 1.9.1

SOAP:
The SOAP APIs are versioned with numeric values in the URL. The first number is the major release number and the second number is the minor release number.

Example
- Major Version: https://www.newyorkfed.org/markets/.../ webservice/v3_8/...
- Minor Version: https://www.newyorkfed.org/markets/.../ webservice/v4_0/...

Releases:
These are the significance and meaning of changes to APIs as they relate to versioning in each number.

Changes in Release numbers
- Will maintain backward compatibility
- Should consist of bug fixes to be consistent with the published specification
- Will not contain additions or changes to the API
- Will not necessarily coincide with a new API specification

Changes in Minor numbers
- Will maintain backward compatibility
- May include bug fixes
• May include additions or changes to the API such as additional functionality, parameters or fields data while maintaining backward compatibility
• Will be released with a new API specification

Changes in Major numbers
• Does not maintain backward compatibility
• May include bug fixes
• Will include additions or changes to the API such as additional or changes to functionality, parameters or fields data that will not maintain backward compatibility
• Will be released with a new API specification

Locations

REST:
The APIs are available via HTTPS. The base URLs of the APIs varies per data set.

API Base URL: https://markets.newyorkfed.org/api/
This base applies to the following data sets:
• AMBS Operations
• Treasury Operations
• Repo and Reverse Repo Operations (Beta only)
• Primary Dealer Statistics
• SOMA
• Reference Rate
• Central Bank FX Liquidity Swap

Example
❖ https://markets.newyorkfed.org/api/soma/mbs/get/release_log.xml

API Base URL: https://websvcgatewayx2.frbny.org/
This base applies to the following data sets:
• TOMO (Support ends target date September 2021)
• SecLending

Example
❖ https://websvcgatewayx2.frbny.org/autorates_tomo_external/services/v1_0/tomo/retrieveXmlLastN?n=25

SOAP:
WSDL for SOAP APIs
Repo and Reverse Repo Operations
- https://www.newyorkfed.org/markets/omo/dmm/tomo/webservice/v3_0/tomoWS.wsdl

Securities Lending
- https://www.newyorkfed.org/markets/seclend/webservice/v3_0/securitiesLendingWS.wsdl

TSLF
- https://www.newyorkfed.org/markets/tslf/webservice/v3_0/TSLFWS.wsdl

CPFF
- https://www.newyorkfed.org/markets/cpff/webservice/v3_0/CPFFWS.wsdl

FX-Rates
- https://www.newyorkfed.org/markets/fxrates/WebService/v1_0/FXWS.wsdl

Parameters

REST:
Each method of the APIs may be offered in multiple formats. The formats are specified by the file extension on the method's URL. Parameters to the API are sent via query string parameters in the standardized form. Here are some basic guidelines:
- Each parameter is sent in a name-value pair
- The name and value should be separated by an equals (=) sign
  - This may be omitted if the value is blank
- Each set of name value pairs should be separated by an ampersand (&)

Example
- ...
- /search.json?startDate=10/21/2020&endDate=10/22/2020&cusip=912810FT0

In some cases the API may specify required parameters to the method as part of the path. In these cases, you may replace the placeholder with the respective value as noted.

Example
- soma/agency/get/mbs/asof/[DATE].[FORMAT]
  - soma/agency/get/mbs/asof/2020-10-21.xml

SOAP:
Each method of the API uses SOAP for both the request and response.

Parameters to the APIs are sent using standard XML. As with any qualified XML the namespaces of the data set you are calling must be used for each request.

Example
- https://websvcgatewayx2.frbny.org/autorates_tomo_external/services/v1_0/tomo/retrieveXmlLastN?n=25
Additional parameters may or may not be required according to the method’s specification in this document.
Response

REST:
The standard HTTP response codes will be used to handle high-level error conditions from the API. A 200 response will be the normal case. If the requested item is not found, a 404 respond will be returned.

SOAP:
A client can either get the SOAP response intended or a SOAP fault if there is an error. A typical SOAP response will be a String. The String will contain a complete XML document detailing the result.

XML Schema

SDMX v1 XML Schemas

SDMXCommon.xsd
SDMXCompactData.xsd
SDMXCrossSectionalData.xsd
SDMXGenericData.xsd
SDMXMessage.xsd
SDMXQuery.xsd
SDMXStructure.xsd
SDMXUtilityData.xsd
xml.xsd

SDMX v2.1 XML Schemas

SDMXCommon.xsd
SDMXCommonReferences.xsd
SDMXDataGeneric.xsd
SDMXDataGenericBase.xsd
SDMXDataGenericTimeSeries.xsd
SDMXDataStructureSpecific.xsd
SDMXDataStructureSpecificBase.xsd
SDMXDataStructureSpecificTimeSeries.xsd
SDMXMessage.xsd
SDMXMessageFooter.xsd
SDMXMetadataGeneric.xsd
SDMXMetadataStructureSpecific.xsd
SDMXQuery.xsd
SDMXQueryBase.xsd
SDMXQueryCategorisation.xsd
SDMXQueryCategory.xsd
SDMXQueryCodelist.xsd
SDMXQueryConcept.xsd
SDMXQueryConstraint.xsd
SDMXQueryData.xsd
SDMXQueryDataStructure.xsd
SDMXQueryDataflow.xsd
SDMXQueryHierarchicalCodelist.xsd
SDMXQueryMetadata.xsd
SDMXQueryMetadataStructure.xsd
SDMXQueryMetadataDataflow.xsd
SDMXQueryOrganisation.xsd
SDMXQueryProcess.xsd
SDMXQueryProvisionAgreement.xsd
SDMXQueryReportingTaxonomy.xsd
SDMXQuerySchema.xsd
SDMXQueryStructureSet.xsd
SDMXQueryStructures.xsd
SDMXRegistry.xsd
SDMXRegistryBase.xsd
SDMXRegistryRegistration.xsd
SDMXRegistryStructure.xsd
SDMXRegistrySubscription.xsd
SDMXStructure.xsd
SDMXStructureBase.xsd
SDMXStructureCategorisation.xsd
SDMXStructureCategory.xsd
SDMXStructureCodelist.xsd
SDMXStructureConcept.xsd
SDMXStructureConstraint.xsd
SDMXStructureDataStructure.xsd
SDMXStructureDataflow.xsd
SDMXStructureHierarchicalCodelist.xsd
SDMXStructureMetadataStructure.xsd
SDMXStructureMetadataDataflow.xsd
SDMXStructureOrganisation.xsd
SDMXStructureProcess.xsd
SDMXStructureProvisionAgreement.xsd
SDMXStructureReportingTaxonomy.xsd
SDMXStructureStructureSet.xsd
xml.xsd
REST:

**XML Schema**

*Agency Mortgage Back Securities*
- [https://markets.newyorkfed.org/static/schema/ambs.xsd](https://markets.newyorkfed.org/static/schema/ambs.xsd)

*Treasury*
- [https://markets.newyorkfed.org/static/schema/tsy.xsd](https://markets.newyorkfed.org/static/schema/tsy.xsd)

*Primary Dealer Survey*
- [https://markets.newyorkfed.org/static/schema/gsds.xsd](https://markets.newyorkfed.org/static/schema/gsds.xsd)

*System Open Market Account Holdings*
- [https://markets.newyorkfed.org/static/schema/soma.xsd](https://markets.newyorkfed.org/static/schema/soma.xsd)

*Reference Rates*
- [https://markets.newyorkfed.org/static/schema/referencerates.xsd](https://markets.newyorkfed.org/static/schema/referencerates.xsd)

*Central Bank FX Liquidity Swaps*
- [https://markets.newyorkfed.org/static/schema/fxSwaps.xsd](https://markets.newyorkfed.org/static/schema/fxSwaps.xsd)

*Repo and Reverse Repo*
- [https://markets.newyorkfed.org/beta/static/schema/repo.xsd](https://markets.newyorkfed.org/beta/static/schema/repo.xsd) (Beta Only)

SOAP:

**SDXML XML Schema**

*SOAP Envelope*
- [https://schemas.xmlsoap.org/SOAP/envelope/](https://schemas.xmlsoap.org/SOAP/envelope/)

*SOAP Encoding*
- [https://schemas.xmlsoap.org/SOAP/encoding/](https://schemas.xmlsoap.org/SOAP/encoding/)

*Securities Lending*
- [https://www.newyorkfed.org/xml/schemas/SecLendingCross.xsd](https://www.newyorkfed.org/xml/schemas/SecLendingCross.xsd)

*FX Rates*
- [https://www.newyorkfed.org/xml/schemas/FX_Utility.xsd](https://www.newyorkfed.org/xml/schemas/FX_Utility.xsd)

*CPFF Rates*
- [https://www.newyorkfed.org/xml/schemas/CPFFSchema.xsd](https://www.newyorkfed.org/xml/schemas/CPFFSchema.xsd)

*TSLF Rates*
- [https://www.newyorkfed.org/xml/schemas/TSLFSchema.xsd](https://www.newyorkfed.org/xml/schemas/TSLFSchema.xsd)
CSV and Excel Formats
The CSV and Excel formats each start with a header row defining the columns of the data. Subsequent rows contain the data respective to the column headings.

