REFINITIV

DATASCOPE SELECT

USER GUIDE – RELEASE 15.2

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Contents

About this Guide

In this Chapter:

Refinitiv DataScope Select is a hosted data extraction platform that provides access to global pricing, validated terms and conditions, historical data content, corporate actions, cross-reference data, and legal entity data. Supported instruments include equities, funds, derivatives, money/foreign exchange, warrants, fixed income securities, commodities data and sell-side estimates, as well as user-defined instruments (Credit Default Swaps, Interest Rate Swaps and Over-The-Counter Equity Options).

DataScope Select is presented across two offerings: Custom Solutions and Standard Solutions. The Custom Solutions offering identifies all functions for creating and scheduling extractions and searching and viewing content. The Standard Solutions offering provides bulk capability for delivering packaged content sets from a single site.

This guide gets you started using the DataScope Select browser-based interface and takes you through the process of creating and scheduling extractions, searching and viewing details, and tracking extraction usage. See the *Refinitiv DataScope Select FTP User Guide*, the *Refinitiv DataScope Select SOAP API Programmer Guides*, and the *REST API Help* (available online via the DataScope Select Help menu) for instructions on using DataScope Select via the FTP and API platforms. It also introduces DataScope Select Standard Solutions and describes the available subscriptions and provides information on the available feeds files.

Details on using the Tick History and DataScope Plus products via the DataScope Select platform are provided in separate documents that are available on MyRefinitiv.

How to Use this Guide

This guide is organized as follows:

- About Refinitiv DataScope Select Custom Solutions
- Getting Started
- Creating Input Lists for Extraction
- Defining Report Templates
- Scheduling Extraction Executions
- Retrieving Extracted Files
- Understanding Extraction Output
- Searching & Viewing Details
- Understanding Usage Reports
- Submitting Price Challenges & Price Requests
- Refinitiv DataScope Select Standard Solutions

Related Documentation

The complete DataScope Select documentation set is available on the DataScope Select product page via MyRefinitiv.

The DataScope Select documentation set includes:

- Quick Start Guide

  Gets you started using the DataScope Select user interface and provides a high-level overview of the extraction creation process. This document is intended for users who are new to DataScope Select.

- Data Content Guide

  Provides definitions, data types, and maximum field widths for all data fields available for extraction. Fields are presented by report template type in Excel format, which allows for easy viewing, filtering, and integration into your own internal systems.

- FTP User Guide

  Describes the DataScope Select FTP Hosted Service and provides instructions for creating the report request file required for transferring input lists, report templates, and schedules.

- REST API Help

  Rest API Help enables you to explore the API Reference Tree for the most detailed API documentation, supplemented by working C# and HTTP code examples and thorough explanations of key REST API processing principles. REST API Help is available via the DataScope Select **Help** menu.

Service and Support

The Refinitiv Statement of Service is available on MyRefinitiv. MyRefinitiv is the Refinitiv portal that provides a single access point for timesaving support services, along with billing, user management, and information. For support using DataScope Select, please raise a query by accessing Help & Support at MyRefinitiv. You are encouraged to subscribe to the following support channels to keep informed of changes to products and data, and to be notified of any service issues or changes:

- **Change Notifications**
  - **Product** change notifications detail new, enhanced, or changed functionality, which may require your action, in products that you use.
  - **Content** change notifications alert you to upcoming changes to real-time and historical data across all asset classes that are relevant to you.
  - **RIC** change notifications inform you of planned changes to Refinitiv Identification Codes.
- **Service Alerts**

  You can subscribe to alerts about planned maintenance and unplanned service issues affecting your products and services and be notified via SMS or email.

Feedback

We invite your comments, corrections, and suggestions about this document: access the Feedback option under Help & Support at MyRefinitiv. Your feedback helps us continue to improve our user assistance.

Your Personal Information

Refinitiv is committed to the responsible handling and protection of personal information. We invite you to review our Privacy Statement, which describes how we collect, use, disclose, transfer, and store personal information when needed to provide our services and for our operational and business purposes.

1 About Refinitiv DataScope Select Custom Solutions

In this Chapter:

This chapter introduces Refinitiv DataScope Select Custom Solutions and describes its features and user types. An overview of the extraction process is provided, along with general information about extraction files.

Features at a Glance

Refinitiv DataScope Select Features	REST API	GUI	FTP
Instruments & Entities			
• Generate instrument & entity lists	✓	✓	✓
• Define criteria used as input for extraction	✓	✓	
• Create CDS, IRS & Equity Option user instruments		✓	✓
• Import/export XML & CSV formatted input lists	✓	✓	✓
Extraction Coverage (Report Templates)			
Pricing			
• Commodities Corrections History	✓	✓	✓
• EOD Pricing	✓	✓	✓
• Intraday Pricing	✓	✓	✓
• Premium EOD Pricing	✓	✓	✓
• Premium Pricing	✓	✓	✓
• Price History	✓	✓	✓
Analytics			
• Fixed Income Analytics	✓	✓	✓
• Technical Indicators	✓	✓	✓
• StarMine	✓	✓	✓
Corporate Actions			
• Standard Events	✓	✓	✓
• IPO Events	✓	✓	✓
• 15022 Events	✓	✓	✓

Refinitiv DataScope Select Features	REST API	GUI	FTP
Entity Data			
• Audit	✓	✓	✓
• Details	✓	✓	✓
• Hierarchy	✓	✓	✓
Estimates			
• Summary Estimates	✓	✓	✓
• Actuals Estimates	✓	✓	✓
• Detail Estimates	✓	✓	✓
• Company Level Footnotes	✓	✓	✓
• Detail Level Footnotes	✓	✓	✓
News			
• News Items	✓	✓	✓
Pricing and Reference Data			
• Composite	✓	✓	✓
Reference Data			
• Bond Schedules	✓	✓	✓
• MBS Factor History	✓	✓	✓
• Tranche Factor History	✓	✓	✓
• Fund Allocation	✓	✓	✓
• Ownership – Owners	✓	✓	✓
• Ratings	✓	✓	✓
• Symbol Cross Reference	✓	✓	✓
• Terms and Conditions	✓	✓	✓

Refinitiv DataScope Select Features	REST API	GUI	FTP
Report Format			
• Select & format fields	✓	✓	✓
• Define file & compression format	✓	✓	✓
• Define FTP automated or manual delivery	✓	✓	✓
• Define optional headers & trailers	✓	✓	✓
• Import/export XML formatted report templates	✓	✓	✓
Extraction Execution			
• Schedule immediate extractions	✓	✓	✓
• Schedule extraction execution for a future date (run-once or recurring)	✓	✓	✓
• Initiate extraction at a specified time or pricing trigger	✓	✓	✓
• Retrieve optional reports (early, non-embargoed data & RIC maintenance)	✓	✓	✓
Search			
• Perform identifier-based searches	✓	✓	✓
• Construct criteria-based searches	✓	✓	
• View instrument/entity pricing & reference details		✓	
• **Usage**			
• Track instrument & entity extraction/rental usage	✓	✓	
Evaluation Connect			
• Create & submit single bond price challenges	✓	✓	
• Submitting batch challenges		✓	
• Tracking price challenges	✓	✓	
• View & export statistic reports	✓	✓	
• Request pricing for unpriced securities	✓	✓	

Extraction Coverage

Commodities

Commodities data is available for viewing and extracting pricing and reference data in **Composite**, **EOD Pricing**, **Intraday Pricing**, **Premium EOD Pricing, Price History** and **Terms and Conditions** reports. This offering provides access to over 105,000 active instruments covering commodity asset and supply chain information for agriculture, energy and metals markets.

The **Commodities Corrections History** report is available for retrieving historical corrections for specialist commodities content. Commodities Corrections History supports the retrieval of up to 12 months of rolling history based on a defined query. Corrections history includes field type, original assessment values and dates, and corrected values and dates. Additional fields, including identifiers and terms and conditions, are also available.

Commodities data is available from a variety of specialists, including Argus, ICIS, OPIS, Platts RIM,. Wood Mackenzie, among others. These specialists offer independent benchmark price assessments for short- and long-term action and analysis. This data is available by subscription and offered across a variety of package options. Please contact your local account manager or sales specialist for details.

Corporate Actions

DataScope Select provides standard corporate actions data on over 95,000 companies from over 145 countries, listed on more than 200 exchanges globally. Supported events and coverage include:

Event	Description
Capital Changes	Coverage includes Stock Distributions (Rights Issues, Bonus Issues, Splits, Demergers and other capital restructures) and Cash Events (Return of Capital, Share Buybacks). You can retrieve the events by Announcement Date, Deal Date, Effective Date, Ex Date and Record Date
Dividends	Coverage comprises Regular, Special and Extraordinary Distributions (including cash dividends, dividend reinvestments, dividends with stock options, capital gains payments as well as stock dividends) with relevant tax details, such as withholding tax, QDI, franked rates. You can retrieve the events by Announcement Date, End Date, Ex Date and Pay Date, and Record Date.
Earnings	Coverage includes Year to date and interim results, as well as As-reported and annualized figures. You can retrieve the data by Announcement Date and Period End Date.
Equity Offerings	Coverage comprises IPO data. You can retrieve the data for All Pending Deals or by First Trading Date.
Mergers & Acquisitions	Coverage includes Mergers of Equals, Open Market Purchases, Tender Offers, Strategic Investments, Joint Ventures, Venture Capital, Reverse Takeovers, Asset Acquisitions and Consolidations for Public Target companies. You can retrieve the

Event	Description
	data by Announcement Date, Cancel Date, Close Date, Effective Date, Revised Proposal Date, and Tender Offer Date.
Nominal Value	You can retrieve nominal value amount and currency by Nominal Value Date.
Shares	Coverage includes the default share amount type and/or multiple types, including Outstanding, Issued, Listed, Closely Held, Treasury, Authorized and Unclassified. You can retrieve the number of shares by Shares Amount Date.
Voting Rights	You can retrieve the voting rights per share by Voting Rights Date.

Please see the *Refinitiv DataScope Select ISO 15022 Events User Guide* for details on Refinitiv's ISO 15022 Service.

Estimates Data

The I/B/E/S service provides expected and reported earnings of global corporations across a variety of financial measures. This service gathers data from contributors that collectively follow active public companies worldwide and process estimate updates.

DataScope Select offers four reports for retrieving estimates data: **Summary Estimates**, **Actuals Estimates**, **Detail Estimates**, **Detail Level Footnotes** and **Company Level Footnotes**.

For all report types except **Company Level Footnotes**, you can select the types of estimates to retrieve, detailed below. All estimate types are available for **Summary Estimates** and **Details Estimates**. All but Price Target and Recommendation are available for **Actuals Estimates** and **Detail Level Footnotes**. Estimate types are not reported for **Company-Level Footnotes**.

Estimate Type	Description
BPS – Book Value per Share	A company's common stock equity as it appears on a balance sheet equal to total assets minus liabilities, preferred stock, and intangible assets such as goodwill, divided by the weighted average number of total shares outstanding for the year.
CPS – Cash Flow per Share	A corporation's cash flow from operations, before investing and financing activities, divided by the weighted average number of common shares outstanding for the year.
CPX – Capital Expenditure	Identifies funds used by a company to acquire or upgrade physical assets or the amount used during a particular period to acquire or improve long-term assets such as property, plant, or equipment.
CSH – Cash Earnings per Share	A company's net income, plus depreciation, amortization of goodwill, intangibles, and prepaid assets (non-cash items); divided by weighted average number of shares outstanding.
DPS – Dividend per Share	A corporation's common stock dividends on an annualized basis, divided by the weighted average number of common shares outstanding for the year.

Estimate Type	Description
EBG – Earnings per Share Before Goodwill	A corporation's net income from continuing operations before goodwill amortization divided by the weighted average number of shares outstanding.
EBI-EBIT – Earnings Before Interest and Taxes (Non per Share)	A company's earnings before interest expense and income taxes paid.
EBS-EBITDA per Share	Identifies EBITDA divided by the weighted average number of shares outstanding.
EBT-EBITDA (Non per Share)	The raw earnings power of a company before debt servicing, corporate taxes, and any allowances made for depreciation and amortization costs the company faces.
ENT – Enterprise Value	Calculated as market capitalization plus debt, minority interest and preferred shares, minus total cash and cash equivalents.
EPS – Earnings per Share	EPS that the contributing analyst considers to be that with which to value a security.
EPX – Earnings per Share – Alternate	A corporation's net income from continuing operations, divided by the weighted average number of shares outstanding.
FFO – Funds from Operations per Share	A measure used by real estate and other investment trusts to define the cash flow from trust operations.
GPS – GAAP/Earnings per Share - Fully Reported	Statutory or reported earnings per share, defined as net profit (on continuous activities) divided by the weighted average number of shares outstanding during the period.
GRM – Gross Margin	A company's total sales revenue minus cost of goods sold, divided by the total sales revenue, expressed as a percentage.
NAV – Net Asset Value (Non per Share)	The total book value of a company's securities, calculated in general form by taking the total assets of a company and subtracting the value of the company's intangible assets (goodwill, patents, etc.) minus current and long-term liabilities.
NDT – Net Debt	Calculated as short and long term interest bearing debt minus cash (and equivalents).
NET Income – (Non per Share)	A corporation's after-tax income. This item varies significantly from market to market as regards the inclusion or exclusion of non-recurring items.
OPR – Operating Profit (Non per Share)	The difference between a company's revenues and its costs and expenditures arising directly out of a company's regular operations.
PRE – Pre-tax Profit (Non per Share)	Profit before taxes is net income before tax expense.
PTG – Price Target	The projected price level forecasted by the analyst within a specific time horizon.

Estimate Type	Description
REC – Recommendation	The recommendation value reflects the contributing analyst's rating for a particular company.
ROA – Return On Asset (Percent)	A company's operating efficiency regardless of its financial structure (in particular, without regard to the degree of leverage a company uses).
ROE – Return on Equity	Return on Equity is another profitability ratio, which gauges return on investment by measuring how effectually the company is employing stockholder money.
Revenue (Sales)	The Revenue measure is a corporation's net revenue, generally derived from core business activities.

Factor History

You can extract complete factor histories for CMO tranches or MBS instruments via the **Factor History** report.

You can define your **Factor History** report to retrieve either **MBS Factor History** (default) or **Tranche Factor History**. MBS Factor History retrieves the instrument's current unpaid balances as a percentage of the original principal amount of the pool, while Tranche Factor History retrieves the instrument's tranche factors as a whole. Note that the two options cannot be combined in a single extraction.

Fund Allocations

The **Fund Allocation** report identifies allocations of Lipper Funds across the following schemes: Asset, Currency, Holdings Top 10, Industry Sector and Investment Country. Scheme allocations for supported funds are expressed as a percentage, and then ranked as of the posting date on which the holdings data was added to the Lipper Fund database. Full Holdings and Full Holdings with Ratings are also available for permissioned clients via the GUI and FTP platforms only.

Refinitiv gathers holdings contributed by fund management companies and prospectuses. New data is monitored and populated continuously with updates occurring as often as provided by the fund

Legal Entities

The Legal Entity database provides access to global content across nearly 250 markets with coverage on over one million verified/managed entities, including corporate (public and private), regulated, fund and public entities, such as municipalities. Entities are uniquely linked to pricing and reference data across an organization, as well as other essential data such as corporate actions and terms and conditions.

Legal Entity coverage includes core data attributes linked by a primary identifier, including company reference data (e.g., registration information and jurisdiction data), compliance and regulatory IDs that provide information about legal permissions to run operations, and entity hierarchy data. Supporting source information also is provided for core data attributes. Source types include regulatory filings, regulators and exchange information.

DataScope Select lets you specify in your user preferences whether you want to expose all entities upon import, extraction and search or limit the entity offering to managed companies only.

Verified & Managed Entities

Legal entity records are identified with two flags to indicate their statuses: Verified and Managed. Verified entities have been manually confirmed on primary and secondary source documents, including audit sources. Managed entities are actively maintained by Refinitiv on a regular basis.

All verified entities are part of the Refinitiv managed universe. However, once the entity becomes inactive, it is no longer maintained. Refinitiv does not actively maintain or enhance data for any third-party owned entities. It is important to understand how legal entities qualify in DataScope Select as their statuses determine extraction usage and rental reporting. Only verified records count towards usage and rental.

Fund-Level Data

DataScope Select's legal entity content offering includes fund-level descriptive data (addresses, legal form, etc.) and fund relationships (Custodian, Advisor, Sub-Advisor, etc.). This content is available for extraction via **Legal Entity Detail** reports, as well as for viewing via the **Entities** search screen. Access to fund-level descriptive data and relationships is available via the GUI platform only to clients who subscribe to the legal entity content offering. No additional permissions are required for accessing this content. Please contact your local account manager or sales specialist for more information.

Ownership

Fund-Level Data

Ownership data for global equity instruments provides current institutional holdings data on 13F institutions, mutual, pension and insurance funds, declarable stakeholders and U.K. share registers. This comprehensive data is intended for sell-side, buy-side, and corporate clients to identify security holdings and possession across 70+ countries with more than 147,000 investment personnel at over 17,000 firms worldwide.

News Items

The **News Items** report supports viewing and extraction of current and historical story bodies from Reuters and global third-party sources published in a variety of languages. Instrument-less **News Items** extractions are also supported. In this instance, the criteria defined in your report template are used as input for extracting news. Access to third-party content news via **News Items** reports requires additional permissions from Refinitiv. Please contact your local account manager or sales specialist for information.

NOTE: The availability of news content in extractions is subject to a 1-1.5 hour delay due to compliance. The availability of this content could be longer, depending on the extraction processing time.

Pricing

DataScope Select offers the following pricing data:

- **EOD Pricing** reports provide initial and validated end of day prices for all exchange-traded instruments from the real-time network. Non-exchange-traded instruments are sourced from Refinitiv Evaluated Pricing Service, as well as from various contributors.
- **Intraday Pricing** reports provide intraday pricing from the real-time network, as well as from various contributors. Reuters Polls and economic data is also available from this report. Reuters Polls includes economic data, central bank policy rates, foreign exchange polls and money market/bond yield polls.

- **Premium EOD Pricing** reports provide Refinitiv validated premium end of day snapshot at optimal retrieve times to ensure the delivery of the “best” official close prices for global equity, futures & options, money/foreign exchange and fixed income instruments.
- **Premium Pricing** reports provide evaluated pricing from Refinitiv Evaluated Pricing Service, an independent, global evaluated pricing source covering fixed income securities, derivatives and bank loans. Coverage spans all major financial markets and prices are available at multiple times daily.
- **Price History** & **Single Price History** reports provide historical pricing from as far back as 1980.

Pricing & Reference Data

Composite extractions combine pricing, reference, technical indicators, and corporate actions data in a single report template. This report combines fields from the End of Day Pricing and Terms and Conditions reports, as well as certain key Corporate Actions and Technical Indicator fields and report-specific fields for extraction.

Ratings

The **Ratings** report lets you retrieve current and historical ratings data provided by active ratings sources for global government/corporate, collateralized mortgage obligations (CMO), asset-back securities (ABS) and US municipal bonds. Ratings for issuers of securities (excluding CMO/ABS) are also available.

This report expands upon the **Terms and Condition** ratings offering to provide detailed data from active ratings providers with, for some securities, approximately 30 years of historical ratings data available. It is intended to assist fund administrators in tracking local credit ratings globally.

Ratings reports can be used with both instrument and entity lists. Entity lists can be used for retrieving issuer-level ratings only.

StarMine

StarMine report template supports extractions of credit risk data for global equity/ordinary share instruments that relate directly to entities. This report is intended for Fund Administrators and Custodians who manage and report risk on the securities held in their portfolios, regardless of whether the corresponding companies have credit ratings from the traditional credit ratings agencies.

Data from the following credit risk models published by StarMine is available each trading day following the market close in the Asia, EMEA and AMERS regions:

SmartRatios

The StarMine SmartRatios Credit Risk Model utilizes accounting ratio analysis, incorporating data from both reported financial statements and forward-looking analyst estimates via the StarMine SmartEstimate. The model combines financial ratios and metrics that are predictive of credit risk into five components: profitability, leverage, debt coverage, liquidity, and growth. The model also incorporates industry-specific metrics where appropriate, particularly for banks and insurance companies but also for retailers, utilities, airlines, and others.