Beta Versions
The default endpoints are backed by the latest official service implementation. When upgrades or new features are implemented, they will first be made available in beta version so that consumers may test their systems against it before it goes live. After a period of time, the beta version will replace the latest version.

To access a service beta version, preface the path with the /beta node and the request will be serviced by the beta version. So a call of:

https://markets.newyorkfed.org/api/ambs/all/results/details/latest.json

Can be executed as:

https://markets.newyorkfed.org/beta/api/ambs/all/results/details/latest.json

Not all endpoints support beta versions. The documentation will indicate where it is offered.

Authentication
No authentication is required for access to the Markets Operations API at this time.
**Method List**

Below are the available methods. Details and examples for each method can be found in the *Reference* section of this document

**REST:**

**AMBS Methods**
- `ambs/[OPERATION]/[RECORDTYPE]/[REPORTTYPE]/latest.[FORMAT]`
- `ambs/[OPERATION]/[RECORDTYPE]/[REPORTTYPE]/get/bydate/[DATE].[FORMAT]`
- `ambs/[OPERATION]/results/[REPORTTYPE]/lastTwoWeeks.[FORMAT]`
- `ambs/[OPERATION]/results/[REPORTTYPE]/lastTwenty.[FORMAT] (Deprecated)`
- `ambs/[OPERATION]/results/[REPORTTYPE]/last/[LASTAMOUNT].[FORMAT]`
- `ambs/[OPERATION]/results/[REPORTTYPE]/search.[FORMAT][PARAMETERS]`

**TSY Methods**
- `tsy/[OPERATION]/[RECORDTYPE]/[REPORTTYPE]/latest.[FORMAT]`
- `tsy/[OPERATION]/results/[REPORTTYPE]/lastTwoWeeks.[FORMAT]`
- `tsy/[OPERATION]/results/[REPORTTYPE]/last/[LASTAMOUNT].[FORMAT]`
- `tsy/[OPERATION]/results/[REPORTTYPE]/search.[FORMAT][PARAMETERS]`

**Repo and Reverse Repo Methods (Beta only)**
- `rp/[OPERATION]/[METHOD]/[RECORDTYPE]/latest.[FORMAT]`
- `rp/[OPERATION]/[METHOD]/results/lastTwoWeeks.[FORMAT] (Beta September 2021)`
- `rp/[OPERATION]/results/last/[LASTAMOUNT].[FORMAT]`
- `rp/[OPERATION]/results/search.[FORMAT][PARAMETERS]`
- `rp/repo/settlements/search.[FORMAT][PARAMETERS]`
- `rp/reverserepo/propositions/search.[FORMAT][PARAMETERS]`

**Primary Dealer Methods**
- `pd/rss/release.xml` (for backwards compatibility) (Deprecated)
- `pd/list/asof.[FORMAT]`
- `pd/list/seriesbreaks.[FORMAT]`
- `pd/list/timeseries.[FORMAT]`
- `pd/get/asof/[DATE].[FORMAT]`
- `pd/get/[SERIESBREAK]/timeseries/[TIMESERIES].[FORMAT]`
- `pd/get/[TIMESERIES].[FORMAT]`
- `pd/get/all/timeseries.csv`

**SOMA General Methods**
- `soma/summary.[FORMAT]`
- `soma/asofdates/list.[FORMAT]`
- soma/asofdates/latest.[FORMAT]

**SOMA Agency Methods**
- soma/agency/get/release_log.[FORMAT]
- soma/agency/get/[SECURITYTYPE]/asof/[DATE].[FORMAT]
- soma/agency/get/asof/[DATE].[FORMAT]
- soma/agency/get/cusip/[CUSIP].[FORMAT]
- soma/agency/wam/agency%20debts/asof/[DATE].[FORMAT]

**SOMA TSY Methods**
- soma/tsy/get/release_log.[FORMAT]
- soma/tsy/get/[SECURITYTYPE]/asof/[DATE].[FORMAT]
- soma/tsy/get/cusip/[CUSIP].[FORMAT]
- soma/tsy/get/monthly.[FORMAT]
- soma/tsy/wam/[SECURITYTYPE]/asof/[DATE].[FORMAT]

**SOMA MBS Methods (Deprecated)**
Note: SOMA “Non-MBS” Methods are deprecated. Prefer Agency Methods
- soma/mbs/get/release_log.[FORMAT]
- soma/mbs/get/[DATE].[FORMAT]
- soma/mbs/get/cusip/[CUSIP].[FORMAT]

**SOMA Non-MBS Methods (Deprecated)**
Note: SOMA “Non-MBS” Methods are deprecated. Prefer TSY Methods
- soma/non-mbs/get/release_log.[FORMAT]
- soma/non-mbs/get/[SECURITYTYPE]/asof/[DATE].[FORMAT]
- soma/non-mbs/get/cusip/[CUSIP].[FORMAT]
- soma/non-mbs/get/monthly.[FORMAT]

**Reference Rates Methods**
- rates/[RATEGROUP]/[RATETYPE]/latest.[FORMAT]
- rates/[RATEGROUP]/[RATETYPE]/last/[LASTAMOUNT].[FORMAT]
- rates/[RATEGROUP]/[RATETYPE]/search.[FORMAT][PARAMETERS]

**Central Bank FX Liquidity Swap Methods**
- fxs/[RATEGROUP]/latest.[FORMAT]
- fxs/[RATEGROUP]/last/[LASTAMOUNT].[FORMAT]
- fxs/[RATEGROUP]/search.[FORMAT][PARAMETERS]
- fxs/list/counterparties.[FORMAT]
SOAP:

Repo and Reverse Repo Methods (Support ends target date Sept. 2021)
- getTomo
- getLatestTomo
- getTomoUpdates
- getLastNTomo

Securities Lending Methods
- getSecuritiesLending
- getLatestSecuritiesLending
- getLastNSecuritiesLending
- getSecuritiesLendingUpdates

FX Rates Methods
- getAllLatestNoonRates
- getAllNoonRates
- getLatestNoonRate
- getNoonRates

CPFF Methods
- getLatestCPFF
- getCPFFOneDate
- getLastNCPFF
- getCPFF

TSLF Methods
- getLatestTSLF
- getTSLF
- getTSLFOneDate
- getTSLFUpdates
- getLastNTSLF
RSS Feeds (Deprecated)

Note: RSS feeds will no longer be supported. Support for reference rates RSS feeds ends April 2021. End dates for the others will be included in future updates. As alternative, GovDelivery and APIs are available for alerts and data respectively. GovDelivery signups are available on the webpages. “Sample Replacement” APIs are added to this section however, there are other options which can be found in Methods under the “Reference” area of this document.

pd/rss/release.xml
Description
This feed provides RSS formatted information on the latest Primary Dealer Statistical releases based on as of date. The RSS feed includes a link to the released data by as of date in XML format.

This endpoint is here for backwards compatibility.