The model output includes 1-100 scores for each of the five components, default probabilities, overall 1-100 percentile scores, and letter ratings. The SmartRatios model is more effective at predicting defaults than commonly used alternatives, such as the Altman Z-score or the Ohlson O-score. The model can also be used to enhance equity selection performance, and in fixed income and cross-asset strategies.

Text Mining

This unique component of StarMine Credit Risk applies sophisticated text mining algorithms to StreetEvents earnings conference call transcripts, financial statements and other regulatory filings, Reuters News, and select broker research reports to identify language that is predictive of credit risk.

The model allows analysts to quickly identify the most important documents for a company out of the potentially hundreds they may be responsible for, and it gives quants a powerful new quantitative signal by systematically analyzing a large body of previously untapped qualitative data.

Structural Credit Risk

The StarMine Structural Credit Risk Model evaluates the equity market's view of the probability that a company will go bankrupt or default on its debt obligations over the next one-year period. The model is StarMine's proprietary extension of the structural default prediction framework introduced by Robert Merton that models a company's equity as a call option on its assets.

The equity volatility, market value of equity, and liability structure are used to infer a market value and volatility of assets. The final default probability is equivalent to the probability that the market value of assets will fall below a default point, which is a function of the company's liabilities, within one year. The model output includes default probabilities, 1-100 percentile scores, and letter ratings.

Combined Credit Risk

The StarMine Combined Credit Risk Model (CCR) is StarMine's best estimate of credit risk at the company level that incorporates information from the StarMine Structural, SmartRatios, and Text Mining Credit Risk models into one final estimate of corporate credit risk.

By incorporating information from multiple independent data sources – from the equity market, from analyst estimates and financials, and from analysis of the language in important textual documents – and placing the most emphasis on the inputs that are most effective for a given company, StarMine CCR creates powerful default predictions and assessments of credit risk that are more accurate than using any one data source alone.

Technical Indicators

The **Technical Indicators** report template combines price volume analytics with correlating reference data, allowing you to enhance predictive modeling capabilities for equity instruments. Technical Indicators include average volume, price change, historical volatility calculations, moving averages and price-momentum signals. Each represents market price reactions that capture information relevant for forecasting market returns. Technical Indicators are sourced from a new Pricing Volume Analytics (PVA) database that provides global coverage equities, including stocks, ADRs, GDRs.

Two technical indicator types are available for extraction: **Core Analytics** and **Relative Analytics**. Both analytic sets are calculated off end of day prices. **Core Analytics** are calculated for a base instrument (for example, Average Volume for a base instrument); while calculations for **Relative Analytics** are dependent on a benchmark RIC (for example, the percent change price, or the base instrument close price relative to the benchmark RIC). Trigger capabilities are also supported for executing your **Technical Indicators** extraction as a result of the release of core or relative analytics for the trading day. Because benchmark data is always published after base instrument data, we recommended that you create separate reports for extracting **Core** and **Relative** analytics.

Core & Relative Analytics

DataScope Select supports the following technical indicators. **Relative Percent Change – Close Price** are applicable to **Relative Analytics**, while all others are applicable to **Core Analytics**. Each technical indicator below can be accessed for a specified period.

For example, you can retrieve **Average Volume** for the previous 10, 20, 30 days, etc.

Technical Indicators	
Alpha	Average Volume
Beta	Moving Average Close Price
Moving Average Net Change – Close Price	Moving Average Percent Change – Close Price
Net Change – Close Price	Percent Change – Cloe Price
Relative Percent Change – Close Price	Sharpe Ratio
Volatility	

Terms and Conditions

Full terms and conditions data, including ratings and descriptive content are provided via **Terms and Conditions** extractions. All terms and conditions data is validated by Refinitiv.

Symbol Cross Reference Data

Symbol Cross Reference extractions provide extensive instrument identification and industry classification systems for all identifier types including RICs.

Extraction Files

An extraction consists of an input file, report template and schedule.

Extraction File	Description
Input List	Identifies the instruments or entities to include in an extraction. Created from **Search** or via a CSV or XML import file. Not applicable for Corporate Actions – IPO Events and “RIC-less” News extractions.
Criteria List	Defines the criteria that are used as input for the extraction. Available for retrieving end of day prices and terms and conditions for global bank loans, DTCC instruments, and commodities. Each time your extraction executes, the criteria are run to provide the most current set of instruments available at that time.
Report Template	Defines the report type, output format and delivery, output fields and field formats. Supported output formats are CSV, XML, and Delimited. Extraction output can be compressed in ZIP and GZIP formats and retrieved manually from the user interface or via FTP.
Schedule	Identifies the extraction execution type: • **New Schedule** – Extraction is scheduled to run once, at some future point, or on a recurring basis (daily, weekly, or monthly). • **New Immediate Schedule** – Schedule is added to the extraction queue immediately, usually within 10 seconds of request. Completion time is dependent on the extraction type, the amount of data being requested and the data load on DataScope Select at the time of the extraction request. Created in the DataScope Select user interface or via an XML import file.

Extraction Policies

Importing Instruments into Input Lists

- Limited to maximum of 85,000 instrument identifiers. Identifiers are imported before being validated to account for duplicate and invalid identifiers, etc. as defined in your **Preferences**.
- The first 75,000 validated identifiers are added to the input list. Any remaining identifiers are excluded. File Codes and Chains do not expand upon import. Only the File Code or Chain itself is validated; not the File Code or Chain's constituents. These records expand upon extraction.
- Up to 50,000 entity identifiers can be imported into an entity list.

Processing Instruments & Entities by Report Type

The number of instruments and entities that can be processed in an extraction request via the GUI, FTP and REST API platforms are identified below by report type. Limits for File Codes and Chains both before and after expansion are shown. File Codes and Chains are expanded upon extraction only. A row of data will be returned for each expanded instrument in the File Code or Chain, up to the expansion limit.

Pricing & Reference Data

- **Composite:** 60,000 instruments before expansion; 150,000 instruments after expansion.

Pricing

- **Commodities Corrections History:** 50,000 instruments.
- **EOD Pricing:** 75,000 instruments before expansion; 250,000 instruments before and after expansion.
- **Intraday Pricing:** 50,000 instruments.
- **Premium EOD Pricing:** 50,000 instruments.
- **Premium Pricing:** 50,000 instruments.
- **Price History:** 10,000 instruments; **Single Price History:** 50,000 instruments

Reference Data

- **Bond Schedules:** 150,000 instruments.
- **Fund Allocation:** 1000 instruments.
- **MBS-Factor History:** 20,000 instruments.
- **Ownership:** 500 instruments.
- **Ratings:** 50,000 instruments before expansion; 150,000 instruments after expansion; 1,000 legal entities before and after expansion.
- **Symbol Cross Reference:** 250,000 instruments before and after expansion.
- **Terms and Conditions:** 250,000 instruments before and after expansion; 1,000 legal entities before expansion;
- **Tranche-Factor History:** 3,000 instruments.

Corporate Actions

- **Standard Events:** 50,000 instruments before expansion; 150,000 instruments after expansion.
- **IPO Events:** 50,000 instruments before expansion; 150,000 instruments after expansion.
- **ISO 15022:** 50,000 instruments before expansion; 150,000 instruments after expansion.

Entity Data

- **Entity Audit:** 10,000 rows of entity data.
- **Entity Detail:** 50,000 rows of entity data.
- **Entity Hierarchy:** 2,000 rows of entity data.

Estimates Data

- **Actual Estimates:** 3,000 instruments.
- **Detail Estimates:** 3,000 instruments.
- **Summary Estimates:** 3,000 instruments.
- **Company Level Footnotes:** 3,000 instruments.
- **Details Level Footnotes:** 3,000 instruments.

News Items

- **News Items:** Dependent on the number of days to retrieve news data:
  - 0-7 Days – 50,000 instruments
  - 8-31 Days – 25,000 instruments
  - 32-366 Days – 10,000 instruments
  - 367+ Days – 5,000 instruments
  - The maximum number of records that can be returned for RIC-less extractions for **News Items** is 400,000.

Analytics Data

- **Fixed Income Analytics:** 50,000 instruments.
- **StarMine:** 50,000 instruments.
- **Technical Indicators:** 50,000 instruments.

Processing Extraction Requests

To support consistent performance and optimize response times for the most clients, DataScope Select applies request execution limits and queuing on a per- report basis, which allows for more granular resource balancing.

The limits are:

- **50** concurrent extraction requests per user per report for each of the following reports: **Bond Schedules, Commodities Corrections History**, **Fund Allocation**, **News Items**, **Ownership, Price History**, **StarMine, Symbol Cross Reference** and **Technical Indicators**.

  User extraction requests for the reports above are processed two at a time. The remaining user extraction requests remain in a **Queued** status. Once the two extractions complete, the next two will be processed, and so on, until all requests are completed.

- **500** concurrent extraction requests per user for **Intraday Pricing** reports.

  Intraday Pricing extraction requests are processed 50 at a time per user account.

- If other users submit requests against that report shortly after the first user, the queuing fairness algorithm ensures that the report executes requests for a mix of users, but still weights the mix of jobs to reflect the earlier submission time of the first user's requests.

Extraction File Size

- Extraction output file names are limited to 128 supported characters.
- Largest file that can be processed is approximately 2 Gigabytes (GB). Extraction processing stops automatically when the file size reaches 2 GB.
- Extraction notes file is generated that identifies that the extraction failed due to the file size, along with the date and time of the failure.

Extraction Storage

- The maximum number of extractions that can be stored in your account at any one time is 1000 extractions.
- Limit is enforced via a background process that runs every calendar day at 00:00 UTC. Process deletes extractions with an execution date greater than 24-hours, starting with the oldest file first. Extractions less than 1 day old are skipped and not part of the process.
- All extractions older than 45 calendar days are automatically deleted from the DataScope Select database. Please download your extraction files upon receipt. **DataScope Select should not be as an archiving repository.**
- Please see the *Refinitiv DataScope Select FTP User Guide* for policies on using the FTP Server for extraction file transfer and retrieval.

Automatic Deletions of Unused Input List, Report Template & Schedules

- DataScope Select limits the number of unused input lists (instrument, entity and criteria lists), report templates and schedules to a maximum of 100 files each per file type (that is, 100 instrument lists, 100 entity lists, 100 criteria lists, 100 report templates and 100 schedules). This rule applies to input lists, reports and schedules older than seven days.
- The automated removal process runs each Saturday, beginning at approximately 00:00 UTC (7:00 PM EST). When the 100-file limit is exceeded, the process deletes input lists, report templates and schedules with a last update date greater than seven days, starting with the oldest file first and deleting all applicable files until the maximum number of unused files for each file type reaches 100.
- Input lists, report and schedules that are less than seven days old are not part of this process, nor are input lists and report tied to a recurring schedule or future one-time schedule. Because of these exceptions, it is possible to have more than 100 of each of these file types tied to your account.

Automatic Removal of Inactive User Accounts

- User accounts that have been inactive for 9 months or longer that are not under contract are automatically deleted, as well as any associated files tied to the account.
- Users under contract can re-activate their accounts by logging in to DataScope Select.
- No extraction files or preference settings will exist for re-activated users.

2 Getting Started

In this Chapter:

This chapter gets you started using Refinitiv DataScope Select and provides instructions on how to login and change your password.

An overview of the DataScope Select user interface is provided, along with information about configuring your user preferences.

Accessing Refinitiv DataScope Select

Access to the Refinitiv DataScope Select user interface is available via the Internet or private network via Delivery Direct (DDN)/Financial Community Network (FCN) as follows:

Internet – https://select.datascope.refinitiv.com

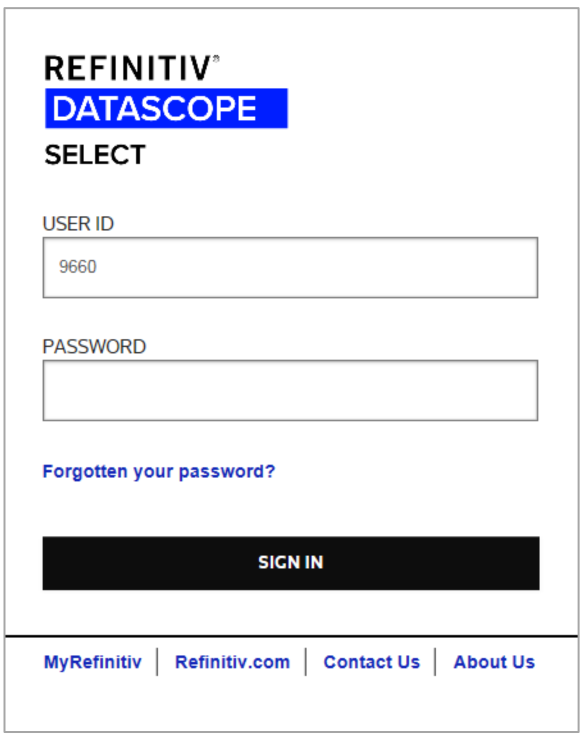
DDN/FCN – https://select.datascope.extranet.refinitiv.biz

NOTE: You must use the Refinitiv URLs above to access DataScope Select. As of 31July 2021, the legacy Thomson Reuters URLs for DataScope Select are no longer supported.

Browser Support

DataScope Select supports Microsoft Edge, Internet Explorer 11, Mozilla Firefox and Google Chrome. A warning will appear if you attempt to access DataScope Select with an outdated browser.

Signing In



To sign in to DataScope Select, enter your user ID and password, and then click **Sign In**. Upon a successfully sign in, you can use the DataScope Select features and functionality that are available to you based on your user type and access permissions.

You are limited to 30 login attempts in a five minute period. If you enter 30 invalid passwords during this time, you will get the following message:

```
Too many login attempts. Please wait 5
minutes to try again.
```

DataScope Select provides exclusive sign-in capability for all users of the web interface. An exclusive sign-on means that you can only be signed on to one session of DataScope Select at a time. Concurrent sessions launched from the web interface are not supported.

If you are signed in to DataScope Select and you or another user signs in with your credentials, you will be logged off automatically on your next web page request since the other user's session will supersede your session.

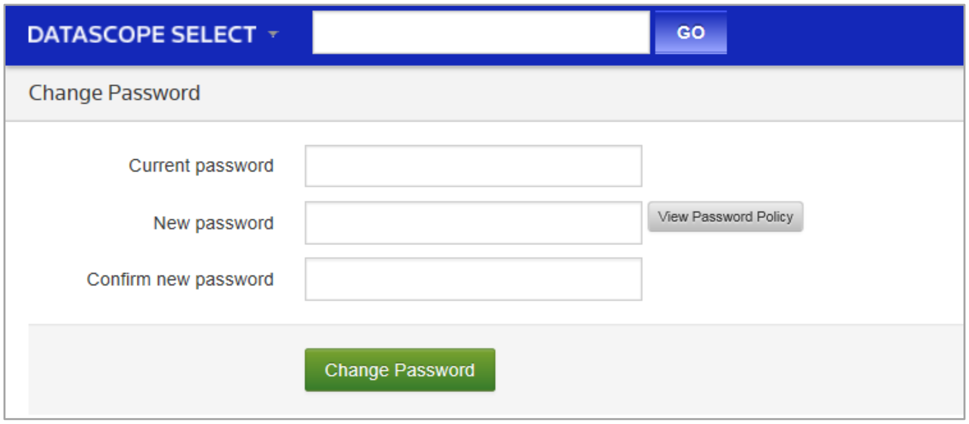
Changing Your Password

Password Policies

- You will be logged out automatically when your session is inactive for 60 minutes.
- Your user ID is automatically assigned to you and cannot be changed.
- There is no limit on the number of password retries. If you forgot your password, click **forgot your password?** to request a new one.

1. Click **Preferences** in the tool bar, and then click **Change Password** at the top of the screen.

   The **Change Password** screen appears:



2. Update your password in the fields provided.

   Note the following password policies:

   - **Passwords must be between 8 and 20 characters**

     Passwords with fewer or more characters will be rejected.

   - **Passwords must have characters from at least 2 character classes**

     Supported character classes are letters, numbers, and the following symbols:

     # $ % & @ * + - = ! . ? : ; ( ) [ ] { } ^ _ ~

   - **Passwords cannot consist entirely of your email address, in full or in part**

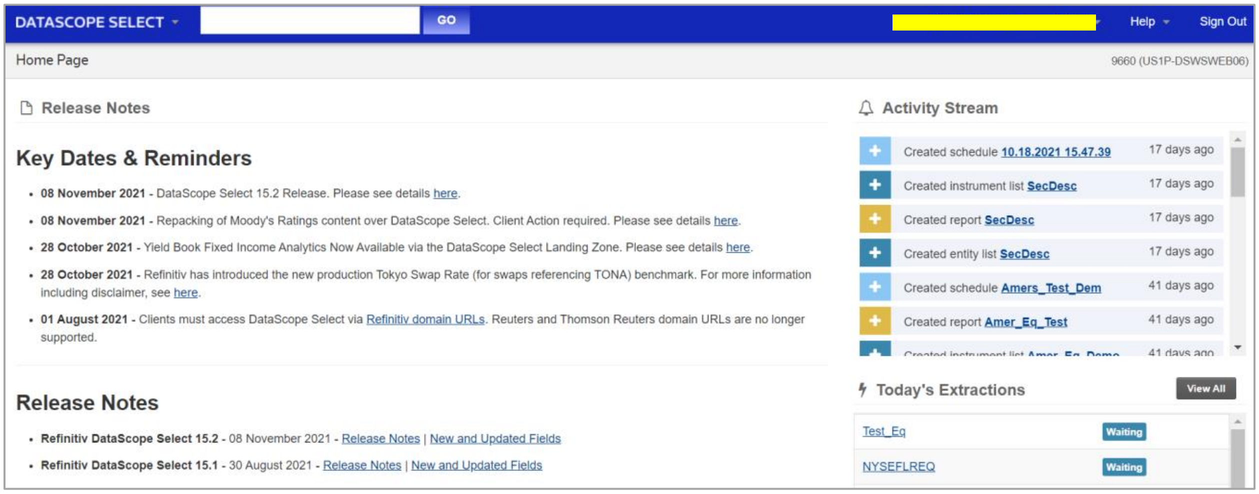
     For example, if your email address is johnsmith12@company.com, you cannot set your password to johnsmith12, ohnsmith12, @company.com, etc. Your password can contain all or part of your email address if it also contains other characters.

     In the example above, you can set your password to johnsmith123, ohnsmith@456, 45@company.com, etc.

3. Click **Update password**, and then click **OK** when prompted.

About the Home Page

Upon a successful login, the **Home Page** appears. This screen includes dashboards for viewing announcements and release notes, along with your recent activity and extractions.



Release Notes

This dashboard highlights the new features in the current release. Links to the Product Change Notifications (PCNs) related to the release are also provided.