Sample Replacement
The “list” API returns pd asof dates which can be used for “get/asof” API
- https://markets.newyorkfed.org/api/pd/list/asof.xml
- https://markets.newyorkfed.org/api/pd/get/asof/2021-03-03.xml

/rss/feeds/pd
Description
This feed provides RSS formatted information on the latest Primary Dealer Statistical release based on as of date. The RSS feed includes a link to the released data by as of date in XML format.

Sample Replacement:
The “list” API returns pd asof dates which can be used for “get/asof” API
- https://markets.newyorkfed.org/api/pd/list/asof.xml
- https://markets.newyorkfed.org/api/pd/get/asof/2021-03-03.xml

/rss/feeds/ambs
Description
This feed provides RSS formatted information on the latest AMBS operation results. The RSS feed includes a link to the AMBS home page.

Sample Replacement:
The “latest” API returns all AMBS operations for the current date
- https://markets.newyorkfed.org/api/ambs/all/results/details/latest.xml

/rss/feeds/tsy
Description
This feed provides RSS formatted information on the latest Treasury operation results. The RSS feed includes a link to the Treasury home page.
Sample Replacement:
The “latest” API returns all Treasury operations for the current date
  •  https://markets.newyorkfed.org/api/tsy/all/results/details/latest.xml

/rss/feeds/soma
Description
This feed provides RSS formatted information on the latest SOMA holdings summary. The RSS feed includes a link to the SOMA home page.

Sample Replacement:
The “summary” API returns all for the current date
  •  https://markets.newyorkfed.org/api/soma/summary.xml

All feeds adhere to the RSS-CB specification which is defined here:

http://www.cbwiki.net/wiki/index.php/RSS-CBMain
Reference

REST:

AMBS Methods
Beta is supported for AMBS

`ambs/[OPERATION]/[RECORDTYPE]/[REPORTTYPE]/latest.[FORMAT]`

Description
Return AMBS operation records for the current day as specified in the path and format requested.

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Required</th>
<th>Data Type</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPERATION</td>
<td>YES</td>
<td>OPERATION</td>
<td>all, sales, purchases, roll, swap</td>
</tr>
<tr>
<td>RECORDTYPE</td>
<td>YES</td>
<td>RECORDTYPE</td>
<td>announcements, results</td>
</tr>
<tr>
<td>REPORTTYPE</td>
<td>YES</td>
<td>REPORTTYPE</td>
<td>summary, details</td>
</tr>
<tr>
<td>FORMAT</td>
<td>YES</td>
<td>FORMAT</td>
<td>csv, xlsx, xml, json</td>
</tr>
</tbody>
</table>

Response
A list of operations returned in the requested format.

Example
- [https://markets.newyorkfed.org/api/ambs/all/results/details/latest.json](https://markets.newyorkfed.org/api/ambs/all/results/details/latest.json)

`ambs/[OPERATION]/results/[REPORTTYPE]/lastTwoWeeks.[FORMAT]`

Description
Return AMBS operation records for the prior two weeks in the format requested. This method is supported for results only.
Parameters

OPERATION
Required: YES
Data Type: OPERATION
Values: all, sales, purchases, roll, swap

REPORTTYPE
Required: YES
Data Type: REPORTTYPE
Values: summary, details

FORMAT
Required: YES
Data Type: FORMAT
Values: csv, xlsx, xml, json

Response
A list of operations returned in the requested format.

Example
❖ https://markets.newyorkfed.org/api/ambs/all/results/details/lastTwoWeeks.xml

ambs/[OPERATION]/results/[REPORTTYPE]/lastTwenty.[FORMAT] (Deprecated)

Description
Return last twenty AMBS operation records as specified in the path and format requested. This method is supported for results only.

Note: New API “last/n” where n is number of records will be added.

Parameters

OPERATION
Required: YES
Data Type: OPERATION
Values: all, sales, purchases, roll, swap

REPORTTYPE
Required: YES
Data Type: REPORTTYPE
Values: summary, details

FORMAT
Required: YES
Data Type: FORMAT
Values: csv, xlsx, xml, json
Response
A list of operations returned in the requested format.

Example
- https://markets.newyorkfed.org/api/ambs/purchases/results/details/lastTwenty.csv

*ambs/[OPERATION]/results/[REPORTTYPE]/last/[LASTAMOUNT].[FORMAT]*

Description
Returns the last “n” number of AMBS operation records as specified in the path and format requested. This method is supported for results only.

Parameters

**OPERATION**
- Required: YES
- Data Type: OPERATION
- Values: all, sales, purchases, roll, swap

**REPORTTYPE**
- Required: YES
- Data Type: REPORTTYPE
- Values: summary, details

**LASTAMOUNT**
- Required: YES
- Data Type: Number
- Values: 1-100

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: csv, xlsx, xml, json

Response
A list of operations returned in the requested format.

Example
- https://markets.newyorkfed.org/api/ambs/all/results/details/last/20.xml
- https://markets.newyorkfed.org/api/ambs/purchases/results/details/last/5.csv
- https://markets.newyorkfed.org/api/ambs/roll/results/summary/last/3.json

*ambs/[OPERATION]/[RECORDTYPE]/[REPORTTYPE]/get/bydate/[DATE].[FORMAT]*

Description
Returns AMBS operation records for a given date as specified in the path and format requested.
Parameters

**OPERATION**
- Required: YES
- Data Type: OPERATION
- Values: all, sales, purchases, roll, swap

**RECORDTYPE**
- Required: YES
- Data Type: RECORDTYPE
- Values: announcements, results

**REPORTTYPE**
- Required: YES
- Data Type: REPORTTYPE
- Values: summary, details

**DATE**
- Required: YES
- Data Type: DATE
- Values: YYYY-MM-DD

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: csv, xlsx, xml, json

Response
A list of operations returned in the requested format.

Example

*ambs/[OPERATION]/results/[REPORTTYPE]/search.[FORMAT][PARAMETERS]*

Description
Returns AMBS operation records as specified in the query parameters and format requested. This method is supported for results only.

Parameters

**OPERATION**
- Required: YES
- Data Type: OPERATION
- Values: all, sales, purchases, roll, swap
REPORTTYPE

Required: YES
Data Type: REPORTTYPE
Values: summary, details

FORMAT

Required: YES
Data Type: FORMAT
Values: csv, xlsx, xml, json

ADVANCED FILTER PARAMETERS

startDate

Required: No
Data Type: Date
Format: MM/DD/YYYY or YYYY-MM-DD

dendDate

Required: No
Data Type: Date
Format: MM/DD/YYYY or YYYY-MM-DD

securities:

Required: No
Data Type: String
Values: Basket, Coupon Swap, Dollar Roll, Specified Pool, TBA

cusip

Required: No
Data Type: string
Values: 9 alphanumeric characters (partial included)

desc

Required: No
Data Type: string
Note: This parameter will filter the Security Description field.

Response

A list of operations returned in the requested format.
Example
   • https://markets.newyorkfed.org/api/ambs/all/results/details/search.xml?startDate=12/10/2020&endDate=12/15/2020&securities=Specified%20Pool

**TSY Methods**

**Beta is supported for TSY**

\[tsy/[OPERATION]/[RECORDTYPE]/[REPORTTYPE]/latest.[FORMAT]\]

**Description**
Returns Treasury operation records for the current day as specified in the path and format requested.

**Parameters**

**OPERATION**
- Required: YES
- Data Type: OPERATION
- Values: all, sales, purchases

**RECORDTYPE**
- Required: YES
- Data Type: RECORDTYPE
- Values: announcements, results, operations

**REPORTTYPE**
- Required: YES
- Data Type: REPORTTYPE
- Values: summary, details

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: csv, xlsx, xml, json

**Response**
A list of operations returned in the requested format.

Example
   • https://markets.newyorkfed.org/api/tsy/all/results/details/latest.json

\[tsy/[OPERATION]/results/[REPORTTYPE]/lastTwoWeeks.[FORMAT]\]

**Description**
Return Treasury operation records for the last two weeks as specified in the path and format requested. This method is supported for results only.
Parameters

**OPERATION**
- Required: YES
- Data Type: OPERATION
- Values: all, sales, purchases

**REPORTTYPE**
- Required: YES
- Data Type: REPORTTYPE
- Values: summary, details

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: csv, xlsx, xml, json

Response
- A list of operations returned in the requested format.

Example
- [https://markets.newyorkfed.org/api/tsy/purchases/results/details/lastTwoWeeks.csv](https://markets.newyorkfed.org/api/tsy/purchases/results/details/lastTwoWeeks.csv)

```ruby
tsy/[OPERATION]/results/[REPORTTYPE]/last/[LASTAMOUNT].[FORMAT]
```

Description
Returns the last “n” number of Treasury operation records as specified in the path and format requested. This method is supported for results only.

Parameters

**OPERATION**
- Required: YES
- Data Type: OPERATION
- Values: all, sales, purchases

**REPORTTYPE**
- Required: YES
- Data Type: REPORTTYPE
- Values: summary, details

**LASTAMOUNT**
- Required: YES
- Data Type: Number
- Values: 1-100
FORMAT
  Required: YES
  Data Type: FORMAT
  Values: csv, xlsx, xml, json

Response
A list of operations returned in the requested format.

Example
  🔄  https://markets.newyorkfed.org/api/tsy/purchases/results/details/last/10.json

tsy/[OPERATION]/results/[REPORTTYPE]/search.[FORMAT][PARAMETERS]

Description
Provides advanced search to retrieve Treasury operation records as specified in the path and format requested. This method is supported for results only.

Parameters

OPERATION
  Required: YES
  Data Type: OPERATION
  Values: all, sales, purchases

REPORTTYPE
  Required: YES
  Data Type: REPORTTYPE
  Values: summary, details

FORMAT
  Required: YES
  Data Type: FORMAT
  Values: csv, xlsx, xml, json

ADVANCED FILTER PARAMETERS

startDate:
  Required: No
  Data Type: Date
  Format: MM/DD/YYYY or YYYY-MM-DD
  Values: Valid date

endDate:
  Required: No
  Data Type: Date
  Format: MM/DD/YYYY or YYYY-MM-DD
  Values: Valid date
securityType:
Required: No
Data Type: String
Values: treasury, agency, both
Note: agency returns Agency Debt operations.

CUSIP:
Required: No
Data Type: string
Values: 9 alphanumeric characters (partial included)

desc:
Required: No
Data Type: string
Note: This parameter will filter the Security Description field.

Response
A list of operations returned in the requested format.

Example
   https://markets.newyorkfed.org/api/tsy/all/results/details/search.json?startDate=10/21/2020&endDate=10/25/2020&cusip=912828UN8
Repo and Reverse Repo Methods (Beta Only)

Beta is supported for Repo and Reverse Repo

rp/[OPERATION]/[METHOD]/[RECORDTYPE]/latest.[FORMAT] (Beta Only)

Description
Return Repo and Reverse Repo operation records for the current day as specified in the path and format requested.

Parameters

OPERATION
Required: YES
Data Type: OPERATION
Values: all, repo, reverserepo

METHOD
Required: YES
Data Type: METHOD
Values: all, fixed, single, multiple
Note: This parameter is operation method

RECORDTYPE
Required: YES
Data Type: RECORDTYPE
Values: announcements, results

FORMAT
Required: YES
Data Type: FORMAT
Values: csv, xlsx, xml, json

Response
A list of current day’s posted operations returned in the requested format.

Example
- https://markets.newyorkfed.org/beta/api/rp/all/all/results/latest.xml
- https://markets.newyorkfed.org/beta/api/rp/all/multiple/results/latest.xml
- https://markets.newyorkfed.org/beta/api/rp/repo/all/results/latest.json
- https://markets.newyorkfed.org/beta/api/rp/reverserepo/fixed/results/latest.xlsx
- https://markets.newyorkfed.org/beta/api/rp/reverserepo/all/announcements/latest.csv
- https://markets.newyorkfed.org/beta/api/rp/repo/multiple/announcements/latest.json
**rp/[OPERATION]/[METHOD]/results/lastTwoWeeks.[FORMAT] (Beta Target Sept 2021)**

**Description**
Return Repo and Reverse Repo operation results records for the prior two weeks in the format requested.

**Parameters**

**OPERATION**
- Required: YES
- Data Type: OPERATION
- Values: all, repo, reverserepo

**METHOD**
- Required: YES
- Data Type: METHOD
- Values: all, fixed, single, multiple

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: csv, xlsx, xml, json

**Response**
A list of operations conducted in the last two weeks returned in the requested format.

**Example**
- [https://markets.newyorkfed.org/beta/api/rp/all/all/results/lastTwoWeeks.xml](https://markets.newyorkfed.org/beta/api/rp/all/all/results/lastTwoWeeks.xml)
- [https://markets.newyorkfed.org/beta/api/rp/reverserepo/all/results/lastTwoWeeks.xml](https://markets.newyorkfed.org/beta/api/rp/reverserepo/all/results/lastTwoWeeks.xml)
- [https://markets.newyorkfed.org/beta/api/rp/all/multiple/results/lastTwoWeeks.xml](https://markets.newyorkfed.org/beta/api/rp/all/multiple/results/lastTwoWeeks.xml)
- [https://markets.newyorkfed.org/beta/api/rp/reverserepo/fixed/results/lastTwoWeeks.json](https://markets.newyorkfed.org/beta/api/rp/reverserepo/fixed/results/lastTwoWeeks.json)

**rp/[OPERATION]/[METHOD]/results/last/[LASTAMOUNT].[FORMAT] (Beta Only)**

**Description**
Returns the last “n” number of Repo and Reverse Repo operations results records as specified in the path and format requested.

**Parameters**

**OPERATION**
- Required: YES
- Data Type: OPERATION
- Values: all, repo, reverserepo

**METHOD**
- Required: YES
Data Type: METHOD
Values: all, fixed, single, multiple

FORMAT
Required: YES
Data Type: FORMAT
Values: csv, xlsx, xml, json

Response
A list of operations returned in the requested format.

Example
- https://markets.newyorkfed.org/beta/api/rp/all/all/results/last/25.xlsx
- https://markets.newyorkfed.org/beta/api/rp/all/single/results/last/3.xml
- https://markets.newyorkfed.org/beta/api/rp/repo/multiple/results/last/3.json
- https://markets.newyorkfed.org/beta/api/rp/reverserepo/fixed/results/last/25.csv
- https://markets.newyorkfed.org/beta/api/rp/reverserepo/all/results/last/3.xml

rp/[OPERATION]/results/search.[FORMAT][PARAMETERS]

Description
Returns Repo and Reverse Repo operation results records as specified in the query parameters and format requested.

Parameters

FORMAT
Required: YES
Data Type: FORMAT
Values: csv, xlsx, xml, json

ADVANCED FILTER PARAMETERS

startDate
Required: No
Data Type: Date
Format: MM/DD/YYYY or YYYY-MM-DD

endDate
Required: No
Data Type: Date
Format: MM/DD/YYYY or YYYY-MM-DD

operationTypes:
**Required:** No  
**Data Type:** String  
**Values:** repo, reverserepo

**method:**

**Required:** No  
**Data Type:** String  
**Values:** fixed, single, multiple

**securityType:**

**Required:** No  
**Data Type:** String  
**Values:** tsy, agency, mbs, srf

**term:**

**Required:** No  
**Data Type:** String  
**Values:** Overnight, Term

**Response**

A list of operations returned in the requested format.

**Example**

- https://markets.newyorkfed.org/beta/api/rp/results/search.xml?startDate=07/19/2021&endDate=07/21/2021
- https://markets.newyorkfed.org/beta/api/rp/results/search.json?startDate=07/19/2021&endDate=07/21/2021&operationTypes=reverserepo&method=fixed
- https://markets.newyorkfed.org/beta/api/rp/results/search.xml?startDate=07/19/2021&endDate=07/21/2021&securityType=mbs
- https://markets.newyorkfed.org/beta/api/rp/results/search.json?startDate=09/01/2019&endDate=09/30/2019&term=Term
- https://markets.newyorkfed.org/beta/api/rp/results/search.csv?startDate=09/15/2019&endDate=09/30/2019&operationTypes=repo&securityType=agency
- https://markets.newyorkfed.org/beta/api/rp/results/search.json?startDate=01/19/2021&endDate=07/21/2021&operationTypes=reverserepo&securityType=tsy&term=Overnight

**rp/repo/settlements/search.[FORMAT][PARAMETERS] (Beta Only)**

**Description**

Return Repo settlement by security type as specified in the path and format requested.
Parameters

startDate

- Required: No
- Data Type: Date
- Format: MM/DD/YYYY or YYYY-MM-DD

date

- Required: No
- Data Type: Date
- Format: MM/DD/YYYY or YYYY-MM-DD

Response

A list of settlement detailed returned in the requested format.