Activity Stream

This dashboard shows your 25 most recent instrument lists, entity lists, report templates and schedules. DataScope Select captures your activity performed across all platforms (GUI, FTP and API) and displays the resulting items in chronological order, with your most recent activity appearing first. The icons identify the activity and are color-coded to denote the item type:

Input List =  - Created;  - Updated

Report Template =  - Created;  - Updated

Schedule =  - Created;  - Updated

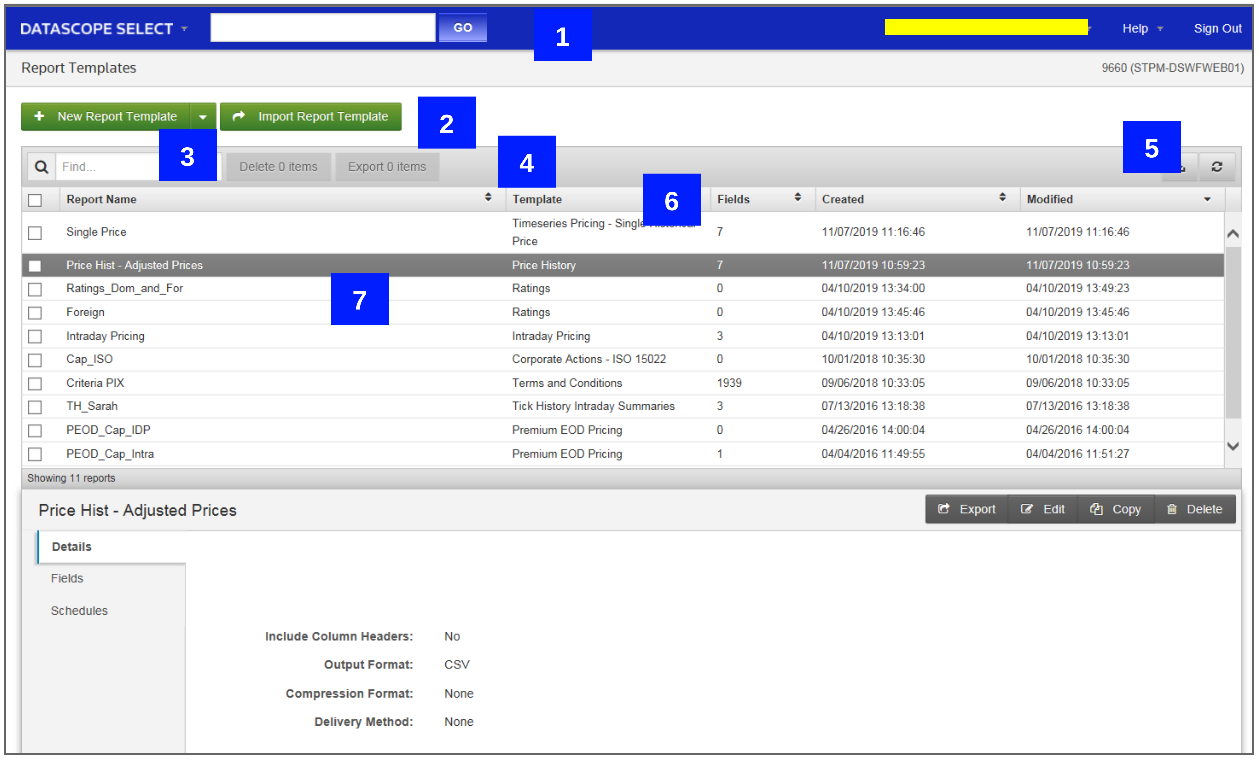
You can click on the input list, report template or schedule name to go directly to the related screen.

Today's Extractions

This dashboard shows all of your completed and pending scheduled and immediate extractions that have executed or will execute today. Your extractions are listed in chronological order, with the most recently completed extraction appearing first. If the extraction has executed already, **Completed** appears; otherwise, the time at which the extraction is scheduled to execute is shown. You can click on an extraction to go directly to the **Extracted Files** screen.

Understanding the Workspace

DataScope Select consists of several screens that guide you through the process of creating and scheduling extractions, searching and viewing details, and tracking usage. The following features are common across all screens. See the below for descriptions of common workspace features.

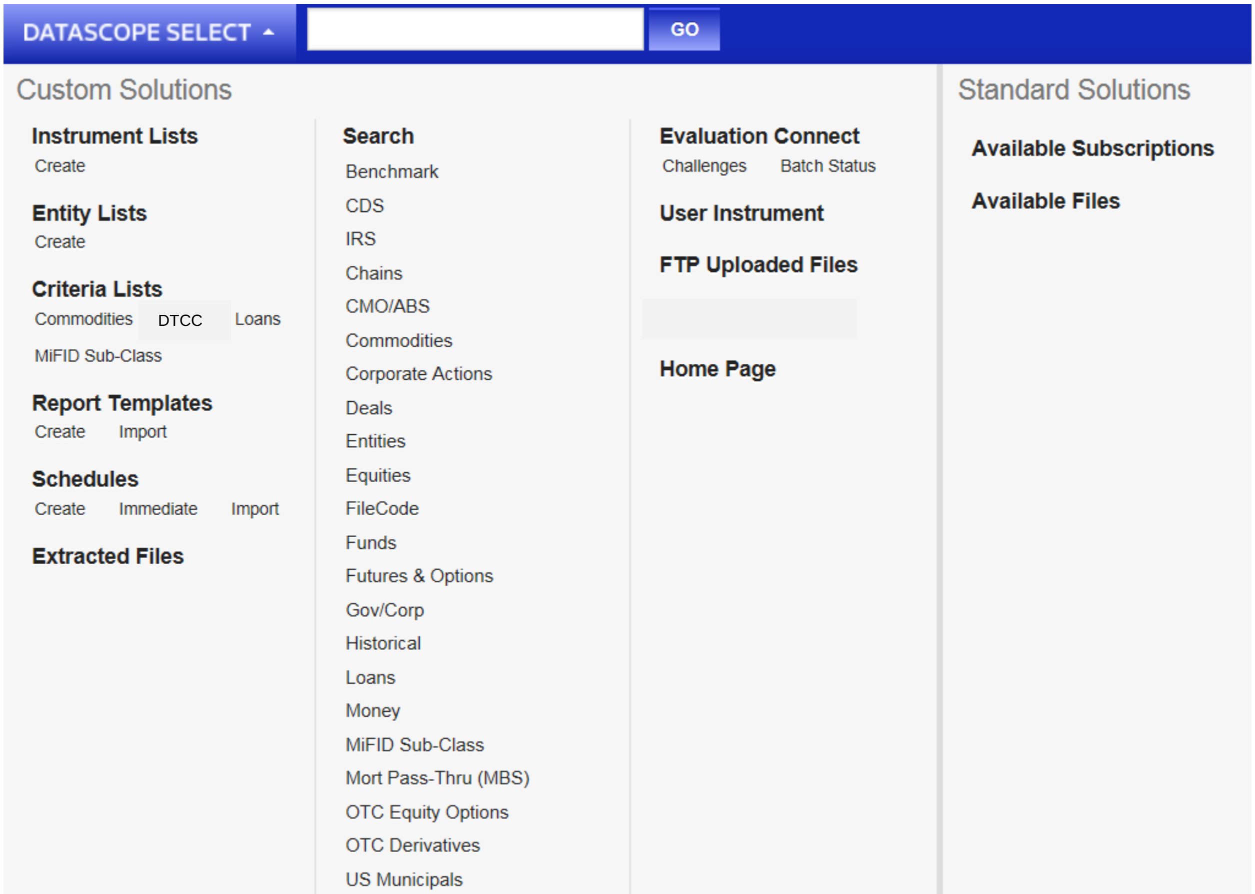


1	Use the menu bar to initiate all tasks related to DataScope Select, including setting user preferences, getting help and accessing the REST API Help. Please see the next section for details.
2	Use these buttons to initiate a task, such as create or import a new input list, report template or schedule.
3	Use the **Find** box to search for an item, such as an input list, report template, schedule or extraction output file, listed in the screen grid. When you enter text, only the items matching that text appear
4	Use these buttons to perform a task on one or more selected items, such as delete or export. These buttons are disabled until an item is selected.
5	Use the export icon to export the grid and all of its contents to a comma separated value (csv) formatted file. The file takes the name of the selected screen. This functionality is available for instrument lists, entity lists, report templates, schedules and extracted files. Use the refresh icon to refresh the screen.
6	Use the column headers to sort the grid items in ascending or descending order. The arrow indicates the direction in which the items are sorted.
7	Click on a row to expand the screen to show details about the selected item and to perform specific tasks on that item.

About the Menu Bar

All tasks associated with DataScope Select are initiated via the menu bar. It consists of a main menu a global search box and menus related to your user profile and for getting help.

Main Menu



To launch the main menu, click **DataScope Select**. Click **DataScope Select** again or outside of the menu to exit.

The menu presents all screens that you can navigate and consists of two sections:

- **Custom Solutions** identifies all functions for creating and scheduling extractions and searching and viewing content, as well as additional permissionable features, including access to Refinitiv Evaluated Pricing Service files.
- **Standard Solutions** identifies the screens for viewing available subscriptions and bulk files.
- Top-level screens are presented in bold. Actions that you can perform from those screens are presented below them.
- Screens are presented in a logical order; items for creating and scheduling an extraction are presented on the left and additional capabilities, such as searching and submitting price challenges are on the right.
- The screens presented in the main menu are dependent on your user profile and permissions.

Global Search Box

- Use this text box to perform quick searches of identifiers, input lists, report templates and schedules. You can also enter a screen name to go directly to that screen.

- When you enter a search string and click **GO**, a drop-down appears listing all of your input lists, report templates, and schedules that match the search string.
- Tasks that match the search string also appear. For example, entering **Equity** reveals a **Search** selection for **OTC Equity Options**. If you enter **Import**, selections for Importing report templates and schedules would appear instead. Click a selection to access that screen.
- When you enter a valid identifier (for example, RIC, CUSIP, SEDOL, ISIN, etc.) and click **Go,** you will go to the **Instrument Details** screen for that instrument or legal entity. You can also prefix the identifier with the identifier type (for example, RIC IBM.N).
- Supported identifier types are: Common Code, CUSIP, ISIN, ISMA, Lipper ID, OrgID, RCPID, RIC, SEDOL, SICC, Sicovam, Valoren and Wertpapier. These identifier types are not supported: MIC, IPC, Ticker and Chain RIC. Wildcards are not supported.
- When searching instruments, please note that this box can return instruments that are not found using the **Search** screens. For example, the **Go** box supports ISINs for looking up Mortgages, while the **All** and **Mort-Pass Thurs (MBS)** search screens do not. These two features will be aligned in a future DataScope Select release.

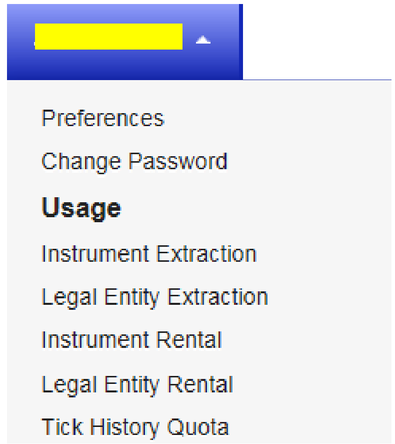
Recent

- This drop down appears after you view the details of instrument or legal entity from **Search** or an input list. Clicking it reveals a drop down, showing the most recently viewed items for your current DataScope Select session.

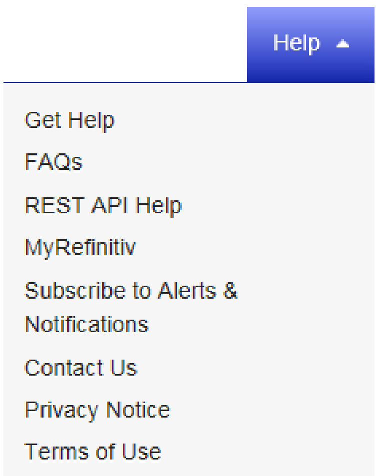
- Up to 15 instruments or legal entities can appear in the lists. Items appear in the order in which they were viewed, with the most recently viewed item appearing first.
- Click on the identifier to go directly to the **Details** screen for that instrument or legal entity.
- The menu is cleared when you sign out of your DataScope Select session.

User Menu

- This menu is identified by your username (hidden in this image).
- Use this menu to define your user preferences and change your DataScope Select password.
- Screens for viewing a summary of instrument extraction usage, as well as instrument and legal entity extraction and rental usage details are available from this menu..



Help Menu

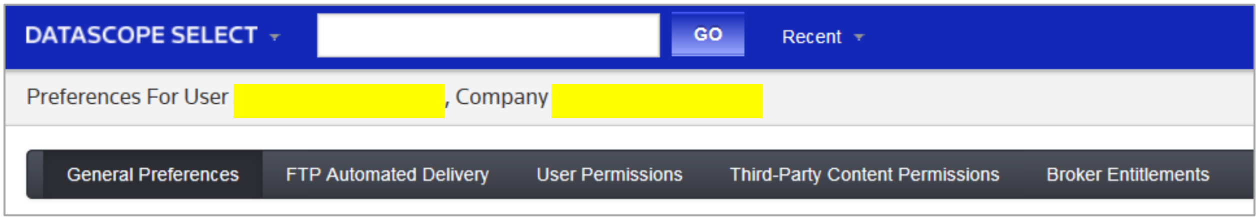


- The **Help** menu provides external links for getting help with DataScope Select from MyRefinitiv.
- The REST API Help link provides integrated online help and tools for using the REST API platform.
- Use the **Subscribe** link to sign up for Product Change and Content Notifications.
- Click **Contact Us** to access support services for DataScope Select.

Setting Preferences

You can set and view your preferences and permissions by clicking on your username, and then selecting **Preferences**. Note that your selected preferences also apply to extractions processed via the FTP and REST API platforms.

Your preferences are defined across the following tabs: **General**, **FTP Automated Delivery**, **User Permissions**, **Third-Party Content Permissions**, and **Broker Entitlements**.

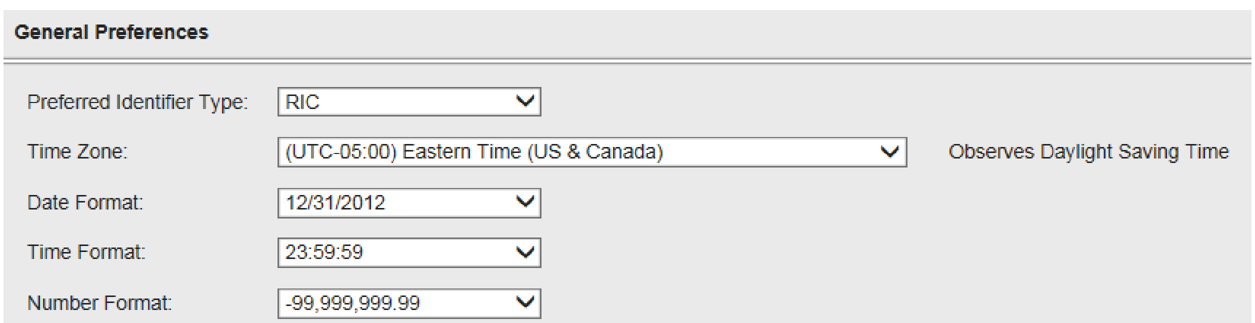


To enable the **General** and **FTP Automated Delivery** tabs, click **Edit Preferences**. Once you have specified your preferences, click **Save**. You cannot edit the other tabs.

General

This tab consists of the following sections: **General Preferences**, **FTP Access**, **Instrument Lists** and **Reports**:

General Preferences



Your general preferences define the default identifier type and time, as well as the formats used to show dates, times, and valuations. These settings default to US values.

NOTE: If you update the time zone or formats in your user preferences, the new formats will be reflected in all subsequent extractions, while all existing scheduled extractions will remain unchanged. To have your extractions execute with the updated settings, you must export the schedule, and then re-import it.

To set general preferences:

1. Select a default identifier type from the **Preferred Identifier Type** drop-down list. This selection is used to identify instruments returned in **Search**.

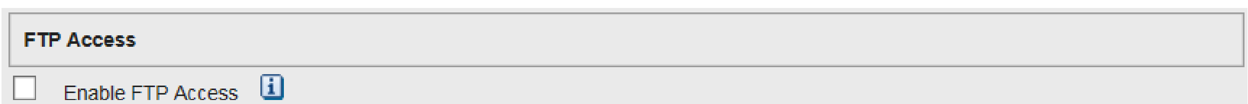
2. Select a time zone from the **Time Zone** drop-down list. This selection identifies the time zone for extracting data. When you select a Time Zone, the screen refreshes to indicate whether that time zone observes day light saving time (DST).

   Since time zones in DataScope Select are provided by Microsoft, you can specify whether your extraction times will be impacted by daylight saving in the Windows **Control Panel**. In the **Date and Time Properties** screen, select the **Time Zone** tab, and then select **Automatically adjust clock for daylight saving changes**.

3. Select formats from the **Date Format**, **Time Format**, and **Number Format** drop-down lists.

   Your selections are used as the default formats for displaying date, time and numeric output fields in your extractions. Whenever you create a new report template, the time zone and formats selected in your **Preferences** will automatically appear as the default formats.

FTP Access



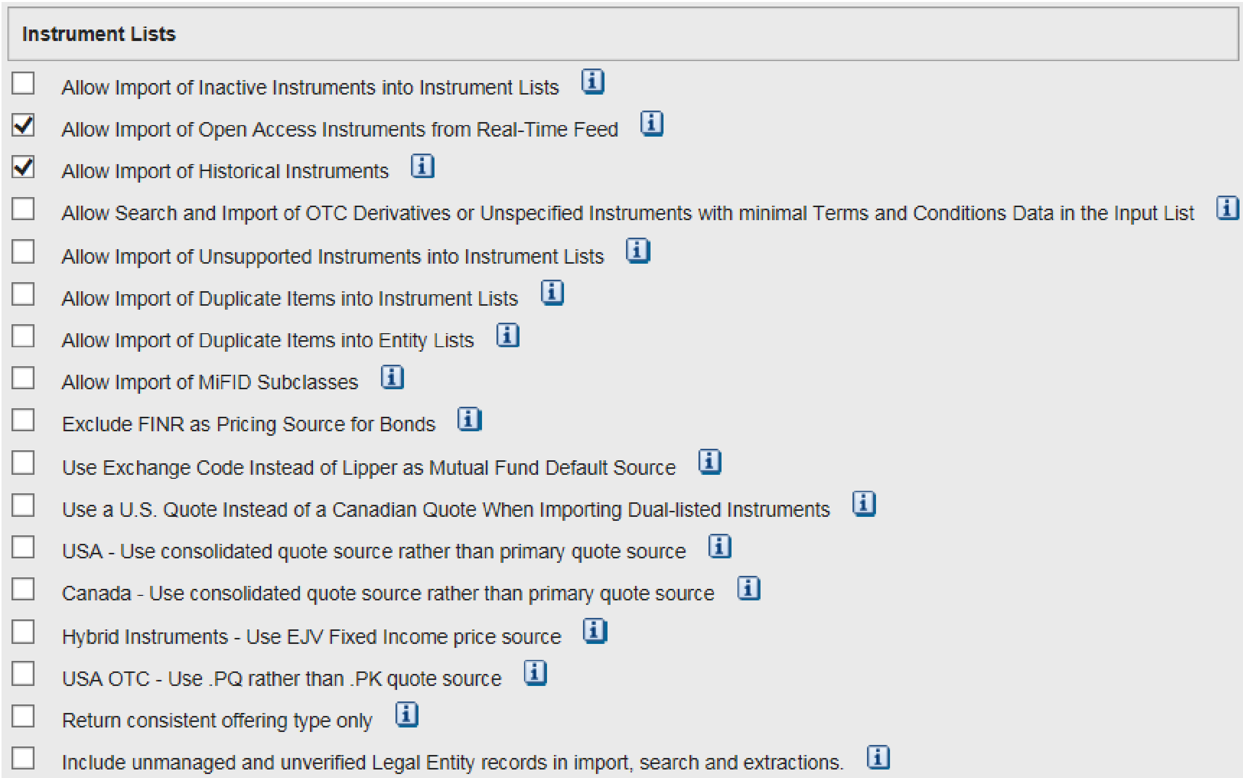
For Custom Solutions clients, FTP is supported for transferring input lists, report templates, and schedules to and from the DataScope Select FTP server. Standard Solutions clients must use FTP to retrieve their bulk feed files.

To enable your account, make sure **Enable FTP Access** is selected. Note that there is a one-time delay of up to 15 minutes between logging in and being able to access the Standard Solutions files via the FTP site.

If you plan to download your extractions and/or bulk feed files from the FTP server manually (FTP Pull), you can begin using DataScope Select FTP Service once this option is selected.

If you connect to DataScope Select through private network via Delivery Direct and plan to use FTP Automated Delivery to retrieve your extractions from the FTP server (FTP Push), you must also specify settings in the **FTP Automated Delivery** tab. Note that this capability is available for Custom Solutions clients only. See FTP Automated Delivery for information.

Instrument Lists



This section lets you specify how DataScope Select treats instruments during the import and extraction execution process. The following options are available:

- **Allow Import of Inactive Instruments into Instrument Lists**

  Select this option to allow inactive instruments to be imported into your instrument lists. Inactive instruments will be imported only when no active quotes are available.

  Inactive instruments exist in DataScope databases, but are no longer trading. They include instruments that have a status of Cancelled, Called, Exchanged/Converted, Funged, Liquidated, Expired/Matured, Not Active, Put, Repaid Before Maturity, or Redenominated. Equities, derivatives, and money instruments are simply no longer traded. Make sure this option is selected if you are using ORC (Other RIC) to import matured and expired fixed income instruments.

  NOTE: If you have **Allow Import of Inactive Instruments in Instrument Lists** selected and still want to favor active over inactive quotes, make sure **Allow Search and Import of OTC Derivatives or Unspecified Instruments with minimal Terms and Conditions Data** is cleared. When **Allow Search and Import of OTC Derivatives** is also selected, inactive quotes will take the priority over active quotes on import.

  Clear this option to allow only active instruments to be imported into your instrument lists.

- **Allow Import of Open Access Instruments from Real-Time Feed**

  Select this option to allow import and intraday extractions of Open Access Instruments, including Open Access Constituents of Chains, on the real-time network. Open Access Instruments cannot be validated on DataScope Select and include, but are not limited to, illiquid bonds (not priced in the last 30 days), contributed foreign exchange/money markets, certain hybrid instruments, cash commodities etc.

  Note that certain RICs are restricted from Open Access functionality, including those that require third-party content permissioning, as well as unsupported content (e.g., news headlines or stories, navigation RICs, ICW information, pages, etc.).

  Clear this option to allow only import and intraday extractions of instruments that can be validated via DataScope Select. Open Access instruments will be ignored during the import process.

- **Allow Import of Historical Instruments**

  Select this option to allow import of historical instruments into instrument lists for use in **Price History** and **Tick History** extractions. Historical instruments (e.g., Delisted RICs) cannot be validated by default. Make sure to select this preference if you are a Price History or Tick History client. You must also select this option to view the **Historical Constituents** and **Open Access** tabs for chains shown in the **Details** screen. Make sure this option is selected if you are using ORC (Other RIC) to import matured and expired fixed income instruments.

  Clear this option to allow only instruments that can be validated to be imported into your instrument lists. Historical instruments will be ignored.

- **Allow Search and Import of OTC Derivatives or Unspecified Instruments with Minimal Terms and Conditions into the Input List**

  Select this option to search and import OTC derivatives or instruments with limited terms and conditions data. These instruments are primarily available to support MiFID, with ESMA-mandated reference attributes available. Note that this option will still prioritize “Full Terms” data over “Limited Terms” instruments, possibly resulting in inactive quotes being imported from the “Full Terms” data as a priority, even if an active quote from the “Limited Terms“ database is available. You can also experience slowness when searching and importing.

  Clear this option to ignore OTC derivatives with limited terms during the import process.

- **Allow Import of Unsupported Instruments into Instrument Lists**

  Select this option to allow unsupported instruments to be imported into your instrument lists. Unsupported instruments do not exist in DataScope databases and no data is available for them. A blank row will be returned for each unsupported instrument in your extractions. To identify unsupported instruments in your extractions, make sure to include the **Instrument ID** and **Instrument ID Type** output fields in your report templates. Selecting this option ensures that the same number of rows will be returned in your extraction as the number of instruments in your instrument list.

  Clear this option to allow only instruments that can be validated in the DataScope database to be imported into your instrument lists. All unsupported instruments will be ignored. As a result, your extractions may not return the same number of rows as the number of instruments in your import files.

- **Allow Import of Duplicate Items into Input Lists & Allow Import of Duplicate Items into Legal Entity Lists**

  Select this option to import all instruments and legal entities into your input lists, regardless of duplication. Doing so ensures your extraction output files reflect the same number of items as ordered in your import files. Each valid identifier type and identifier assigned to the instrument or legal entity is imported, as well as all duplicate instances of the same identifier type (e.g., identical RICs, CUSIPs or ORGID). For entities, “duplicate” means that identical ORGIDs appear twice in the input list.

  Clear this option to prevent duplicate items from being imported into your input lists. Only the first identifier type and identifier are imported. All other identifier types and identifiers for the instrument or legal entity are ignored and identified in the **Duplicate Identifier List** following import. In this case, the number and order of the items in your extraction output file will not match your import file.

  Note that this preference applies to import only and not to extractions.

- **Allow Import of MiFID Subclasses**

  Select this option to validate MiFID subclass records upon import, search and extraction. Sub-class level attributes can be used to understand ESMA guidelines or can be expanded to instrument-level extractions to view the derivative contracts that compose each sub-class.

  Clear this option to prevent MiFID subclass records from being validated on import, search and extraction.

  Access to sub-class features requires permissions. Please contact your local account manager or sales specialists for more information.

- **Exclude FINR as Pricing Source for Bonds**

  Select this option to retrieve prices from a source other than FINR for the bonds in your import files. This option applies when you do not specify a pricing source when importing bonds into an instrument list. EJV is used as the default pricing source. If no EJV price is available, then the price is retrieved from an alternative source, but never **FINR**, even if **FINR** is the only source that has a price for the bond.

  Clear this option to allow **FINR** as a price source for the bonds in your import file. Note that **FINR** enforces a 4-hour embargo for users who are not permissioned for real-time **FINR** data. If you clear this option and you are **NOT** permissioned for **FINR** data, your Intraday Pricing extraction will be delayed for 4 hours after executing.

  Contact your local account manager or sales specialist for information about accessing real-time intraday data.

- **Use Exchange Codes Instead of Lipper as Mutual Fund Default Source**

  This preference applies to importing secondary identifiers without a price source. When selected, DataScope Select retrieves exchange-sourced pricing and reference data facts for the mutual funds in your import files.

  Clear this option to retrieve Lipper-sourced values for the mutual funds in your import files. Note that access to Lipper data requires additional permissioning from Refinitiv. No data is returned in your extractions if you select this option, and you are NOT permissioned for Lipper data.

- **Use a U.S. Quote Instead of a Canadian Quote When Importing Dual-listed Instruments**

  Select this option to default to a U.S. quote over a Canadian quote, and not a U.S. quote over other countries, during the import validation process when a secondary identifier is used without a price source.

  When cleared, DataScope Select follows the normal validation process for determining the primary quote for the instrument.

- **USA - Use consolidated quote source rather than primary quote source**

  Select this option to default to a USA consolidated quote over the primary exchange quote when importing secondary identifiers (SEDOL, CUSIP, ISIN) without a specified price source.

  When cleared, DataScope Select follows the normal validation process for determining the primary quote for the instrument.

- **Canada - Use consolidated quote source rather than primary quote source**

  Select this option to default to a Canadian consolidated quote over the primary exchange quote when importing secondary identifiers (SEDOL, CUSIP, ISIN) without a specified price source. Your import validation results shown on screen or in the FTP notes file indicate whether the user preference source was overridden by the user specified source. Both the user preference source and user specified source codes are identified in the message. This information appears under **Warnings**.

  When cleared, DataScope Select follows the normal validation process for determining the primary quote for the instrument.

- **Hybrid Instruments – Use EJV Fixed Income Price Source**

  Select this option to validate hybrid instruments as Refinitiv Evaluated Pricing Service fixed income quotes instead of equity during the import process. Make sure this option is selected if you are using ORC (Other RIC) to import matured and expired fixed income instruments.

  This preference is available for preferred shares, convertible bonds, and other hybrid instruments that have both equity and bond quote sources. It applies when these instruments are imported using secondary identifiers, including CUSIP, ISIN and SEDOL, without specified price sources. Hybrid instruments that are imported using RICs, or secondary identifiers with price sources, are excluded.

  When cleared, DataScope Select follows the normal validation process for determining the primary quote for the instrument.

- **US OTC - Use .PQ rather than .PK Quote Source**

  This preference is intended for clients who import non quote-source specific instruments to retrieve bid ask pricing

  When this preference is selected, imported CUSIPs and ISINs for US OTC equity instruments that normally resolve to .PK RICs will default to the .PQ RICs instead. If a .PQ RIC does not exist, then the .PK RIC will be imported. If the price source PNK is also specified, then the .PQ RIC will be imported.

  When the preference is cleared, .PK RICs will be imported for client-supplied CUSIPs and ISINs, even if .PQ RICs are available. If the price source OTC or PNK is also specified, the .PK RIC will be imported.

  Exceptions to this logic are as follows:

  - The preference will be ignored when importing a .PK RIC (as opposed to a CUSIP or ISIN). In this instance, the client-specified instrument will be imported.
  - Exchange quotes over. PK and .PQ RICs will be imported for CUSIPs or ISINs without a price source, even when .PK and .PQ RICs are both available.
  - This logic is applicable to importing US OTC equity instruments only. Search is not impacted.

- **Return Consistent Offering Type Only**

  Select this preference to ensure consistency between client-supplied inputs for ISIN, SEDOL, CUSIP, and Common Code (as well as for CIN Code, Sicovam, Wertpapier for CMOs only) and security identification code offering types (REG S, 144A, ACCINV, PUBLIC, etc.) output in extractions.

  For example, if your input list includes a REG S ISIN, and your extraction request includes the CUSIP field, the corresponding REG S CUSIP will be output, even in the case of duplicate identifiers. Please note that when there is no corresponding match, NULL is returned instead.

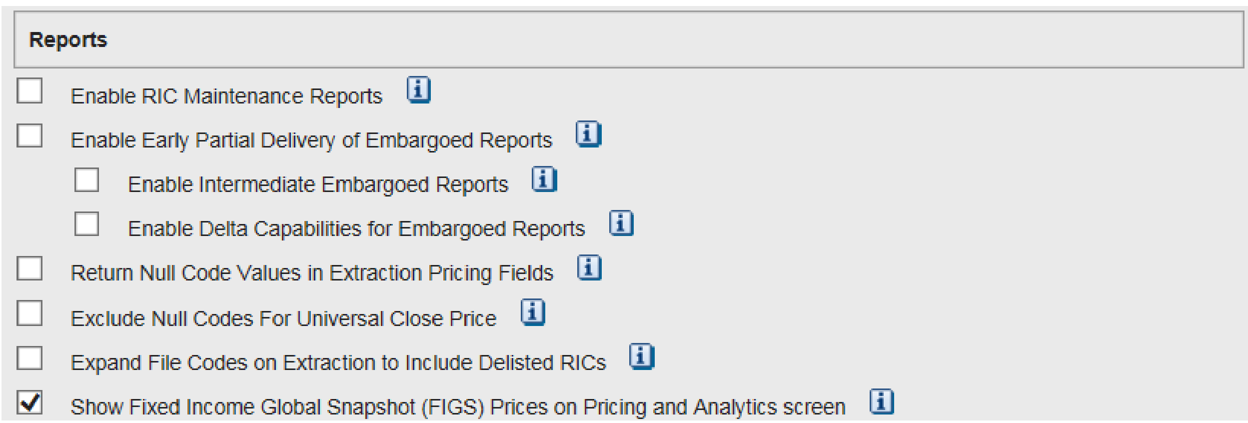
  When this option is cleared, a valid security identification code is returned in your extraction, even if the offering type does not match. This setting matches existing behavior for backwards compatibility.

- **Include unmanaged and unverified Legal Entity records in import, search and extractions**

  Select this option to expose all entities upon import, extraction and search.

  Clear this option to limit the entity offering to managed companies only on import, search and extraction.

Reports



This section lets you specify whether you want to receive optional reports, as well as to indicate how NULL codes are identified in your extractions. The following options are available:

- **Enable RIC Maintenance Reports**

  This optional report lets you view descriptive and reference data fact changes to the equity-related RIC identifiers in your instrument lists that have occurred over the past ten days, including deletions, renames, currency conversions, delists, relists, and file code updates, as well as stock split adjustment factors.

  This report is available for equities, funds, derivatives, money/foreign exchange, and warrants. When you select this option, the report is generated with your extraction and delivered to the **RIC Maintenance** column in the **Extracted Files** screen.

- **Enable Early Partial Delivery of Embargoed Reports**

  This optional report lets you receive early, non-embargoed intraday data prior to receiving the complete extraction following all required exchange delays.

  When this option is selected, the following options are enabled:

  - **Enable Intermediate Embargoed Reports**

    Select this option to receive intermediate embargoed extractions as soon as the data is available from the exchange. For extractions with multiple embargoes, a partial extraction will be delivered each time an embargo expires. In this instance, the complete file will be delivered repeatedly until all the embargoes have expired, each time adding the data for the instruments that have been released from embargo.

    When cleared, the non-embargoed extraction is delivered first, followed by the completed extraction with all embargoed data. No intermediate embargoed extractions will be delivered.

    If you clear the intermediate embargo report preferences, the file name for all previously scheduled and all new extractions going forward will no longer include **Xmins**.

  - **Enable Delta Capabilities for Embargoed Reports**

    Select this option to receive delta reports. If **Enable Intermediate Embargoed Reports** is also selected, only data that has changed since the previous intermediate embargoed report is output. If it is cleared, all embargoed data is output in a single report. Note that this report will be released once the exchange with the longest embargo has expired. Non-embargoed data released in the initial report will be excluded.

    Clear this preference to retrieve a cumulative list of data each time an embargo expires.

- **Return Null Codes Values in Extraction Pricing Fields**

  Select this option to retrieve the appropriate null code value when the instrument's price is not available due to exchange events (e.g., Public Holiday) or certain data conditions (e.g., Invalid Format). Null code values are available in **EOD Pricing** and **Premium EOD Pricing** extractions for Fixed Income, Equity, Derivatives, Money and Fund instruments. For **Estimates** extractions, generic null codes only are reported for Equity instruments.

  When this option is cleared, a blank field appears when the instrument's price is not available.

- **Exclude Null Codes For Universal Close Price**

  Select this option to return the previous trading day's prices for universal close fields when extractions run on days with no trading activity. Null code values are available in **EOD Pricing** and **Premium EOD Pricing** extractions for Equity, Derivatives, Money and Fund instruments.

  Clear this option to return null code values or blank fields for universal close fields when extractions run on days with no trading activity.

  To return null code values, make sure **Return Null Code Values in Extraction Pricing Fields** is also selected. To return blank fields, make sure to clear **Return Null Code Values in Extraction Pricing Fields** in addition to this option. Null code values are delivered with the EOD prices. When Premium EOD Prices are delivered prior to the EOD prices, your extraction will output the previous day's prices, even if you have Exclude Null Codes for Universal Price cleared. In instances when your input list contains instruments and/or file codes from different regions, it is possible for DataScope Select to retrieve a mix of null codes and the previous day's close prices.

- **Expand File Codes on Extraction to Include Delisted RICs**

  Select this option to include delisted RICs in file codes expanded on extraction. Including delisted RICs can result in the total number of instruments exceeding the extraction limit. Excess instruments will be excluded from the extraction and identified in the corresponding notes file.

  Clear this option to exclude delisted RICs in file codes expanded on extraction. Only active instruments will be included. Delisted RICs will be ignored in file codes expanded on extraction.

- **Return Fixed Income Global Snapshot in Premium Pricing Extractions**

  Select this option to show Fixed Income Global Snapshot (FIGS) prices in the **Pricing and Analytics** tab of the **Details** screen for government/corporate and CMO/ABS instruments.

  Clear this option to hide FIGS prices in the Pricing and Analytics tab of the Details screen for government/corporate and CMO/ABS instruments.

- **Generate Platts Corrections File**

  Select this option to retrieve the daily Platts Corrections File for tracking and maintaining an accurate history of Platts assessments. The file is available to clients who subscribe to the Platts offering as an optional report that can be downloaded from the DataScope Select user interface or via FTP.

  Clients who are permissioned for Platts data, but do not wish to receive the file can clear this option. For non-permissioned clients, this option is hidden.

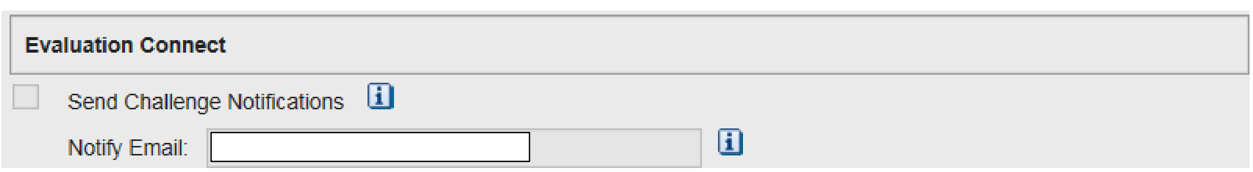
- **Generate Platts Weekend File**

  Select this option to receive a weekly Platts Weekend File with end of day assessments for the universe of Platts RICs each Monday. The file is available to clients who subscribe to the Platts offering as an optional report that can be downloaded from the DataScope Select user interface or via FTP.

  Clients who are permissioned for Platts data, but do not wish to receive the file can clear this option. For non-permissioned clients, this option is hidden.

Evaluation Connect

This section enables clients who subscribe to Refinitiv Evaluated Pricing Service for price challenge submissions to receive email notifications when their price challenges have been resolved or comments have been added. Multiple email addresses can be specified, up to 256 characters.



FTP Automated Delivery

DataScope Select supports automated delivery of extractions via FTP/SFTP (FTP Push). This functionality is only available through the private network via Delivery Direct. From this tab, you can define and test the primary and optional secondary server destinations used for FTP Push. You can also download the public keys required to configure SFTP Push. For instructions, see the *Refinitiv DataScope Select FTP User Guide*.

For automated FTP/SFTP access, clients also require a ‘static NAT’ configuration, which has to be requested from your account team. If you are interested in Delivery Direct connectivity, contact your account team for more information. If you are not using FTP Push, leave the **FTP Automated Delivery** tab blank.

NOTE:	FTP automated delivery is not applicable to DataScope Select Standard Solutions. Your bulk feed files must be downloaded manually via FTP.

Third-Party Content Permissions

This tab identifies the third-party content available in DataScope Select by category: **All**, **Exchange** and **Specialists** (that is, third-party content, such as BBA LIBOR, CFETS, DJI, FSID, Platts, etc.).

For each category, you can view the available content and your corresponding permission:

- **Realtime:** View the fee-liable exchanges or specialists for which you can access real-time content (this also includes fee-liable delayed exchanges you are subscribing to). You will receive this content in extractions as soon as it is available.
- **Delayed:** View the fee-liable exchanges or specialists for which you will access delayed content. You will receive delayed content in extractions once the embargo period applied by the exchange or specialist has expired.
- **No Intraday:** View the fee-liable exchanges or specialists for which you cannot access content during normal trading hours. Note that content snapped outside of market hours is free of fees.
- **None:** View the fee-liable content for which you have no access to content, regardless of the time of day. Content is available upon subscription.
- **On/Off:** View the non-fee-liable specialist content for which you are permissioned. (**On**) or not permissioned (**Off**) based on client subscriptions.

Capabilities are available for exporting third-party content permissions screen to a comma delimited (.csv) file for use in internal processes. You can export your own permissions or the permissions of all users tied to your company ID to separate files.

To export your permissions, click .

The exported file uses the naming convention *YourUserID*_ThirdPartyPermissions.csv. It contains the following columns:

Column	Description
CompanyId	Your company’s DataScope Select ID.
UserId	Your DataScope Select ID.
UserName	Your name.
PermissionType	Exchange or Specialists (for example, BBA LIBOR, CFETS, DJI, FSID, Platts, etc.).
PermissionCategory	The category for the indicated third-party content provider (see above).

To export the permissions for all the users tied to your company ID, click .

The exported file uses the naming convention *CompanyID_*ThirdPartyPermissions.csv.

The resulting file contains the details identified in the table above. Column A and B identify your Company ID. The names of all the users in your company appear in the remaining columns in Row 1. Permission Types and Permission Categories are identified in columns A and B. Permissions per user are presented in the remaining columns.