Example

- https://markets.newyorkfed.org/beta/api/rp/repo/settlements/search.xml?startDate=08/01/2021&endDate=08/12/2021

rp/reverserepo/propositions/search.[FORMAT][PARAMETERS] (Beta Only)

Description

Return Reverse Repo propositions by counterparty records as specified in the path and format requested.

Parameters

startDate

- Required: No
- Data Type: Date
- Format: MM/DD/YYYY or YYYY-MM-DD

date

- Required: No
- Data Type: Date
- Format: MM/DD/YYYY or YYYY-MM-DD

Response

A list of proposition detailed returned in the requested format.

Example

- https://markets.newyorkfed.org/beta/api/rp/reverserepo/propositions/search.xml?startDate=02/01/2021&endDate=02/04/2021
Primary Dealer Methods

Beta is supported for Primary Dealer

pd/list/asof.[FORMAT]

Description
Provides a list of available as of dates for primary dealer data releases paired with the associated series break.

Parameters

<table>
<thead>
<tr>
<th>FORMAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required:</td>
</tr>
<tr>
<td>Data Type:</td>
</tr>
<tr>
<td>Values:</td>
</tr>
</tbody>
</table>

Response
A list of as of dates its respective series break in the requested format for use as input to other API methods.

Example
   - [https://markets.newyorkfed.org/api/pd/list/asof.json](https://markets.newyorkfed.org/api/pd/list/asof.json)

pd/list/seriesbreaks.[FORMAT]

Description
Provides a list of available series breaks identified by label, series break id, start date and end date.

Parameters

<table>
<thead>
<tr>
<th>FORMAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required:</td>
</tr>
<tr>
<td>Data Type:</td>
</tr>
<tr>
<td>Values:</td>
</tr>
</tbody>
</table>

Response
A list of series breaks in the requested format.

Example
   - [https://markets.newyorkfed.org/api/pd/list/seriesbreaks.xml](https://markets.newyorkfed.org/api/pd/list/seriesbreaks.xml)

pd/list/timeseries.[FORMAT]

Description
Provides a list of available time series paired with the respective Series breaks for use as input to other API methods.
Parameters

FORMAT
Required: YES
Data Type: FORMAT
Values: xml, csv, xlsx, json

Response
A list of time series and its respective Series breaks in the requested format.

Example
- [https://markets.newyorkfed.org/api/pd/list/timeseries.xml](https://markets.newyorkfed.org/api/pd/list/timeseries.xml)

pd/get/asof/[DATE].[FORMAT]
Description
Retrieves the full set of available timeseries data for a given as of date.

Parameters

DATE
Required: YES
Data Type: DATE
Format: YYYY-MM-DD
Values: Valid date

FORMAT
Required: YES
Data Type: FORMAT
Values: xml, csv, xlsx, json

Response
A list in the requested format of timeseries and its respective value for the requested as of date.

Example

pd/get/[SERIESBREAK]/timeseries/[TIMESERIES].[FORMAT]
Description
Retrieves the full set of time series data for a given series break. A time series record is identified by as of date and value.

Parameters

SERIESBREAK
Required: YES
Data Type: SERIESBREAK
Values: A valid series break value (e.g. SBP2001)

TIMESERIES
Required: YES
Data Type: TIMESERIES
Values: A list of valid time series separated with underscores (available via the /pd/list/timeseries endpoint)

FORMAT
Required: YES
Data Type: FORMAT
Values: xml, csv, xlsx, json

Response
A list in the requested format of as of dates and its respective values for the requested series break and time series. A time series record is identified by as of date and value.

Example
  ✤ https://markets.newyorkfed.org/api/pd/get/SBN2013/timeseries/PDSI10TSTS-T.json

pd/get/[TIMESERIES],[FORMAT]
Description
Returns the values for the given time series ids across all series breaks. Series ids are separated with underscores.

Parameters
TIMESERIES
Required: YES
Data Type: TIMESERIES
Values: A list of valid time series separated with underscores (available via the /pd/list/timeseries endpoint)

FORMAT
Required: YES
Data Type: FORMAT
Values: xml, csv, xlsx, json

Response
A list in the requested format of as of dates and its respective values for the requested time series. A time series record is identified by as of date and value.

Example
  ✤ https://markets.newyorkfed.org/api/pd/get/PDSI10OGS-OO.xlsx
**pd/get/all/timeseries.csv**

**Description**
Returns the values for all the time series. Only CSV format is supported.

**Parameters**
N/A

**Response**
A CSV file with all as of dates and its values for all timeseries. A timeseries record is identified by its as of date and value.

**Example**
- https://markets.newyorkfed.org/api/pd/get/all/timeseries.csv

**SOMA General Methods**

**Beta is supported for SOMA**

**soma/summary.[FORMAT]**

**Description**
This provides a time series summary of the historical SOMA holdings.

**Parameters**

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: xml, csv, json

**Response**
A list of as of dates and the respective holdings in the requested format.

**Example**
- https://markets.newyorkfed.org/api/soma/summary.json

**soma/asofdates/list.[FORMAT]**

**Description**
This provides a list of all available as of dates available for request. These as of dates may then be used as parameters for other methods.

**Parameters**

**FORMAT**
- Required: YES
Data Type: FORMAT
Values: xml, csv, json

Response
A list of as of dates in the requested format.

Example
   • https://markets.newyorkfed.org/api/soma/asofdates/list.xml

`soma/asofdates/latest.[FORMAT]`
Description
This provides the latest as of date.

Parameters
  FORMAT
    Required: YES
    Data Type: FORMAT
    Values: xml, csv, json

Response
The latest as of date in the requested format.

Example
   • https://markets.newyorkfed.org/api/soma/asofdates/latest.xml

**SOMA Agency Methods**

`soma/agency/get/release_log.[FORMAT]`
Description
This provides a list of the past three months of agency release events, including the as of date and release date. Should an as of date be re-released for correction or otherwise, it will be listed here. These as of dates may then be used as parameters for other methods.

Parameters
  FORMAT
    Required: YES
    Data Type: FORMAT
    Values: xml, csv, json

Response
A list of as of and release dates in the requested format.
Example
  ❖  https://markets.newyorkfed.org/api/soma/agency/get/release_log.xml

soma/agency/get/[SECURITYTYPE]/asof/[DATE],[FORMAT]

Description
This method provides the full details of the most recent agency release as of requested date in the requested format. Please note: the as of date and release date may differ. The release offered will be the most recent release no later than the requested as of date.

Parameters
FORMAT
  Required: YES
  Data Type: FORMAT
  Values: xml, csv, json

DATE
  Required: YES
  Data Type: DATE
  Format: YYYY-MM-DD
  Values: Any valid DATE

SECURITYTYPE
  Required: YES
  Data Type: AGENCY-SECURITYTYPE
  Values: all, agency debts, mbs, cmbs. Default use should be all.

Response
The Release details in the requested format.

Example
  ❖  https://markets.newyorkfed.org/api/soma/agency/get/agency%20debts/asof/2020-12-30.json

soma/agency/get/asof/[DATE],[FORMAT]

Description
This method provides the full details of the most recent agency release as of requested date in the requested format. Please note: the as of date and release date may differ. The release offered will be the most recent release no later than the requested as of date.

Parameters
FORMAT
  Required: YES
Data Type: FORMAT
Values: xml, csv, json

DATE
Required: YES
Data Type: DATE
Format: YYYY-MM-DD
Values: Any valid DATE

Response
The release details in the requested format.