	COLUMN A	**COLUMN B**			
ROW 1	**CompanyId**	**11100**	**User 1**	**User 2**	**User 3**
	Permission Type	**Permission Category**	5678	9232	9245
	Specialist	ABS SGD SIBOR Fixing	Off	Off	Off
	Specialist	ABS SGD SIBOR Fixing - 24h delay	Off	Off	Off
	Specialist	ABS SGD SOR Fixing	Off	Off	Off
	Specialist	ABS SGD SOR Fixing - 24h delay	Off	Off	Off
	Exchange	ABU DHABI SECURITIES EXCHANGE LEVEL 1 (ABD)	Delayed	Delayed	Delayed
	Exchange	ABU DHABI SECURITIES EXCHANGE LEVEL 2 (AB2)	Delayed	Delayed	Delayed
	Exchange	ACE COMMODITY EXCHANGE L1 L2 (AC1)	Delayed	Delayed	Delayed
	Exchange	ACE COMMODITY EXCHANGE LEVEL 1 (AC0)	Delayed	Delayed	Delayed
	Exchange	AEQUITAS LIT NEO BOOK TSX-VENTURE L1 (NBL)	Delayed	Delayed	Delayed
	Exchange	AEQUITAS LIT NEO BOOK TSX-VENTURE L2 (NBT)	Delayed	Delayed	Delayed
	Exchange	AEQUITAS NEO EXCH LIT NEO BOOK TSX L1 (NLL)	Delayed	Delayed	Delayed
	Exchange	AEQUITAS NEO EXCH LIT NEO BOOK TSX L2 (NLT)	Delayed	Delayed	Delayed

User Permissions

This tab identifies what you can do in DataScope Select based on your user type and access permissions. All of the reports for which you are permissioned as also identified. You cannot edit this tab. Contact your local account manager or sales specialist to update.

Broker Entitlements

This tab identifies the individual brokers from our I/B/E/S Service who require entitlements for viewing their data in **Estimates - Details** and **Detail Level Footnotes** reports. You cannot edit these settings.

- **Pre-Approval Brokers** require you to be pre-approved before you can extract their estimates. You must submit your request for each broker to Refinitiv, who will seek the approval on your behalf. Pre-approval is dependent on the decision of the broker.
- **Post-Approval Brokers** do not require you to be pre-entitled, meaning you can retrieve their estimates once you have signed-up for their data as part of your DataScope Select subscription. Post-approval brokers reserve the right to review and to remove your entitlements at any point.

  Permissioned users can view and retrieve estimates data for all brokers regardless of your entitlements. If your extraction includes a broker for whom you are not entitled, the requested data will be output; however, broker-specific fields, such as **Analyst Name** and **Broker Name**, will display **Name Withheld**.

Extraction Process Overview

This section provides an overview for creating and scheduling extractions via DataScope Select Custom Solutions. The key steps are identified below. See the remaining chapters of this guide for details.

To create and schedule an extraction:

1. **Specify your user preferences.**

   Use **Preferences** to define your preferences for handling instrument lists and report templates, defining FTP automated delivery, and viewing your user permissions and third-party content permissions.

   For instructions, see:

   - Setting Preferences

2. **Create the input for extraction.**

   Your input list can contain any combination of supported instruments (equity, derivatives, money/foreign exchange, and fixed income securities), entities (legal entities, funds and issuer-level ratings), and user-defined instruments (credit default swap, interest rate swap, and over-the-counter equity option contracts).

   You can also define criteria for global bank loans, commodity instruments, and Depository Trust & Clearing Corporation (DTCC) instruments that are used as input for the extraction. Each time your extraction executes, the criteria are run to provide the most current set of instruments available at that time, up to extraction limits.

   For instructions, see:

   - Creating Input Lists
   - Creating Criteria Lists
   - Creating User Instruments

3. **Define the report template.**

   Your report template defines the pricing or reference data to retrieve and the format in which the data is output. A series of screens guide you through the process for defining report options, selecting fields, and adding optional header and footers. As an alternative, you can import a report template via an XML formatted file.

   For instructions, see:

   - Selecting Report Templates
   - Formatting Report Templates
   - Selecting Fields
   - Importing Report Templates

4. **Schedule the extraction execution.**

   You can create a new schedule or import a schedule via an XML formatted file. You define whether you want to execute the extraction once, on a recurring basis, or on-demand. You also define if you want the extraction to execute at a scheduled time or as a result of pricing data.

   For instructions, see:

   - Creating Extraction Schedules
   - Importing Schedules
   - Tracking Extraction Executions
   - Viewing Schedule Details

5. **Retrieve your Extraction Results.**

   Extraction results include the actual extraction, including embargoed intraday pricing extractions, notes related to the extraction execution, and optional reports.

   For instructions, see:

   - Viewing Extractions
   - Identifying Your Extractions
   - Previewing & Downloading Extraction Files
   - About Embargoed Extractions

6. **Review your Extraction Files**.

   Your extraction includes the output file for the specified report template and a corresponding notes file. You can also select to receive an optional RIC maintenance report and Platts Corrections file.

   For information, see:

   - Understanding Extraction Output
   - About Extraction Notes
   - About RIC Maintenance Reports
   - About Platts Files

3 Creating Input Lists for Extraction

In this Chapter:

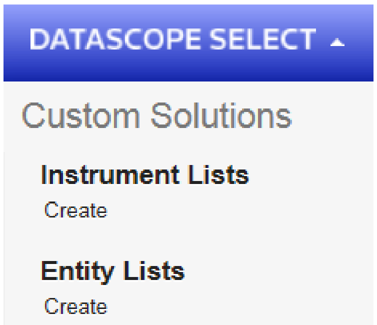
The first step in the extraction process is to create the input list. This chapter provides detailed instructions for creating instrument, entity and criteria-based lists. Instructions for creating user-defined instruments (credit default swap, interest rate swap, and over-the-counter equity option contracts) are also provided.

Creating Input Lists

This section provides instructions for creating instrument and entity lists for extraction, collectively referred to as “Input Lists.” This task consists of creating a new input list, and then adding instruments or entities from an import file or via **Search**. Note that instruments and entities must be maintained in separate lists and cannot be combined.

- **To create an input list:**

1. Click **DataScope Select**, and under **Instrument Lists** or **Entities Lists**, click **Create**:



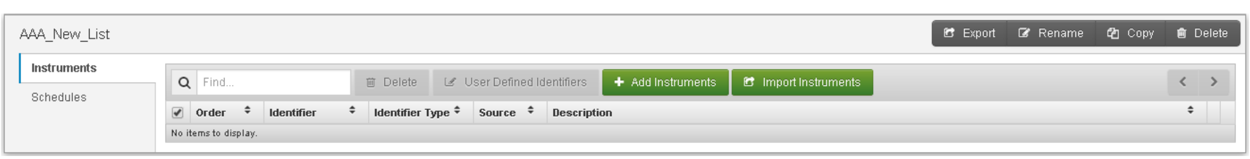
The screen updates to show the **Create New List** wizard.

2. Enter an input list name in the corresponding box.

An error message appears when an invalid character is entered. Note that double-byte character sets are not supported.

3. Click **Create**.

The screen expands to show the list at the bottom of the screen. Use the **Add** and **Import** buttons to add instruments or entities to the new list, as described in the next section.



Adding Instruments/Entities

You can use the **Search** or **Import** capabilities to add instruments or entities to your input list.

Searching Instruments

1. Create your new instrument list according to the instructions in the previous section.
2. Click Add Instruments to access the Search screen.
3. Perform your search as follows:
    - **To perform an identifier-based search:**
        - Select the identifier type from the **Identifier** drop-down list, and then enter the identifier code in the corresponding box.
        - You can clear the asset type check boxes to narrow your search as appropriate.
    - **To perform a criteria-based search:**
        - Select the asset type to search for from the **Search Type** drop-down list. The screen updates to show the supported search fields.
        - Enter criteria in the input boxes as appropriate.
4. Click the check box next to the instrument that you want to add to the instrument list.

    You can select multiple instruments.
5. Click **Add** at the top of the table.

Searching Entities

NOTE DataScope Select differentiates searches for fund-level and fund shares class data. Use the **Entities** search to search for fund-level data. To search for fund shares class data, use the **Funds** search.

1. Create your new entity list according to the instructions in the previous section.
2. Click **Add Entities** to access the search screen.
    - **To perform an identifier-based or company name search:**
        - Enter an identifier or company name in the corresponding box. Supported identifiers for entities are Org ID, RCP ID, LEI, CIK, Regulator ID, Tax File ID or Company/Registration Number.
        - You can also enter a Domicile, Country of Incorporation, Derived Parent and Derived Ultimate Parent. Supported identifiers for retrieving fund-level data are Fund Lipper ID (FLI), ISIN, CUSIP or RIC.
    - **To perform an advanced search for entities or funds:**
        - Select **Legal Entity** or **Fund** from the **All** drop-down list. The screen updates to show the supported search fields.
        - Enter criteria in the input boxes as appropriate.

3. Click **Search**.

   Your search results are returned to the table at the bottom of the screen. When you do an **All** search, each entity returned is identified by its **Identifier** (OrgID for legal entities and Fund Lipper ID for funds) and **Official Name**. The entity is also identified as a **Legal Entity** or **Fund**.

4. Click on one or more entities to add to your entity list.

   When you select an item, the **Select All** button updates to **Select None,** and the **Add item to list** and **Add item to list with derived parents** buttons become enabled with the number of items selected identified.

   When you click either **Add to** button, a new window appears displaying your entity lists. If you do not have any lists, you are prompted to create one.

   All of your existing entity lists appear under **Available Lists**. Click on one or more of them to add the selected entities.

5. Click **Add Entries to Selected Lists**.

   A separate window appears, confirming the lists in which the selected legal entities were added.

Importing Instruments

You can import instruments from a CSV or XML file. The file can be created from scratch or generated automatically via the DataScope Select user interface using the **Export** function.

DataScope Select allows import of 85,000 instruments, but only 75,000 instruments will be validated. The instrument import limit is set 10,000 instruments above the instrument list limit to allow for instrument validation. Instruments are validated after being imported; therefore, it is possible that some imported instruments will not be added to the input list due to preference settings, instrument duplication, and not found instruments. The first 75,000 validated instruments will be added to the input list. All other imported instruments will be ignored.

The table below provides key information on generating CSV files. For XML formats, see the *Refinitiv DataScope Select FTP User Guide*. This guide provides an overview of the XML Report Request file, including definitions of the supported XML tags and related elements.

Importing Instruments
File Format: • Each instrument must appear on a separate line, and required and optional content must be delimited by commas. • Identifiers are case-sensitive and must be entered as upper-case letters. Lower-case letters are not recognized during the import process. • If you are using Microsoft Excel, make sure you have the program set to display zeros in numeric fields. This will ensure that your instruments are imported correctly.

Required Content:
• Each instrument must be identified by its 3-character identifier type and corresponding code.
• The following identifier types are supported. Note that not all identifier types are available for all supported asset types.
  • **AFI** - Argentine Federal Administration of Public Revenues (AFIP) Code
  • **CNC –** China Code for Fund Shares

Importing Instruments

- **CHR** - Chain RIC
- **CIN** - CUSIP International Number
- **COM** - Common Code
- **CSP** – CUSIP
- **FDV –** Fundserv
- **IPC** - File Code
- **ISM** - ISMA
- **ISN** - ISIN
- **LIN** - Loan ID
- **LIP** - Lipper ID
- **LOC** - Local Code
- **ORC** – Other RIC
- **PID** - Perm ID
- **PIX** - Perm ID Expandable
- **PPN** - Private Placement Number CUSIP
- **SED** - SEDOL
- **RIC** - Refinitiv Identification Code
- **SIC** - SICC
- **SVM** - Sicovam
- **SYM** - Trading Symbol
- **VAL** - Valoren
- **WPK** - Wertpapier
- **ZPG** – Zpage

Optional Content:

- User defined identifiers and exchange, price source or market segment codes, are optional.
- Exchange codes/pricing sources must be separated with a pipe character (|).
- Use an asterisk (*) to obtain all available pricing sources for non-quote level identifiers (e.g., CUSIP, ISIN, etc.).
- The optional pricing source code is not applicable to Chain RICs, as these instruments are sourced from the real-time network. You can include them in your import file, but they will be ignored. The price source is only provided as an output for the Chain RIC constituents.
- Market segment codes can be used in place of exchange or price source codes to improve validation processing times by narrowing the asset types to query. Market segment is specified using **$segs=** followed by one or more segment codes (truncated at 15 characters):
    - **G** - Government and Corporates
    - **U** - Municipals
    - **P** - Pools
    - **T** - Tranches
    - **M** - Mortgages
    - **F** - Mutual Funds

- **E** - Equities
- **D** - Derivatives
- **Y** - Money Markets
- **L** - MiFID Sub-Class
- **O** - Commodities and Energy
- **Z** - OTC Derivatives

NOTE: To validate market segment Z - OTC Derivatives, make sure **Include OTC Derivatives or Unspecified Instruments with minimal Terms and Conditions Data in the Input List** selected in your user preferences. Otherwise, a validation error message will appear.

- To improve import processing time, include the instrument's market segment code.

Examples:

IDENTIFIER TYPE,IDENTIFIER,USER DEFINED IDENTIFIER,EXCHANGE CODE1

IDENTIFIER TYPE,IDENTIFIER,USER DEFINED IDENTIFIER,EXCHANGE CODE1|EXCHANGE CODE2

IDENTIFIER TYPE,IDENTIFIER, USER DEFINED IDENTIFIER,*

IDENTIFIER TYPE,IDENTIFIER,,

IDENTIFIER TYPE,IDENTIFIER

IDENTIFIER TYPE,IDENTIFIER,, EXCHANGE CODE1

IDENTIFIER TYPE,IDENTIFIER,,EXCHANGE CODE1|EXCHANGE CODE2

IDENTIFIER TYPE,IDENTIFIER,, *

IDENTIFIER TYPE, IDENTIFIER, USER DEFINED IDENTIFIER, EXCHANGES, USER DEFINED IDENTIFIER2, USER DEFINED IDENTIFIER3

IDENTIFIER TYPE, IDENTIFIER, USER DEFINED IDENTIFIER, EXCHANGES, USER DEFINED IDENTIFIER2

IDENTIFIER TYPE, IDENTIFIER,, PRICESOURCE,, USER DEFINED IDENTIFIER3

IDENTIFIER TYPE, IDENTIFIER, USER DEFINED IDENTIFIER, PRICESOURCE,, USER DEFINED IDENTIFIER3

IDENTIFIER TYPE, IDENTIFIER, USER DEFINED IDENTIFIER, PRICESOURCE,, USER DEFINED IDENTIFIER2

IDENTIFIER TYPE, IDENTIFIER, USER DEFINED IDENTIFIER, EXCHANGE,, USER DEFINED IDENTIFIER2, USER DEFINED IDENTIFIER3, USER DEFINED IDENTIFIER4, USER DEFINED IDENTIFIER5, USER DEFINED IDENTIFIER6

IDENTIFIER TYPE, IDENTIFIER,$SEGS=G,

IDENTIFIER TYPE, IDENTIFIER,$SEGS=FG,

IDENTIFIER TYPE, IDENTIFIER,$SEGS=GF,

IDENTIFIER TYPE, IDENTIFIER,$SEGS=GFE,

NOTE: The order of user defined identifier fields is not sequential. User Defined Identifier precedes the Exchanges. User Defined Identifier2, User Defined Identifier3, User Defined Identifier4, User Defined Identifier5 and User Defined Identifier6 appear at the end of the row.

Importing Entities

You can import a list of entity identifiers or entity names into a new or existing entity list from a CSV- or XML-formatted file. The file can be created from scratch or generated automatically via the DataScope Select user interface using the **Export** function. Up to 50,000 entities can be imported into a Legal Entity list.

The table below provides key information on generating CSV files for importing entities and funds into entity lists. See the *Refinitiv DataScope Select FTP User Guide* for details on creating XML formatted files for identifying entity lists.

Importing Entities
File Format: • The first row of your file must contain the heading Company ID, followed by the entities' identifiers for import.

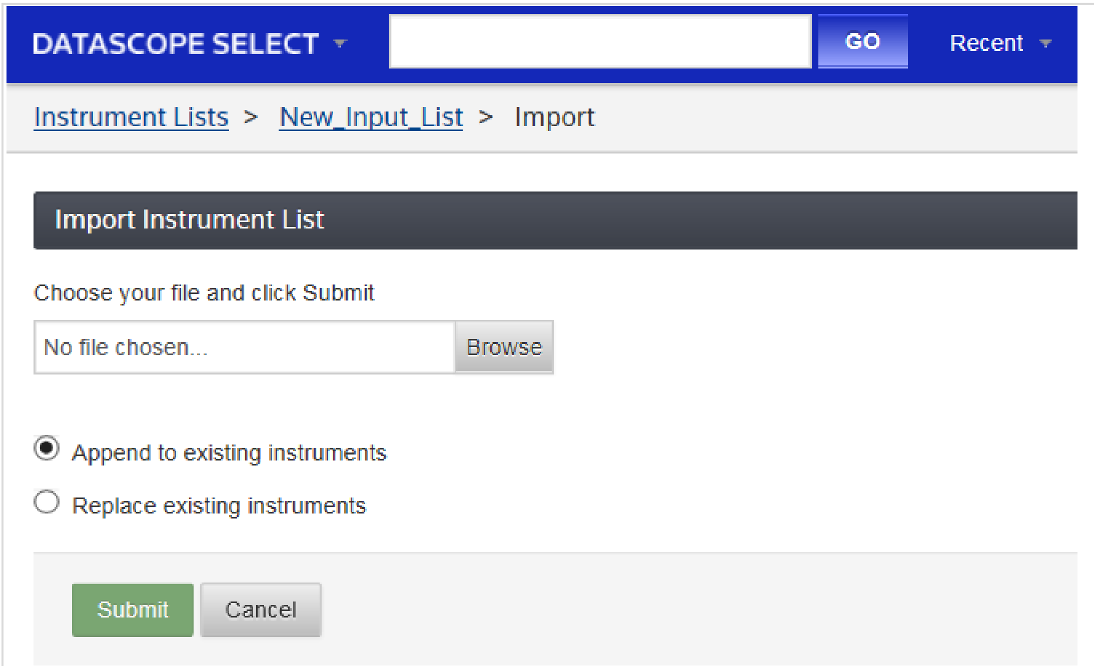
Required Content:
• Each entity record must appear on a separate line and consist of a supported 3-character identifier type and identifier, separated by commas.
  • **BIC** - Business Identifier Code
  • **CSP** - CUSIP
  • **FLI** - Fund Lipper ID (Recommended identifier for funds)
  • **ISN** - ISIN
  • **LEI** - Legal Entity Identifier
  • **LIN** - Loan Identifier Number
  • **ORG** - OrgID (Recommended identifier for entities)
  • **PID** - Perm ID
  • **RCP** - Refinitiv Counterparty ID
  • **RIC** - Refinitiv Identification Code
  • **SED** – SEDOL

Optional Content: • User defined identifiers are optional and follow the identifier.
Examples: Company ID RCP,300017142 ISN,US097023AD79 RIC,063840AE2=RRPS

- **To import instruments/entities into an input list:**

1. Create a new input list as described earlier in this section.
2. Click **Import Instruments** or **Import Entities**.

   The **Import** screen appears. This example shows the **Import** screen for a new instrument list:

3. Click **Browse** to navigate to the import file.
4. Select the file to import.
5. If you want to rename the list, enter a new name in the box provided.

   For example, if you are importing an input list with the same name as an existing list, you can specify a new name and not overwrite the existing list.
6. If you want to replace an existing list with the same name as the import file, click **If instrument list name exists, replace list**.
7. Click **Submit**.

   DataScope Select automatically detects the file type. An error message appears when the file type is not supported.

   A dialog appears to indicate that the import is underway. It remains on the screen until the import has completed.