Example
▶ https://markets.newyorkfed.org/api/soma/agency/get/asof/2020-12-30.csv

soma/agency/get/cusip/[CUSIP].[FORMAT]

Description
This method provides the ability to retrieve the agency releases for a given CUSIP.

Parameters
FORMAT
Required: YES
Data Type: FORMAT
Values: xml, csv, json

CUSIP
Required: YES
Data Type: string
Values: 9 alphanumeric characters

Response
The CUSIP holding’s details in the requested format.

Example
▶ https://markets.newyorkfed.org/api/soma/agency/get/cusip/36179VQS2.xml

soma/agency/wam/agency%20debts/asof/[DATE].[FORMAT]

Description
This method provides the weighted average maturity (wam) base on the most recent agency debts released, as of requested date in the requested format.

Parameters
DATE
Required: YES
Data Type: DATE  
Format: YYYY-MM-DD  
Values: Any valid DATE

**FORMAT**

Required: YES  
Data Type: FORMAT  
Values: xml, xlsx, csv, json

**Response**
The weighted average maturity (wam) in the requested format.

**Example**

- [https://markets.newyorkfed.org/api/soma/agency/wam/agency%20debts/asof/2021-08-11.xml](https://markets.newyorkfed.org/api/soma/agency/wam/agency%20debts/asof/2021-08-11.xml)

**SOMA TSY Methods**

**soma/tsy/get/release_log.[FORMAT]**

**Description**
This provides a list of the past three months of releases, including the as of date and release date. Should an as of date be re-released for correction or otherwise, it will be listed here. These as of dates may then be used as parameters for other methods.

**Parameters**

**FORMAT**

Required: YES  
Data Type: FORMAT  
Values: xml, csv, json

**Response**
A list of as of and release dates in the requested format.

**Example**

- [https://markets.newyorkfed.org/api/soma/tsy/get/release_log.json](https://markets.newyorkfed.org/api/soma/tsy/get/release_log.json)

**soma/tsy/get/[SECURITYTYPE]/asof/[DATE].[FORMAT]**

**Description**
This method provides the full details of the most recent Treasury release as of requested dates in the requested format. Please note: the as of date and release date may differ. The release offered will be the most recent release no later than the requested as of date.
Parameters

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: xml, csv, json

**DATE**
- Required: YES
- Data Type: DATE
- Format: YYYY-MM-DD
- Values: Any valid DATE

**SECURITYTYPE**
- Required: YES
- Data Type: TSY-SECURITYTYPE
- Values: all, bills, notesbonds, frn, tips. Default use should be all.

Response
The release details in the requested format.

Example
- https://markets.newyorkfed.org/api/soma/tsy/get/all/asof/2020-12-30.json
- https://markets.newyorkfed.org/api/soma/tsy/get/notesbonds/asof/2020-12-30.xml

`soma/tsy/get/cusip/[CUSIP].[FORMAT]`

Description
This method provides the ability to retrieve the Treasury releases for a given CUSIP.

Parameters

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: xml, csv, json

**CUSIP**
- Required: YES
- Data Type: string
- Values: 9 alphanumeric characters

Response
The CUSIP holding’s details in the requested format.
Example
- \url{https://markets.newyorkfed.org/api/soma/tsy/get/cusip/912828A83.csv}

**soma/tsy/get/monthly.[FORMAT]**

*Description*
This provides a detailed timeseries of the historical SOMA Treasury holdings at monthly intervals.

*Parameters*

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: xml, csv, json

*Response*
The Treasury released details in the requested format.

Example
- \url{https://markets.newyorkfed.org/api/soma/tsy/get/monthly.csv}

**soma/tsy/wam/[SECURITYTYPE]/asof/[DATE].[FORMAT]**

*Description*
This method provides the Weighted Average Maturity (wam) base on the most recent treasury released as of requested date in the requested format.

*Parameters*

**SECURITYTYPE**
- Required: YES
- Data Type: TSY-SECURITYTYPE
- Values: all, bills, notesbonds, frn, tips

**DATE**
- Required: YES
- Data Type: DATE
- Format: YYYY-MM-DD
- Values: Any valid DATE

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: xml, xlsx, csv, json

*Response*
The Weighted Average Maturity (wam) in the requested format.
Example

SOMA MBS Methods (Deprecated)
Note: The “mbs” methods are now deprecated; prefer “Agency” Methods.

*soma/mbs/get/release_log.[FORMAT]*
Description
This provides a list of the past three months of release events, including the as-of date and release date. Should an as of date be re-released for correction or otherwise it will be listed here. These as of dates may then be used as parameters for other methods.

Parameters
**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: xml, csv, json

**Response**
A list of as of and release dates in the requested format.

Example
- https://markets.newyorkfed.org/api/soma/mbs/get/release_log.json

*soma/mbs/get/asof/[DATE].[FORMAT]*
Description
This method provides the full details of the most recent MBS release as of requested date in the requested format. Please note: the as of date and release date may differ. The release offered will be the most recent release no later than the requested as of date.

Parameters
**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: xml, csv, json

**DATE**
- Required: YES
- Data Type: DATE
- Format: YYYY-MM-DD
- Values: Any valid DATE
Response

The release details in the requested format.

Example

- https://markets.newyorkfed.org/api/soma/mbs/get/asof/2020-12-30.csv

`soma/mbs/get/cusip/[CUSIP].[FORMAT]`

Description
This method provides the ability to retrieve the MBS releases for a given CUSIP.

Parameters

<table>
<thead>
<tr>
<th>FORMAT</th>
<th>Required</th>
<th>Data Type</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORMAT</td>
<td>YES</td>
<td>FORMAT</td>
<td>xml, csv, json</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CUSIP</th>
<th>Required</th>
<th>Data Type</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUSIP</td>
<td>YES</td>
<td>string</td>
<td>9 alphanumeric characters</td>
</tr>
</tbody>
</table>

Response

The CUSIP holding’s details in the requested format.

Example

- https://markets.newyorkfed.org/api/soma/mbs/get/cusip/36179VKK5.xml

SOMA Non-MBS Methods (Deprecated)

Note: The non-mbs methods are here for backwards compatibility only. Prefer the use of the /soma/tsy endpoints listed below, as the non-mbs endpoint will eventually be retired.

The “non-mbs” methods are now deprecated; prefer “TSY” Methods.

`soma/non-mbs/get/release_log.[FORMAT]`

Description
This provides a list of the past three months of releases, including the as of date and release date. Should an as of date be re-released for correction or otherwise it will be listed here. These as of dates may then be used as parameters for other methods.

Parameters

<table>
<thead>
<tr>
<th>FORMAT</th>
<th>Required</th>
<th>Data Type</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORMAT</td>
<td>YES</td>
<td>FORMAT</td>
<td>xml, csv, json</td>
</tr>
</tbody>
</table>
Response
A list of as of and release dates in the requested format.

Example
- https://markets.newyorkfed.org/api/soma/non-mbs/get/release_log.json

`soma/non-mbs/get/[SECURITYTYPE]/asof/[DATE].[FORMAT]`

Description
This method provides the full details of the most recent non-MBS Release As Of requested date in the requested format. Please note: the as of date and release date may differ. The Release offered will be the most recent release no later than the requested as of date.

Parameters

<table>
<thead>
<tr>
<th>FORMAT</th>
<th>Required: YES</th>
<th>Data Type: FORMAT</th>
<th>Values: xml, csv, json</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>DATE</th>
<th>Required: YES</th>
<th>Data Type: DATE</th>
<th>Format: YYYY-MM-DD</th>
<th>Values: Valid date</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>SECURITYTYPE</th>
<th>Required: YES</th>
<th>Data Type: TSY-SECURITYTYPE</th>
<th>Values: all, bills, notesbonds, frn, tips. Default use should be all</th>
</tr>
</thead>
</table>

Response
The Release details in the requested format.

Example
- https://markets.newyorkfed.org/api/soma/non-mbs/get/all/asof/2020-12-30.json
- https://markets.newyorkfed.org/api/soma/non-mbs/get/notesbonds/asof/2020-12-30.xml

`soma/non-mbs/get/cusip/[CUSIP].[FORMAT]`

Description
This method provides the ability to retrieve the non-MBS releases for a given CUSIP.