The following table identifies the standard process for validating instruments during the import:

Instrument Validation Methodology
Secondary Identifiers (ISIN, CUSIP, SEDOL, etc.) • If an exchange/source is specified and a single quote is available for that exchange/source, retrieve that quote. • If the identifier is for a hybrid, retrieve the equity quote over the corporate bond quote. • If the identifier is for a fund, retrieve the mutual fund quote over the equity quote. ***Equity Instruments:*** • If the identifier is for an equity instrument and an exchange is specified, return the quote from specified exchange • If the identifier is for an equity instrument and no exchange is specified, or multiple results are found for a specified source, then retrieve the quote from the primary exchange. • If the primary exchange is not available, retrieve the OPOL quote. • If no quote exists for OPOL, then retrieve the SEDOL quote. • If multiple results are found, retrieve the country primary quote. • If multiple results are found, retrieve the primary tradable market quote. If multiple results are found, then retrieve the quote with the higher volume. • If the identifier is for multiple Exchange Traded Fund (ETF) equities on a non-primary exchange, retrieve the first available quote in the order of: iv, nv, tc, so, ec or dv. • Otherwise, retrieve an arbitrary quote. ***Fixed Income Instruments:*** Government/Corporates • If the identifier is a government/corporate instrument, default to the EJV price source. • If the EJV price source RIC is not available, match the preferred RIC price source. • If the preferred RIC price source is not available, retrieve any contributor instead. • If there are multiple quotes per exchange, retrieve the OPOL quote. • If no quote exists for OPOL, retrieve the SEDOL quote. • If there are multiple OPOL or SEDOL quotes, retrieve the quote with the higher volume or an arbitrary quote. • If the instrument does not have RIC available, use the ORC identifier with the logic above. CMO • If the identifier is a CMO instrument, default to the EJV price source RIC; otherwise, retrieve any contributor RIC. MBS & Bank Loan • If the identifier is a MBS or Bank Loan instrument. default to the EJV or N/P price source RIC. (Note DataScope Select does not support RIC/ORC fields for Mortgage TBAs.) Municipal Instruments • You can import both Municipal Securities Rulemaking Board (=MSRB) RICs and EJV-sourced municipal RICs (=RRPS). • MSRB RICs can be imported with or without the price source code MB1. • When importing an active CUSIP or ISIN, use the price source code MB1 to import an MSRB instrument; otherwise, an EJV RIC will be imported.

Instrument Validation Methodology

- If the CUSIP or ISIN is for an inactive bond and the **Allow Import of Inactive Instruments into Instrument Lists** user preference is selected, the EJV RIC with N/P ("No Price") will be imported, regardless of the specified pricing source (excluding EJV).
- Inactive bonds with EJV as the price source will not be validated, and active bonds that are not priced with EJV specified as the price source also will not be validated. To validate the bond in these two instances, please exclude EJV as the pricing source.

Check-Digit Conversions:

- Automatic conversions are done for CUSIPs, ISINs, and SEDOLs when the last digit of the identifier is missing or incorrect. In this case, DataScope Select will identify the correct identifier and replace it in the instrument list.
- No updates will be made when importing a valid identifier. In this case, the identifier you specify in your input list will always be imported, regardless of whether other identifiers exist.

Once the validation process completes, the total number of successfully imported items, the import

processing time and import request id (used for internal troubleshooting) are identified. The total number of not found or restricted items is also identified at the bottom of the screen. You can click **+** to expand the list and view the import errors for the individual items.

Possible messages include:

- **Not Found** – The indicated instrument is not supported on the DataScope Select database (standard segments) or real-time network (Open Access instruments).
- **Duplicate** – Duplicate instrument exists in the instrument list.
- **RIC not supported - content not applicable to DSS** – Indicated RIC identifies news headlines or stories, navigation, ICW information, pages, etc. Applicable to Open Access RICs.
- **RIC not supported - part of restricted content** – The indicated RIC identifies third-party content that is restricted in DataScope Select. Applicable to Open Access RICs.
- **RIC not supported at this time - under review** – The indicated RIC is newly added on the real-time network and cannot be validated at this time. Applicable to Open Access RICs.
- **CHR not supported - part of restricted content** – Import of Chain not permitted due to restricted content.
- **CHR not supported at this time - under review** – Chain RIC is newly added on the real-time network and cannot be validated at this time.
- **CHR not supported - content not applicable to DSS** – Indicated Chain RIC identifies content not applicable to DataScope Select.
- **CHR not supported - chain contains invalid links** – Data error with the chain. Error should be reported to the contributor of the chain in order to be fixed.

Note that the following types of chains can be imported:

- Chains without RIC constituents that exist on the Elektron Real-Time data feed.
- Chains that are specified by the second or later link. Note that some of these instruments will be imported with the status of the chain; however, they will expand to 0 constituents. Meanwhile, some of them will continue to be recognized as **Not Found**.
- Chains of Chains

If your imported instrument list contains Open Access RICs, a breakdown of those instruments by asset type will also appear. Open Access Instruments that cannot be mapped to a specific security type are identified as **Non-DSS Security Type**.

Unlike Open Access RICs, the chain's open access constituents are not automatically verified during the import process, even when **Allow Import of Open Access Instruments from Real-Time Feed** is selected. This is because chains, like file codes, do not expand until the extraction executes. Only the chain is verified during import. Upon a successful import, the chain is categorized under the **Standard Segments** count and not under **Real-Time Open Access Segment** count as open access instruments are.

Importing Perm IDs

You can use Perm IDs to import at the instrument, quote and entity level for most asset types. Exceptions are for Benchmarks, CDS, IRS, Chains, Commodities, Corporate Actions, Deals, File Code, Historical, Loans, Money, OTC Equity Options.

PermIDs are validated upon import. Upon extraction, these instruments will be revalidated, in the event that previously imported instruments are found in the Government/Corporate, CMO or Municipal database, if the instrument exists there

Viewing Instrument/Entity Details

The instruments or entities added to the selected input list appear at the bottom of the screen. Each item is identified by the list order, identifier and identifier type, description and optional user defined identifiers.

Viewing Instruments

You can view the details for any instrument by clicking on the corresponding identifier. Details appear across multiple screens and include summary information, valuations pricing, and cross-reference identifiers. Other screens, such as corporate actions, ratings and prepayment terms appear for the applicable asset types.

See Viewing Details for more information.

Viewing Entities

To view the details of a selected verified entity, you must rent the record. You do not need to rent an unverified record to view its details.

When you first view a verified entity record, only the **Summary** screen appears. It shows the entity's legal and official name, Org ID, entity type, TRBC sectors, headquarters address and hierarchy overview. From this screen, you can confirm that the selected entity is the one you want to rent and/or add to any of your entity lists.

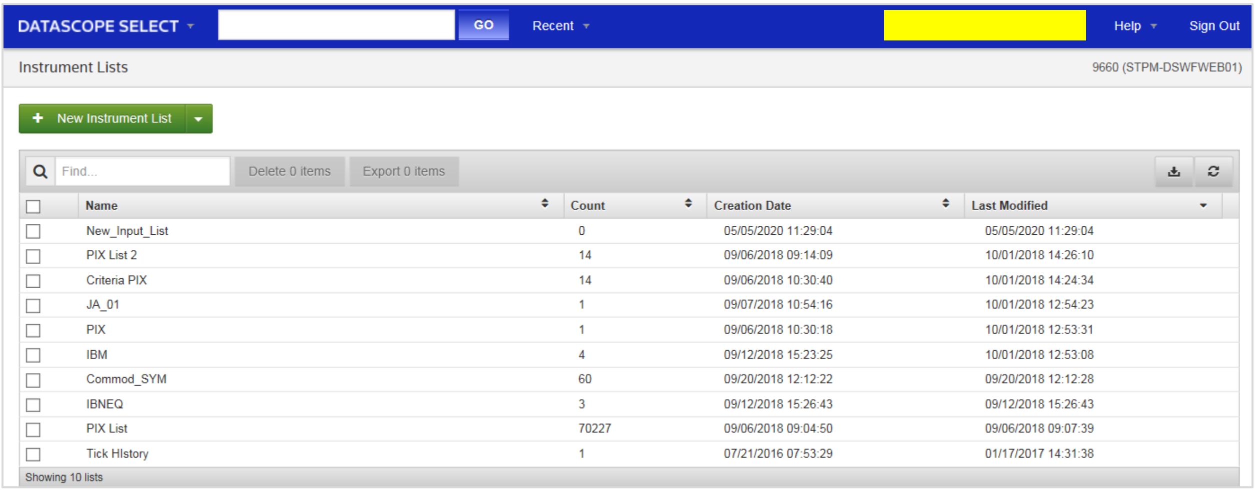
To enable the other screens for the verified entity, you must click **Rent Legal Entity**. A confirmation dialog alerts you that you will begin to be charged for the verified legal entity's data, and asks if you want to continue. Rental charges do not apply to unverified entities.

All **Details** screens appear by default when you load an unverified legal entity:

NOTE: The "Verified" flag applies to entities only. It is not applicable to funds.

Managing Input Lists

You can manage your existing input lists by clicking **DataScope Select**, and then selecting **Instrument Lists** or **Entity Lists**. All of your existing instrument or entity lists appear in a scrolling list. For each list, the number of instruments or entities in the list are identified, along with the list creation and last modified dates.

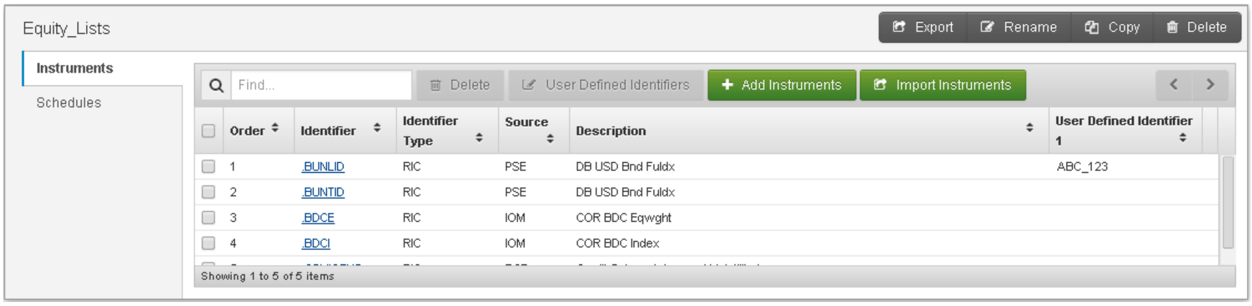


You can manage your input lists as follows:

- To initiate a new input list, click **New Instrument List** or **New Entity List**. Click ▼in the button to create the list from an import file.
- Use the **Find** box to search for an input list. When you enter a text string, only the lists matching that text appear.
- To enable the **Delete *x* Items** and **Export *x* Items** buttons, click on one or more check boxes. The buttons update to show the number of lists selected.
- To delete one or more selected lists, click **Delete *x* Items**. Note that deleted input lists cannot be restored. Therefore, try to export the instruments or entities before you delete the list. If you delete a list that is part of a pending extraction, you must remove or update the extraction schedule. Otherwise, the scheduler will continue to attempt to execute the extraction and the extraction will fail.
- To export one or more selected lists, click **Export *x* Items**. You can export a maximum of up to 100 input lists simultaneously to a CSV or XML formatted file. Multiple files are saved to a zipped file with a default name of **InstrumentLists.zip** or **EntityLists.zip**.
- To export the grid and all of the contents in it, click . This action launches a separate window from where you can open or save the grid to a comma separated value (csv) file. The file takes the name of the selected screen and the entire contents of the grid are exported. For example, exporting this screen will result in a file named **InstrumentList.csv** that includes your instrument list details under the following columns: **Name**, **Count**, **CreatedDateTime** and **ModifiedDateTime**.

Managing Instruments & Entities

To view the instruments or entities in an input list, click on the list. The window expands to show the items in that list.



You can manage the instruments or entities in your input lists as follows:

- Use the **Find** box to search for a particular instrument or entity. When you enter a text string, only the items matching that text appear.
- To enable the **Delete** button, click on one or more items in the list. Click the button to delete the items. You will be prompted to confirm the deletion.
- To assign an identifier to use for internal auditing and tracking purposes, click on an item, and then select **User Defined Identifiers** (this button is disabled when multiple items are selected). In the **Edit User Defined Identifier** screen, enter up to six identifiers for a selected instrument. When you click **Save**, the screen updates to show the identifier(s) that you entered.
- To add items to the list, click the **Add** or **Import** buttons. See Adding Instruments/Entities for instructions.
- To view the extractions schedules that include the selected input list, click **Schedules**. The screen updates to show the schedule name, extraction recurrence, report tied to the extraction and report template type. You can click on the schedule or report template name to edit it.
- To create a new schedule with the selected input list, click **New Schedule**. The screen refreshes to show the **Create New Schedule** screen. To create an immediate schedule, click the ▼ in the **New Schedule** button, and then click **New Immediate Schedule**. When the **Schedule** wizard appears, the **Instrument List** or **Entity List** box is automatically populated with the input list name.
- For instructions on creating extraction schedules, see Creating Extraction Schedules.

Creating Criteria Lists

Criteria-based extraction support allows you to define the criteria that are used as input for an **EOD Pricing** or **Terms and Conditions** extraction. Each time your extraction executes, the criteria are run to provide the most current set of instruments available at that time, up to the maximum number of rows allowed for that extraction type.

Criteria based extraction support is available currently for global bank loans, commodity instruments and Depository Trust & Clearing Corporation (DTCC) corporate instruments and money markets. Support is also available for filtering Markets in Financial Directives (MiFID) Sub-Class records.

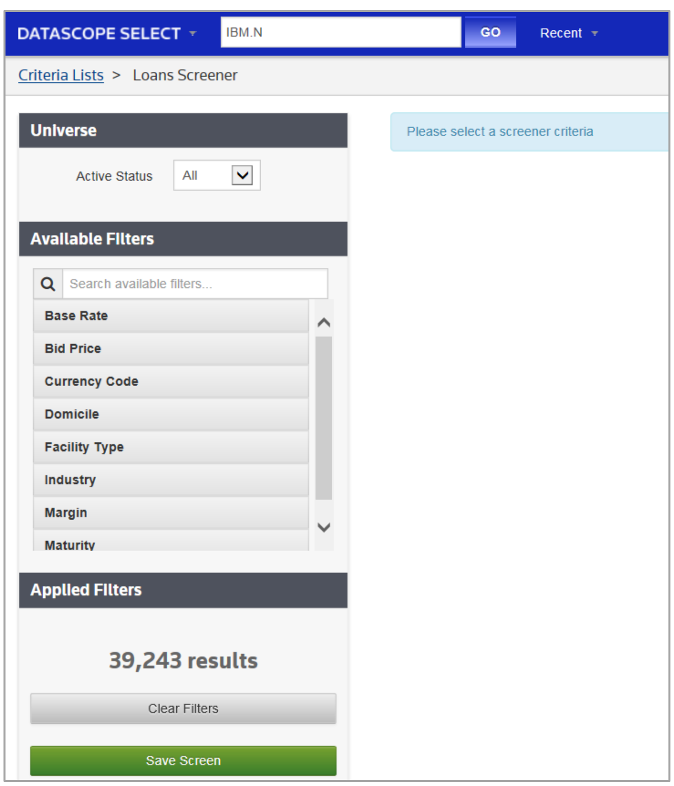
NOTES: Reference data from DTCC is fee-liable and orderable via separate packages for corporate instruments and money markets. Entitled clients can use the DTCC Screener to create input for extractions. Non-entitled clients can create criteria and instrument lists with DTCC instruments, but no data will be output for them in extractions.

Access to MiFID Sub-Class records requires permissioning. Please contact your local account manager or sales specialist for details.

Defining Criteria

1. Click **DataScope Select** and under **Criteria** Lists, select **Commoditie**s, **DTCC**, **Loans** or **MiFID Sub-Class** (hidden for non-permissioned clients).

   The Screener for the selected item appears. The total number of available items without filtering applied is shown at the bottom of the screen under **Applied Filters**. This number will update as filters are applied. A message at the top of the screen prompts you to enter criteria, as with this example showing the **Commodities Screener**:



2. In the **Universe** section, select options for filtering the universe of instruments/records as follows:

   - For **Commodities**, use the **Active Status** and **Basis Gap** drop-downs to filter the universe of instruments. For **Active Status**, you can select **Active**, **Inactive** or **All** to include both active and inactive instruments. For **Basis Gap Adjusted** you can select **True**, **False** or **All** to indicate whether the returned instruments are subject to a basis gap adjustment.

   - For **DTCC** instruments and **Loans**, use the **Active Status** drop-down to filter on **Active** only, **Inactive** only or both **Active** and **Inactive** instruments. Additionally, for DTCC instruments, use the **Distribution Source** dropdown to distinguish between DTCC money markets (**DTC**) and DTCC corporates (**DCA**), or select **All** to return both.

   - For **MiFID Sub-Class**, select an **Asset Class**, and then select a **Sub-Asset Class** from the corresponding drop-downs. The available sub-classes update based on your asset class selection. The criteria listed in the **Available Filters** section will update dynamically based on these selections.

   The available asset classes and corresponding sub-asset classes are as follows:

Asset Class	Available Sub-Asset Classes
Credit Derivatives	Single Name Credit Default Swaps (CDS) Index Credit Default Swaps (CDS) Single Name Credit Default Swaps (CDS) Options Other Credit Derivatives
Foreign Exchange Derivatives	Deliverable Forward (DF) Non-Deliverable Forwards (NDF) Deliverable Foreign Exchange (FX) Swaps (DS) Deliverable Foreign Exchange (FX) Options (DO) Non-Deliverable Foreign Exchange (FX) Options (NDO) Foreign Exchange (FX) Futures Non-Deliverable Foreign Exchange (FX) Swaps (NDS) Other Foreign Exchange (FX) Derivatives
Equity Derivatives	Stock Options Portfolio Swaps Stock Futures/Forwards Stock Index Futures/Forwards Stock Index Options Exchange-Traded Fund (ETF) Options Exchange-Traded Fund (ETF) Futures/Forwards Other Equity Derivatives Swaps
Interest Rate Derivatives	Forward Rate Agreements (FRA) Float to Float Swaps (multi-currency) Fixed to Float Swaps (multi-currency)

Asset Class	Available Sub-Asset Classes
	Fixed to Fixed Swaps (multi-currency) Float to Float Swaps (single currency) Interest Rate (IR) Options Fixed to Fixed Swaps (single currency) Fixed to Float Swaps (single currency) Overnight Index Swaps (OIS) (single currency) Inflation Swaps (single currency) Bond Futures/Forwards Bond Options Interest Rate (IR) Futures Overnight Index Swaps (OIS) (multi-currency) Swaptions Inflation Swaps (multi-currency) Other Interest Rate Derivatives
Contracts For Difference (CFDs)	Equity Contracts For Difference (CFDs) Contracts For Difference (CFDs) on Equity Futures/Forwards Stock Futures/Forwards Commodity Contracts For Difference (CFDs) Currency Contracts For Difference (CFDs) Deliverable Forward Energy Commodity Swaps
Commodity Derivatives	Energy Commodity Futures/Forwards Metal Commodity Futures/Forwards Energy Commodity Swaps Energy Commodity Options Agricultural Commodity Futures/Forwards Metal Commodity Options Agricultural Commodity Options Metal Commodity Swaps Agricultural Commodity Options Other Commodity Derivatives
C10 Derivatives	Freight Derivatives

3. Select one or more filters for defining your criteria.

   When you select a filter, a separate window appears, listing the available items for that filter.

Commodity Filters

Filter	Type	Description
Asset Categories	TEXT	Select one or more commodities type.
BTU Per Barrel	NUMERIC	Enter a specific number of range to indicate the British Thermal Units (BTU) per barrel.
Barrels Per Ton	NUMERIC	Enter a specific number of range to indicate the barrels per ton.
Currencies	TEXT	Select one or more market level ISO currency codes for the trading instrument.
Exchanges	TEXT	Select one or more exchanges identifying where the instrument trades.
Expiration Date	DATE	Enter a date or date range identifying when the instrument expires or matures.
File Code	TEXT	Select one or more file codes representing the grouping of commodity instruments.
Frequency of Update	TEXT	Select one or more occurrences indicating how often pricing for the instrument updates.
Lot Units	TEXT	Select the physical units in which a contract trades.
PDP Code	TEXT	Select one or more PDP codes for identifying the list of instruments relevant to a specialist's packages.
RCS Underlying Product	TEXT	Select one or more underlying product classifications as provided by Refinitiv.
Source Name	TEXT	Select one or more descriptions of the source of the data.
Source Type	TEXT	Select one or more labels for the type of institution related to the Source Name.
Staleness Indicator	TEXT	Select one or more indicators for the RIC: Good, Suspect or NA. This indicator holds a pre-defined value determined from the difference between the confirmed time series update frequency for a Commodity RIC and its most recent update. If the last update on the RIC in history is more distant than the defined frequency for the RIC, then that RIC will be marked as “Suspect”.
TR Classification	TEXT	Select one or more instrument's asset classification schemes as provided by Refinitiv.