Parameters

<table>
<thead>
<tr>
<th>FORMAT</th>
<th>Required: YES</th>
<th>Data Type: FORMAT</th>
<th>Values: xml, csv, json</th>
</tr>
</thead>
</table>
CUSIP
Required: YES
Data Type: string
Values: 9 alphanumeric characters

Response
The CUSIP holding’s details in the requested format.

Example
 bulb https://markets.newyorkfed.org/api/soma/non-mbs/get/cusip/9127964P1.json

soma/non-mbs/get/monthly.[FORMAT]
Description
This provides a detailed time series of the historical SOMA non-MBS holdings at monthly intervals.

Parameters
FORMAT
Required: YES
Data Type: FORMAT
Values: xml, csv, json

Response
The non-MBS release details, a set per quarter, in the requested format.

Example
 bulb https://markets.newyorkfed.org/api/soma/non-mbs/get/monthly.csv

Reference Rates Methods
Beta is supported for Reference Rates

rates/[RATEGROUP]/[RATETYPE]/latest.[FORMAT]
Description
Return reference rates records for the latest Date as specified in the path and format requested.

Parameters
RATEGROUP
Required: YES
Data Type: RATEGROUP
Values: all, unsecured, secured

RATETYPE
Required: YES*
Data Type: REPORTTYPE
Values: all. Use with “unsecured” and “secured” RateGroups.
*Omit RATE TYPE when using RATE GROUP “all”. RATE TYPE “all” should only be used with RATE GROUP “secured” and “unsecured”.

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: csv, xlsx, xml, json

**Response**
A list of rates returned in the requested format.

**Example**
- [https://markets.newyorkfed.org/api/rates/all/latest.xml](https://markets.newyorkfed.org/api/rates/all/latest.xml)
- [https://markets.newyorkfed.org/api/rates/secured/all/latest.json](https://markets.newyorkfed.org/api/rates/secured/all/latest.json)
- [https://markets.newyorkfed.org/api/rates/unsecured/all/latest.csv](https://markets.newyorkfed.org/api/rates/unsecured/all/latest.csv)

**rates/[RATEGROUP]/[RATETYPE]/last/[LASTAMOUNT].[FORMAT]**

**Description**
Returns the last “n” number of reference rates records as specified in the path and format requested.

**Parameters**

**RATEGROUP**
- Required: YES
- Data Type: RATEGROUP
- Values: unsecured, secured

**RATETYPE**
- Required: YES
- Data Type: REPORTTYPE
- Values: effr, obfr. Use with “unsecured” RateGroup. tgcr, bgcr, sofr, sofrai. Use with “secured” RateGroup.

**LASTAMOUNT**
- Required: YES
- Data Type: Number
- Values: 1-100

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: csv, xlsx, xml, json
Response
A list of rates returned in the requested format.

Example
- https://markets.newyorkfed.org/api/rates/unsecured/effr/last/10.xml
- https://markets.newyorkfed.org/api/rates/secured/sofrai/last/10.json

`rates/[RATEGROUP]/[RATETYPE]/search.[FORMAT][PARAMETERS]`

Description
Provides advanced search to retrieve reference rates records as specified in the path and format requested.

Parameters

**RATEGROUP**
- Required: YES
- Data Type: RATEGROUP
- Values: all, unsecured, secured

**RATETYPE**
- Required: Yes*
- Data Type: REPORTTYPE
- Values: all. Use with “unsecured” and “secured” RateGroups.
  - efr, obfr. Use with “unsecured” RateGroup.
  - tgtc, bgcr, sof, sofrai. Use with “secured” RateGroup.
- *Omit RATETYPE when using RATEGROUP “all”. RATETYPE “all” should only be used with RATEGROUP “unsecured” and “secured”.

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: csv, xlsx, xml, json

**ADVANCED FILTER PARAMETERS**

**startDate:**
- Required: No
- Data Type: Date
- Format: MM/DD/YYYY or YYYY-MM-DD
- Values: Valid date

**endDate:**
- Required: No
- Data Type: Date
- Format: MM/DD/YYYY or YYYY-MM-DD
- Values: Valid date
type:
  Required: No
  Data Type: String
  Values: rate, volume

Response
A list of rates returned in the requested format.

Example
- https://markets.newyorkfed.org/api/rates/all/search.csv?startDate=02/19/2021&endDate=02/26/2021
- https://markets.newyorkfed.org/api/rates/secured/tgcr/search.xml?startDate=02/19/2021&endDate=03/01/2021
- https://markets.newyorkfed.org/api/rates/secured/tgcr/search.xml?startDate=02/19/2021&endDate=03/01/2021&type=rate
- https://markets.newyorkfed.org/api/rates/unsecured/all/search.json?startDate=02/19/2021&endDate=02/26/2021&type=volume

Central Bank FX Liquidity Swap Methods
Beta is supported for Central Bank FX Liquidity Swap Methods

fxs/[RATEGROUP]/latest.[FORMAT]

Description
Return FX Liquidity Swap records for the latest date as specified in the path and format requested.

Parameters
RATEGROUP
  Required: YES
  Data Type: RATEGROUP
  Values: all, usdollar, nonusdollar

FORMAT
  Required: YES
  Data Type: FORMAT
  Values: csv, xlsx, xml, json

Response
A list of FX liquidity swap records returned in the requested format.

Example
- https://markets.newyorkfed.org/api/fxs/all/latest.xml
- https://markets.newyorkfed.org/api/fxs/usdollar/latest.json
- https://markets.newyorkfed.org/api/fxs/nonusdollar/latest.csv
**fxs/[RATEGROUP]/last/[LASTAMOUNT].[FORMAT]**

**Description**
Returns the last “n” number of FX Liquidity Swap records as specified in the path and format requested.

**Parameters**

**RATEGROUP**
- Required: YES
- Data Type: RATEGROUP
- Values: usdollar, nonusdollar

**LASTAMOUNT**
- Required: YES
- Data Type: Number
- Values: 1-100

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: csv, xlsx, xml, json

**Response**
A list of FX liquidity swap records returned in the requested format.

**Example**
- [https://markets.newyorkfed.org/api/fxs/usdollar/last/10.xml](https://markets.newyorkfed.org/api/fxs/usdollar/last/10.xml)
- [https://markets.newyorkfed.org/api/fxs/nonusdollar/last/10.json](https://markets.newyorkfed.org/api/fxs/nonusdollar/last/10.json)

**fxs/[RATEGROUP]/search.[FORMAT][PARAMETERS]**

**Description**
Provides advanced search to retrieve FX Liquidity Swap records as specified in the path and format requested.

**Parameters**

**RATEGROUP**
- Required: YES
- Data Type: RATEGROUP
- Values: all, usdollar, nonusdollar

**FORMAT**
- Required: YES
- Data Type: FORMAT
- Values: csv, xlsx, xml, json

**ADVANCED FILTER PARAMETERS**
**startDate:**
- **Required:** No
- **Data Type:** Date
- **Format:** MM/DD/YYYY or YYYY-MM-DD
- **Values:** Valid date

**endDate:**
- **Required:** No
- **Data Type:** Date
- **Format:** MM/DD/YYYY or YYYY-MM-DD
- **Values:** Valid date

**dateType:**
- **Required:** No
- **Data Type:** String
- **Values:** trade, maturity
- **Note:** Default is trade if not specified

**counterparties:**
- **Required:** No
- **Data Type:** String
- **Values:** Characters (partial name accepted)

**Response**
A list of FX liquidity swap records returned in the requested format.

**Example**
- [https://markets.newyorkfed.org/api/fxs/all/search.xml?startDate=02/19/2021](https://markets.newyorkfed.org/api/fxs/all/search.xml?startDate=02/19/2021)
- [https://markets.newyorkfed.org/api/fxs/usdollar/search.xml?startDate=02/19/2021&endDate=05/25/2021&type=maturity&counterparties=National](https://markets.newyorkfed.org/api/fxs/usdollar/search.xml?startDate=02/19/2021&endDate=05/25/2021&type=maturity&counterparties=National)
- [https://markets.newyorkfed.org/api/fxs/nonusdollar/search.xml?startDate=02/19/2020&endDate=03/01/2021&counterparties=Bank%20of%20Japan,Bank%20of%20Canada](https://markets.newyorkfed.org/api/fxs/nonusdollar/search.xml?startDate=02/19/2020&endDate=03/01/2021&counterparties=Bank%20of%20Japan,Bank%20of%20Canada)

**fxs/list/counterparties.[FORMAT]**

**Description**
Return list of FX Liquidity Swap counterparties as specified in the path and format requested.

**Parameters**

**FORMAT**
- **Required:** YES
- **Data Type:** FORMAT
- **Values:** csv, xlsx, xml, json
Response
A list of FX liquidity swap counterparties returned in the requested format.

Example
- [https://markets.newyorkfed.org/api/fxs/list/counterparties.xml](https://markets.newyorkfed.org/api/fxs/list/counterparties.xml)
SOAP:

Repo and Reverse Repo Methods (Support ends September 2021)

getLatestTomo
Description
Provides the latest Repo/Reverse Repo operation

Parameters
(NONE)

Response
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.

getTomo
Description
Provides Repo/Reverse Repo operations between two dates (inclusive)

Parameters

Date1
Required: YES
Data Type: xsd:datetime

Date2
Required: YES
Data Type: xsd:datetime

Response
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.

getTomoUpdates
Description
Provides Repo/Reverse Repo operations after the time specified

Parameters

startTime
Required: YES
Data Type: xsd:datetime
**Response**

A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.

---

**getLastNTomo**

**Description**

Provides the last N Repo/Reverse Repo operations where N is the number of operations.

**Parameters**

- **n**
  - Required: YES
  - Data Type: xsd:double

---

**Response**

A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.
Securities Lending Methods

getLatestSecuritiesLending
Description
Provides the latest operation

Parameters
totals_or_details
  Required: YES
  Data Type: xsd:string

Response
  A String containing an SDMXML Response. The SDMXML response contains the operation
detail requested.

getSecuritiesLending
Description
Provides operations between two dates (inclusive). The date range cannot exceed one year.

Parameters
totals_or_details
  Required: YES
  Data Type: xsd:string

Date1
  Required: YES
  Data Type: xsd:datetime

Date2
  Required: YES
  Data Type: xsd:datetime

Response
  A String containing an SDMXML Response or a SOAP fault containing the following error
message, ‘Date Range cannot exceed 1 year’ if the date range exceeds one year. The SDMXML
response contains the operation detail requested.

getLastNSecuritiesLending
Description
Provides the last N operations where N is the number of operations
Parameters

totals_or_details
  Required: YES
  Data Type: xsd:string

n
  Required: YES
  Data Type: xsd:double

Response
  A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.

getSecuritiesLendingUpdates

Description
  Provides the updated securities lending information since a specified date

Parameters

totals_or_details
  Required: YES
  Data Type: xsd:string

startTime
  Required: YES
  Data Type: xsd:datetime

Response
  A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.
TSLF Methods

getLatestTSLF
Description
Provides the latest operation

Parameters
None

Response
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.

getTSLF
Description
Provides operations between two dates (inclusive)

Parameters
Date1
- Required: YES
- Data Type: xsd:datetime

Date2
- Required: YES
- Data Type: xsd:datetime

Response
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.

g getLastNTSLF
Description
Provides the last N operations where N is the number of operations

Parameters
n
- Required: YES
- Data Type: xsd:double
Response
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.

**getTSLFUpdates**
**Description**
Provides the updated operation information since a specified date

**Parameters**
**startTime**
- Required: YES
- Data Type: xsd:datetime

Response
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.

**getTSLFOneDate**
**Description**
Provides the operation information for a specified date

**Parameters**
**startTime**
- Required: YES
- Data Type: xsd:datetime

Response
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.
**CPFF Methods**

*getLatestCPFF*

**Description**
Provides the latest operation

**Parameters**

None

**Response**
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.

*getCPFF*

**Description**
Provides operations between two dates (inclusive)

**Parameters**

- **Date1**
  - Required: YES
  - Data Type: xsd:datetime

- **Date2**
  - Required: YES
  - Data Type: xsd:datetime

**Response**
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.

*getLastNCPFF*

**Description**
Provides the last N operations where N is the number of operations

**Parameters**

- **n**
  - Required: YES
  - Data Type: xsd:double
Response
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.

text

getCPFFOneDate
Description
Provides the operation information for a specified date

Parameters
startTime
  Required: YES
  Data Type: xsd:datetime

Response
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.
FX-Rates Methods

getAllLatestNoonRates
Description
Provides the latest noon rates

Parameters
None

Response
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.

getLatestNoonRate
Description
Provides the noon rate for a specific day and currency

Parameters
date1
  Required: YES
  Data Type: xsd:datetime

currency_code
  Required: YES
  Data Type: xsd:string

Response
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.

getNoonRates
Description
Provides the noon rates for a specific date range and currency

Parameters
date1
  Required: YES
  Data Type: xsd:datetime
**date2**
- Required: YES
- Data Type: xsd:datetime

**currency_code**
- Required: YES
- Data Type: xsd:string

**Response**
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.

---

**getAllNoonRates**

**Description**
Provides the noon rates for a specific day

**Parameters**

**date1**
- Required: YES
- Data Type: xsd:datetime

**Response**
A String containing an SDMXML Response. The SDMXML response contains the operation detail requested.
## Version History

<table>
<thead>
<tr>
<th>Document Number</th>
<th>Date</th>
<th>Change Made</th>
</tr>
</thead>
<tbody>
<tr>
<td>v19, API RST v1.4, SPv2.0</td>
<td>Pre-2018</td>
<td>Autorates/MOMA release information including: Repo/Reverse Repo, Securities Lending, TSLF, CPFF, FX-Rates, SOMA, POMO, EFFR, and OBFR interfaces.</td>
</tr>
<tr>
<td>v22, API RST V1.4, SPv2.3</td>
<td>4/3/2018</td>
<td>Updated with Treasury Repo Benchmark Rates release information.</td>
</tr>
<tr>
<td>v22, API RST V1.5, SPv2.3</td>
<td>1/28/2020</td>
<td>Updated with SOFR Averages and Index release information</td>
</tr>
<tr>
<td>v22, API RST V2.0, SPv2.3</td>
<td>10/14/2020</td>
<td>Added AMBS POMO change to TSY Updated existing SOMA and Primary Dealer Statistics Added Beta</td>
</tr>
<tr>
<td>v23, API RST V2.1, SPv2.3</td>
<td>1/04/2021</td>
<td>Added Roll and Swap operations for AMBS Add xml format for TSY Deprecation notification of sdm.xml</td>
</tr>
<tr>
<td>v24, API RST V2.2, SPv2.3</td>
<td>3/15/2021</td>
<td>Replacement notice for Reference Rate APIs Methods Added new beta APIs for Reference Rates Add last n API for AMBS Deprecation notice for RSS feeds Deprecation notice for SOMA MBS Methods Deprecation notice for SOMA Non-MBS Methods</td>
</tr>
<tr>
<td>v25, API RST V2.3, SPv2.3</td>
<td>4/16/2021</td>
<td>Language around Terms of Use Edits to reflect changes implemented</td>
</tr>
<tr>
<td>v26, API RST V2.4, SPv2.3</td>
<td>5/25/2021</td>
<td>Replacement notice for Central Bank FX Liquidity Swap API and data files Added new beta APIs for Central Bank FX Liquidity Swap</td>
</tr>
<tr>
<td>v26, API RST V2.5, SPv2.3</td>
<td>7/30/2021</td>
<td>Replaced example APIs for Central Bank FX Liquidity Swap</td>
</tr>
<tr>
<td>V27,API RST V2.6, SPv2.4</td>
<td>8/17/2021</td>
<td>Replacement notice for Repo and Reverse Repo (TOMO) APIs Methods Added new beta APIs for Repo and Reverse Repo (TOMO) Added new agency and treasury WAM APIs</td>
</tr>
</tbody>
</table>