Filter	Type	Description
Underlying Asset	TEXT	Select one or more commodity categories for the RIC of the asset into which the instrument converts.

DTCC Filters

Filter	Type	Description
Instrument Type	TEXT	Select one or more DTCC instrument types: • Certificate of Deposit – Institutional • Commercial Paper • Asset Backed Commercial Paper • Certificate of Deposit
Issue Date	DATE	Specify the instruments’ issue date or date range.
Maturity Date	DATE	Specify the instruments’ maturity date or date range.
TR Classification	TEXT	Select the instruments’ classification: • Certificate of Deposit • Commercial Paper

Loan Filters

Filter	Type	Description
Base Rate	TEXT	Select the type of interest rate by which the company's facility is tied.
Bid Price	NUMERIC	Specify the last bid price for the trading day.
Currency Code	TEXT	Select one or more Currencies for the bank loan.
Domicile	TEXT	Select one or more current countries belonging to the company's principal executive offices.
Facility Type	TEXT	Select one or more classifications of the facility type.
Industry	TEXT	Select one or more industries for the loan.
Margin	NUMERIC	Specify the value added to the indicated base rate on the facility.
Maturity	DATE	Specify the maturity date for the bank loan.

MiFID Sub-Class Filters

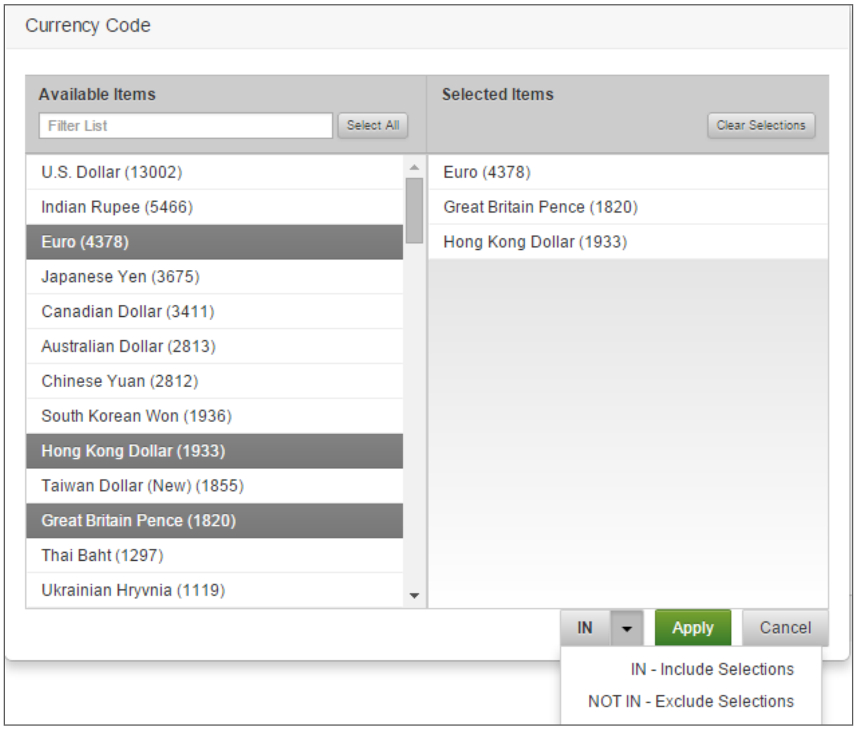
Filter	Type	Description
CDS Sub-Class	TEXT	CDS index sub-class and single name CDS sub-class used to create the Sub-Class.
Delivery Cash Settle Location	TEXT	Settlement location for the Sub-Class. Field to be populated when the base product specified in field 35 in Table 2 of the Annex in [RTS on Reference data] is equal to energy.
Freight Size	TEXT	Size of the freight for the Sub-Class.
Freight Sub Type	TEXT	Sub Type of the freight for the Sub-Class.
Freight Type	TEXT	Type of the freight for the Sub-Class.
Load Type	TEXT	Load type defined as baseload, peakload, off-peak or others for the Sub-Class. Applicable to energy type: electricity.
MiFID Contract Type	TEXT	ESMA scheme for Contract Type for the Sub-Class.
MiFID Liquidity Flag **	TEXT	Flag indicating the instrument is liquid per ESMA.
MiFID Underlying Index Name	TEXT	Name of the underlying index for the Sub-Class.
Notional Currency	TEXT	Currency for the Sub-Class, in which the notional is denominated.
Notional Currency Pair	TEXT	Combination of Notional Currency 1 and Notional Currency 2, for the Sub-Class.
Parameter	TEXT	Equity swap or portfolio swap parameter for the Sub-Class.
Post Trade LIS Threshold Value **	NUMERIC	Post trade large-in-scale threshold value for the Sub-Class from ESMA. For Sub-Asset Class, this the threshold for illiquid instruments.
Post Trade SSTI Threshold Value **	NUMERIC	Post trade size-specific-to-instrument threshold value for the Sub-Class from ESMA. For Sub-Asset Class, this the threshold for illiquid instruments.
Pre Trade LIS Threshold Value **	NUMERIC	Pre trade large-in-scale threshold value for the Sub-Class from ESMA. For Sub-Asset Class, this the threshold for illiquid instruments.

Filter	Type	Description
Pre Trade SSTI Threshold Value **	NUMERIC	Pre trade size-specific-to-instrument threshold value for the Sub-Class from ESMA. For Sub-Asset Class, this the threshold for illiquid instruments.
Settlement Type	TEXT	Settlement type defined as cash, physical or other for the Sub-Class.
Specific Route or Time Charter Average	TEXT	Specific route or time charter average of the freight for the Sub-Class.
Term of the Underlying Bond	TEXT	Term of the underlying deliverable bond for the Sub-Class, defined by the parameters defined by ESMA.
Term of the Underlying Interest Rate	TEXT	Term of the underlying interest for the Sub-Class.
Time to Maturity Bucket	TEXT	Time to maturity bucket for the Sub-Class.
Time to Maturity Bucket of the Option	TEXT	Time to maturity bucket of the option for the Sub-Class.
Underlying Asset Type	TEXT	Underlying asset type for the Sub-Class.
Underlying Commodity	TEXT	Underlying commodity for the Sub-Class.
Underlying Interest Rate	TEXT	Underlying interest rate or underlying interest rate future or FRA for the Sub-Class.
Underlying ISIN	TEXT	The ISIN of the underlying instrument for the Sub-Class.
Underlying Issuer LEI	TEXT	The LEI of the underlying issuer for the Sub-Class.
Underlying Reference Entity Type	TEXT	Underlying issuer type for the Sub-Class.
** These filters appear by default for all Asset Classes and Sub-Asset Classes. The remaining filters appear dynamically based on the selected Asset Class and Sub-Asset Class.		

4. Use the text, date and numeric filters as follows:

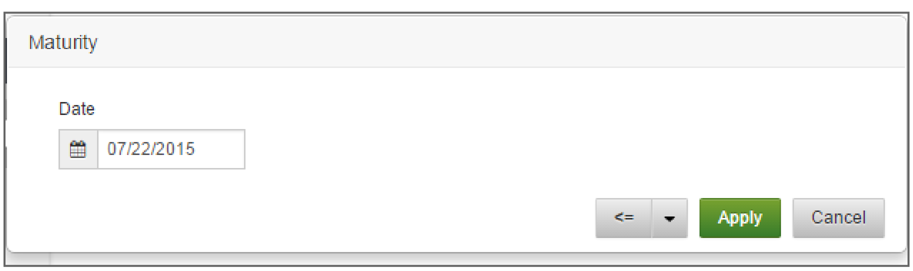
- **Text**

  Click on one or more items under **Available Items** to move them to the **Selected Items** list. You can quickly filter the list by entering text in the **Filter List** box. When you enter text, only the items matching that text appear. Use the IN (default) / NOT IN selections to specify include/exclude conditions around the selected items.



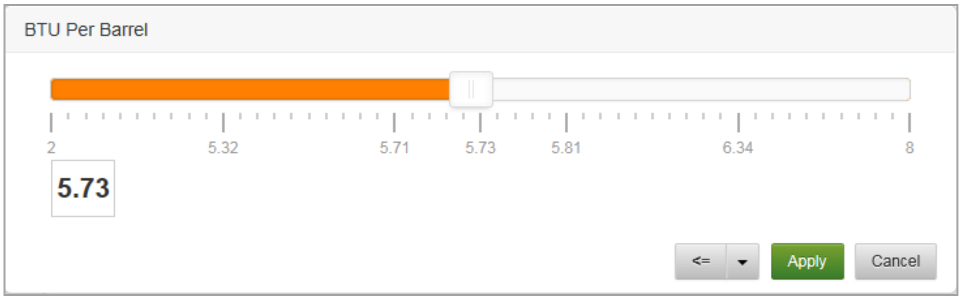
- **Date**

  Use the calendar to select the desired date or date range, and then specify a condition for that value from the drop-down list: < Less Than, <= Less than or equal, = Equals, != Not Equals, > Greater Than, >= Greater than or equal, or BETWEEN.



- **Numeric**

  The default value is displayed in an editable text box. Enter a new value directly in this box. You can also use the range button to increase or decrease the numeric value, and then specify a condition for that value from the dropdown list: < Less Than, <= Less than or equal, = Equals, != Not Equals, > Greater Than, >= Greater than or equal, or BETWEEN.

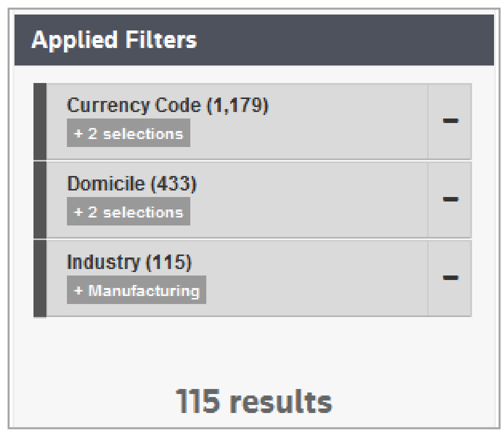


NOTE: The default value for a filter can be different from an extracted value of the same field (for example, Bid Price). The difference can occur because of the window between when the filter results are cached and when the extraction is executed. In most instances, the differences will be minor.

For example, some numeric values can have different decimal precision while some text values can have slightly different wording, though the same meaning. Price fields are based on the last end of day value at the time the criteria list is saved, whereas prices output in extractions reflect the current end of day prices.

- **Applied Filters**

This section lists the filters you have applied and the resulting number of matching instruments for that filter, displayed in parenthesis. This number updates with each filter applied in the order in which the filters are applied.



For example, if **Currency Code** is the first filter applied, the number in parenthesis will show the number of instruments matching the selected currencies. If the **Domicile** filter is applied next, the number of matching instruments will be the results of the number of matching domiciles from the list of matching currencies, and so on.

The item or number of items selected is identified below the filter name. For example, if you selected multiple currencies, the number selected will appear. If you selected one item, for example one industry, the selected value is shown instead. The resulting number of instruments appears below the applied filters. This number updates with each filter applied.

You can change the order of the filters by clicking on the vertical gray bar on the left-hand side of the filter and dragging the filter to the desired location in the list. The number of matching instruments will update to reflect the filter ordering.

To update a filter, click on the filter name. To remove the filter, click . Your results will update to reflect the removed filter.

Viewing Results

Each time you apply a filter, the screen updates to show the matching instruments in a table with identifying information about each instrument.

- Your results are truncated at 500 and 100 instruments are shown on screen at one time. Use the > and < arrows to navigate the list.
- Instruments are identified by the preferred identifier type. Use the **Preferred Identifier** drop-down to make your selection. The available identifiers are based on the screener type:
  - **Commodities** – RIC
  - **DTCC** – AIFP, CIN, Common Code, CUSIP, ISIN, ISMA, Local Code, PPN, RIC, Sedol, SICC, Sicovam, Valoren & Wertpapier
  - **Loans** – CUSIP, LIN & RIC
  - **MiFID Sub-Class** - PermID & Expandable PermID
- Click on the identifier in the table to view additional information about the instrument via the **Details** screens.
- Note that the resulting instruments are not a static list that remains fixed once the criteria are defined. It is possible for the list of instruments to change from day to day.

Saving Criteria & Results

- **To save the selected criteria as a new criteria list:**

1. Click **Save Screen**.
2. Enter a screen name, and then click **Save**.

   The screen is added to the **Criteria Lists** screen. See the next section for details on managing your criteria lists.
3. To update a previously saved screen, click **Update Screen**.
4. To save the screen filter as a new criteria list, click **Save as New**, and then enter a screen name, and click **Save**.

NOTE: When you use the criteria list in an extraction, the preferred identifier is used to retrieve data for the filtered instruments.

To ensure data retrieval in extractions, please select **RIC** as the Preferred Identifier when saving a **Commodities** criteria list. Trading Symbol should be used for viewing filtered commodities on screen only. Trading Symbols cannot be validated and will not return data in extractions. The corresponding notes file will return a warning stating that the trading symbols, identified as type **SYM**, could not be validated

Selecting **PIX** (Expandable Perm ID) for **MiFID Sub-Class** criteria lists will enable PIX expansion of its constituent records upon extraction.

- **To add results to an instrument list:**

  1. Click **Add Results to List** to add all returned items to one or more of your instrument lists.

     This button will be disabled when the number of results is more than 75,000 to align with instrument processing limits for **EOD Pricing** and **Terms and Conditions** extractions.

  2. To add selected instruments, select one or more instruments in the results screen, and then click **Add *n* items To List**.

- **To export results to a comma delimited (.csv) file:**

  1. Click the export button  at the top of the results table.

     The first 75,000 instruments will be exported to the file, along with all of the content under the column headers. The 75,000-instrument limit aligns with instrument processing limits for **EOD Pricing** and **Terms and Conditions** extractions

     The file is assigned the default name of **CommoditiesScreenerResults** or **LoansScreenerResults**,

  2. Enter a name for the file, if desired, and then click **Save**.

  3. Repeat as needed to save additional instruments beyond the 75,000 limit to separate files.

Clearing Filters

- **To clear all selected filters:**

  - Use the clear button 

 to clear all filters simultaneously.

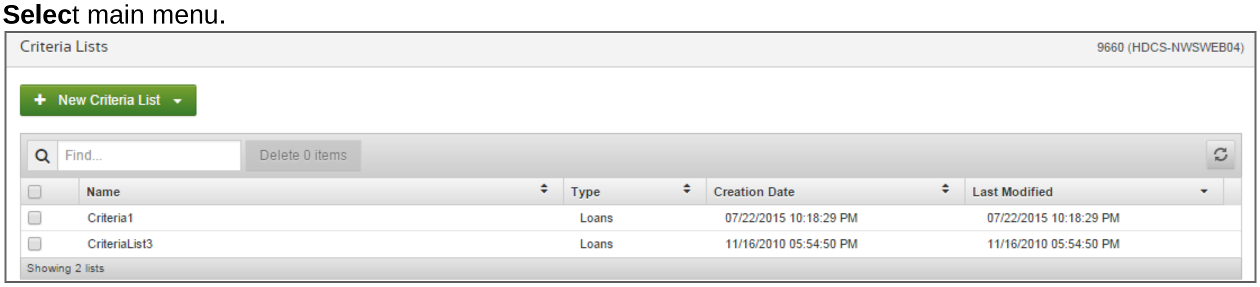
- **To revert to saved:**

  - Use the **Revert to Saved** button 

 to undo any changes you have made since your last save.

Managing Criteria Lists

Your saved screener is added to the **Criteria List** screen, which you can access from the **DataScope Select** main menu.

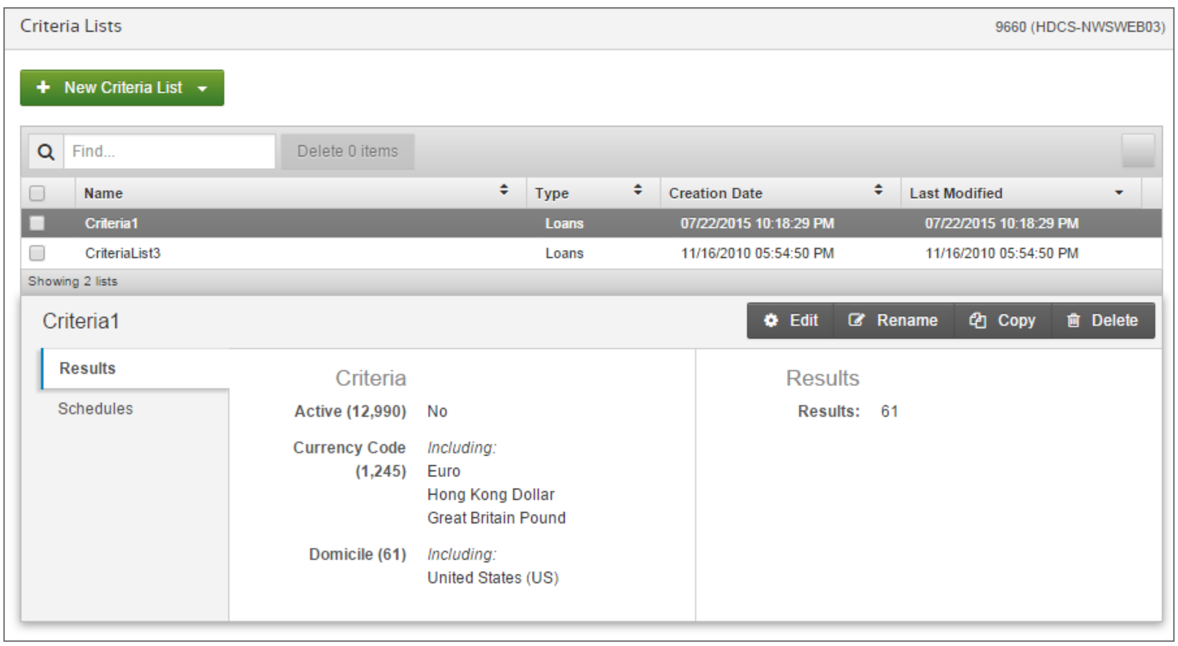


You can manage your criteria lists as follows:

- To create a new criteria list, click **New Criteria List**, and then select N**ew Commodities Screen** or **New Loans Screen**.
- Use the **Find** box to search for a particular criteria list.
- To enable the **Delete** button, click on one or more items in the list. Click the button to delete the items. You will be prompted to confirm the deletion.

To manage criteria lists:

- Click on the criteria list. The screen expands to show the schedule details.
- To view the extractions schedules that include the selected criteria list, click **Schedules**. The screen shows the schedule name, extraction recurrence, report tied to the extraction and report template type. You can click on the schedule or report template to edit it.
- To create a new schedule with the selected criteria list, click **New Schedule**. The screen shows the **Create New Schedule** screen from where you can create a new or new immediate extraction schedule with the selected criteria list.



- To perform a task on the selected criteria list, use the **Edit**, **Rename, Copy** and **Delete** buttons.
  - When you click **Edit**, the screen refreshes to show the selected screener with the applied filters shown. Make any necessary edits, and the do any of the following:
    - Click **Update Screen** to save the existing filter with your changes applied.
    - Click the drop-down, and then select **Save as New** to save your applied filters as a new criteria list. You are then prompted to enter a new name for the criteria list.
    - Click **Cancel** to cancel your edits. Your criteria list will revert to its previously saved state.
  - To rename the criteria list, click **Rename**, and then enter a new name in the **Rename List** box.

    No action is required if you renamed a criteria list that is tied to a pending extraction schedule. DataScope Select will detect the new name automatically and the new name will appear in the **Schedules** list.
  - To duplicate the selected criteria list, click **Copy**.

    The name of the list prefixed with **Copy_of** appears in the **Copy List** box. Accept the default name or enter a new one.
  - To delete the selected criteria list, click **Delete**.

    You will need to update any schedule that includes the deleted criteria list.

Creating User Instruments

This section provides instructions for creating user instruments (credit default swap, interest rate swap, and over-the-counter equity instruments). You can do this by defining a single-named user instrument in the **User Instrument** screen or by importing bulk user instruments into an input list via the **Instrument Lists** screen. Both actions are performed from the **Extractions** drop-down menu.

NOTE: Creating a user instrument via the DataScope Select user interface only saves the instrument to the DataScope database. To retrieve evaluated prices, you must add the user instrument to an instrument list, and then schedule that list for an extraction execution.

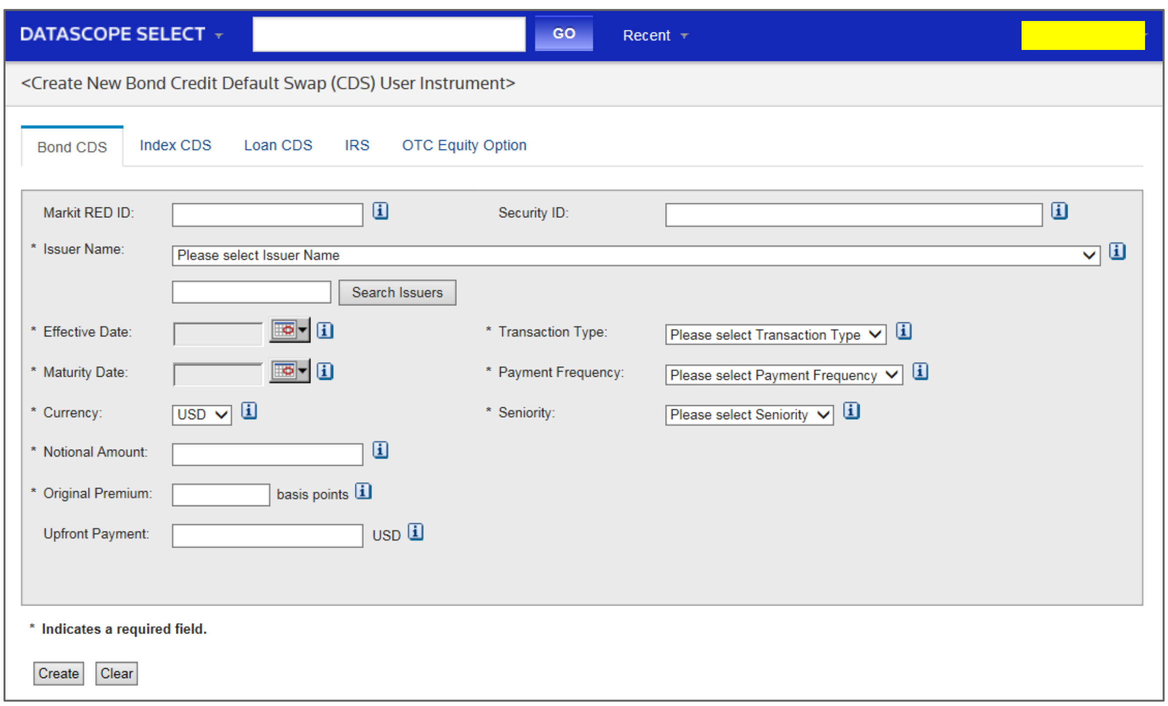
Defining Single-Name User Instruments

Use the **User Instrument** screen to define the attributes for any single name CDS (Bond, Index, or Loan), IRS or OTC Equity Option contract. The user interface supports single security creation only.

- **To create a user instrument:**

1. Click **DataScope Select** and select **User Instrument**.
2. Select the **Bond CDS**, **Index CDS**, **Loan CDS**, **IRS** or **OTC Equity Option** tab.

   The screen updates to show the relevant input fields for the selected instrument type.



3. Specify the instrument's attributes in the fields provided.

   Required fields are indicated with an asterisk (*). Tool tips are also provided to guide you through the user instrument creation process.

   Note the following:

   - The underlying instrument on which the CDS, IRS or OTC Equity Option contract is based must exist in the DataScope Database and be identified a supported identifier type.
   - OTC Equity Option user instruments are valued in the currency of the exchange on which the underlying instrument trades. Currency conversions are not supported.
   - Access to Markit RED Identifiers requires third-party content permissions. Contact your local account manager or sales specialist if you need access to this content.
   - Exchange is an optional field for creating OTC Equity Option user instruments. If you specify an exchange, DataScope Select uses that exchange to retrieve the closing price for the underlying instrument. If an exchange is not specified, DataScope Select defaults to the primary exchange RIC linked to the specified ISIN/SEDOL/Ticker.
   - Make sure to enter numeric values in the format specified in your user **Preferences**; otherwise, the field will return an error message when you attempt to create the instrument.

4. For Bond and Loan CDS, use the **Search** button to quickly look up issuers:

   You can enter all or part of the issuer name (e.g., 'Dow Chemical' or 'Dow'), and then click **Search Issuers**. The **Issuer Name** drop-down list will be reduced so that only the issuers matching your input appear in the list. All other issuers are hidden. If more than one issuer is returned, you must select the issuer you want from the abbreviated list.

   The box is blank if no issuers match your input. Click **Reset Issuers** to clear the search.

   If you are permissioned for Markit RED Identifiers and select a valid **Issuer Name**, the corresponding identifier is automatically populated in the **Markit RED ID** field, if one exists in the DataScope database. The **Markit RED ID** field remains blank if you are not permissioned for Markit RED Identifiers.

5. Click **Create**.

   Your input is validated and if no errors are identified, your user instrument is added to the DataScope database. When validation fails, one or more error messages appear at the bottom of the screen. The field in which the error occurred is identified.

   To resolve any errors, try the following:

   - Make sure that all required fields (*) are specified.
   - Make sure that numeric values are formatted as specified in your user **Preferences**.
   - Make sure that text fields use supported characters.

   Important!

   You c**annot updat**e a user instrument once it has been created. To make changes, you must delete the existing instrument, and then enter recreate it with the new attributes.

Adding User Instruments to Instrument Lists

Once created, the user instrument is added to the DataScope database, and the screen updates to show your instrument in the **Instrument Details** screen. The **Summary** screen fields are populated with the terms and conditions that you specified for the instrument.

- **To add the new user instrument to an instrument list:**

1. Click **Add To Lists**.

   NOTE: Remember this process creates the user instrument only. To retrieve evaluated prices, you must add your user instrument to an instrument list, and then schedule that list for an extraction.

   The screen updates to show all of your existing instruments lists

2. Use the check boxes to select the instrument lists.
3. Click **Add New Instruments**.

   NOTE: You can also add any of your previously created user instruments to an instrument list. This is done via **Search**. See Searching User Instruments for instructions.

Importing Bulk User Instruments

You can import bulk CDS, IRS and OTC Equity Option user instruments into a new or existing input list using a CSV or XML formatted file. CSV capabilities enable you to import **existing** user instruments only.

With XML, you can create and add user instruments to an input list simultaneously. Note that your import list can contain any mix of user instruments, as well as other supported asset types. For instructions on creating the XML-formatted file, see the *Refinitiv DataScope Select FTP User Guide.*

- **To import bulk user instruments:**

1. Create your CSV or XML formatted bulk instrument list.
2. Click **DataScope Select**, select **Instrument Lists**, and then create a new or select an existing input list.
3. Select **XML** or **CSV** for the file type.
4. Click Import Instruments.
5. Click Browse, locate the file, and then select Append to existing instruments or Replace existing instruments.
6. Click **Import**.

   After the instruments are processed, the import results appear at the bottom of the screen. Your validated CDS, IRS, and OTC Equity Option user instruments are collectively identified as **User Defined**.

   Any user instruments that could not be validated are also identified. These instruments are not imported into the list.

Searching User Instruments

Once you create a CDS, an IRS or OTC Equity Option user instrument, that instrument is added to the DataScope database. During the life of the instrument, you can access it at any time and add it to any of your instrument lists and/or view and print the instrument's details.

Your user instrument is permanently deleted 30 days after the instrument's maturity. Alternatively, you can delete one or more of your user instruments any time before they are automatically deleted. Deleted user instruments cannot be restored, so make sure you want to delete them before doing so.

You can access your user instruments from **Search** via the **CDS, IRS** or **OTC Equity Options** search screens. Search returns only your user instruments. You cannot search for another user's CDS, IRS, or OTC Equity Option user instruments.

- **To search for your user instruments:**

  1. Click on the **DataScope Select** menu, and then under **Search**, select either **CDS**, **IRS** or **OTC Equity Options**.

  2. Perform the search as follows:

     - To search for a specific CDS, IRS or OTC Equity Option user instruments, enter the security identifier in the **Identifier** box, and then click **Search**. This is the identifier that you assigned the user instrument when you created it. An identifier is assigned automatically if you did not assign one.

     - To construct a criteria-based query, enter search criteria in the fields provided, and then click **Search**.

       Your matching user instruments appear in the results table at the bottom of the screen, listed in chronological order, with the most recently updated instrument appearing first. You can reverse the sort order by clicking on the column header.

  3. Do one of the following:

     - **To add one or more user instruments to any of your instrument lists:**

       a. Click the check boxes next to one or more instruments.

       b. Click **Add To Instrument Lists**.

     - **To view the details of a selected user instrument:**

       a. Click the check box next to the instrument to view.

       b. Click **Instrument Details** at the top or bottom of the table.

     - **To delete one or more of your user instruments:**

       Note that the **Delete** function deletes the user instrument from the DataScope database. It does not delete the instrument from your existing instrument lists. You must also delete the instrument from the corresponding instrument list.

       a. Click the check box next to one or more instruments.

       b. Click **Delete** at the top or bottom of the table, and then click **Delete** again when prompted.

4 Defining Report Templates

In this Chapter:

- Selecting Report Templates
- Formatting Report Templates
- Managing Report Templates
- Managing an Existing Report Template
- Importing Report Templates

This chapter takes you through the process of defining a reports template. It consists of selecting a report type and then formatting the report (defining report parameters, selecting fields and specifying optional header and trailer information). You can accept the default field formatting or apply your own formatting to meet your needs.

Support for importing a report template from an XML-formatted file is also provided.

Selecting Report Templates

NOTE: You can create report templates for any report available in DataScope Select. However, no extraction will be generated for a report for which you are not permissioned.

- **To create a new report template:**

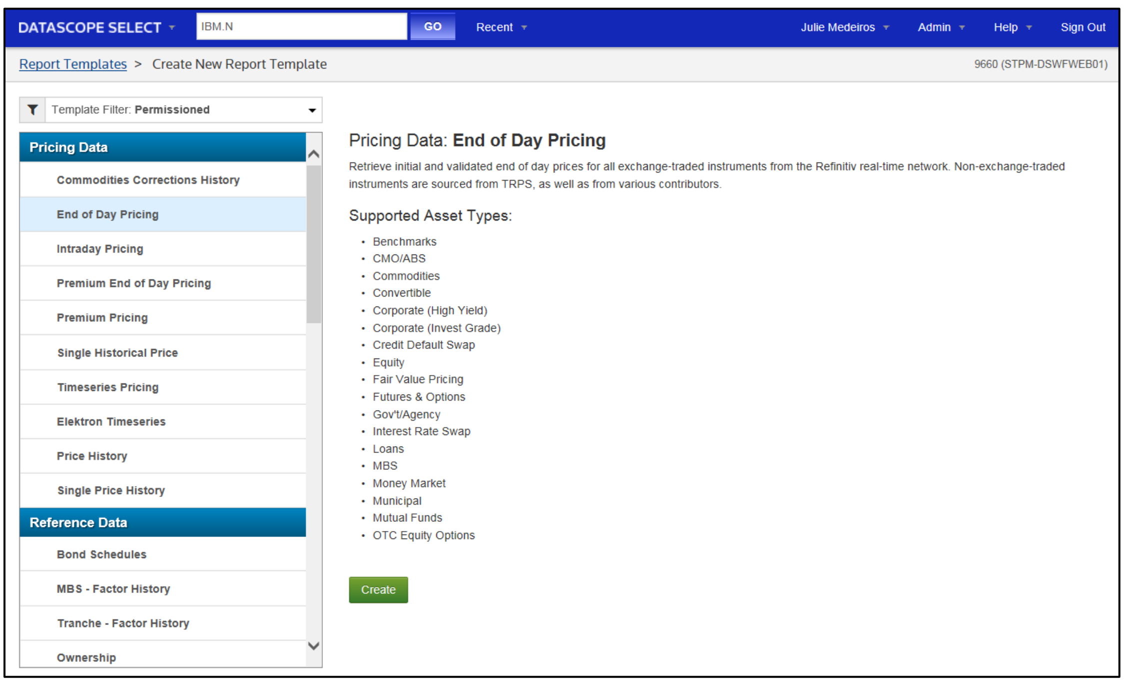
1. Click DataScope Select, and then under **Report Templates**, click **Create**.

   This action launches the **Create New Report Template** screen.

   The available report templates appear in the scrolling list, located on the left side of the screen. Report templates are grouped by type, meaning all pricing reports are grouped under **Pricing Data**, Reference reports are grouped under **Reference Data**, and so on.

   Use the **Template Filter** to filter the available report templates. You can filter report templates by permissions (show all report templates or only those for which you are or are not permissioned) or by asset type:

2. Select a report type to view details of that report.



3. Click **Create** to create a new report template for the selected report type.

4. Format your report as described in the next section.

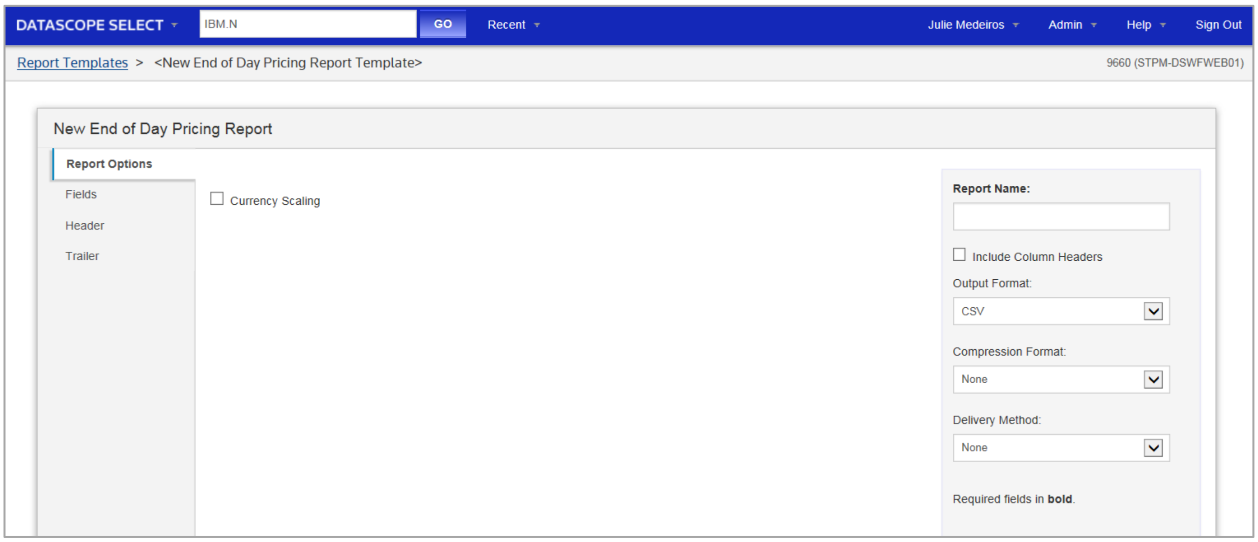
5. Click **Save** to save your report.

Formatting Report Templates

You format your report across the following tabs: **Report Options**, **Fields**, **Header** and **Trailer**. The **Header** and **Trailer** tabs are optional.

Defining Report Options

The **Report Options** tab consists of two sections. All input specific to the report type are defined in the middle of the screen, while input common to all report types, such as report name, output format, delivery method, etc. is defined in the box, located on the right:



To a define report template:

1. Enter report-specific information, if applicable, in the fields provided.

   For instructions, see the next section, Report Inputs. This section is blank for report templates that do not have specific inputs.

2. Enter a name for the report template in the **Report Name** box.

   An error message appears if you enter an invalid character. Note that double-byte character sets are not supported.

3. Check **Include Column Labels** to include column labels in your extraction output file.

4. Select an output file format from the **Output Format** drop-down list.

   The file can be formatted as a CSV, an XML, or a Delimiter file. For delimiter files, select a field separator from the drop-down list.

5. Select a file compression format from the **Compression Format** drop-down list.

6. Select a delivery method: **FTP**, **SFTP** or **None**.

   Your files are automatically delivered to the **Extracted Files** screen. If you are a Delivery Direct user, you can also specify FTP/SFTP automated delivery of your extraction files by defining one or more destination servers in the **FTP Automated Delivery** tab via **Preferences**, and then selecting **FTP** or **SFTP** for the **Delivery Method**.

7. Click on the **Fields** tab to select fields for your report template.

   For instructions, see Selecting Fields.

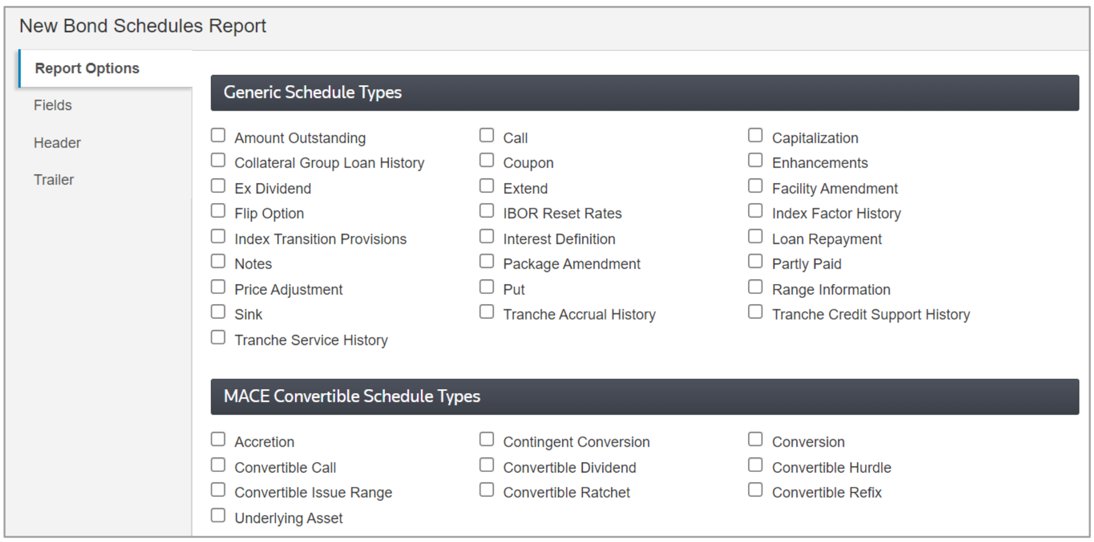
8. Click on the **Header** and **Trailer** tabs to define these optional sections for your report template.

   For instructions, see Specifying Header & Trailer Information.

9. Click **Save** to save the fields as part of the report with their default formats.

Report Inputs

- ***Bond Schedules***

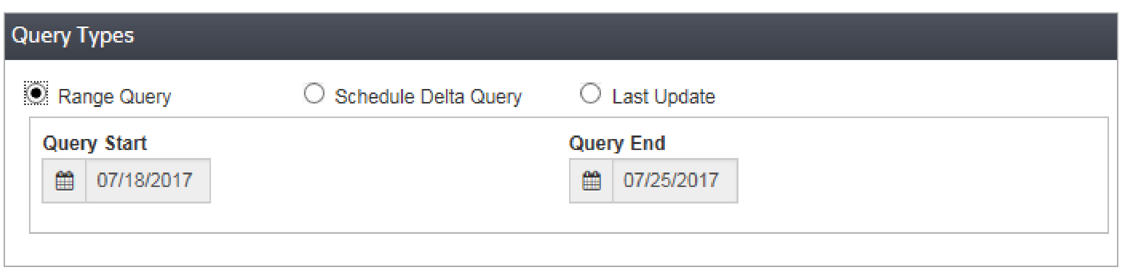


Select one or more schedule type check boxes. Note that access to MACE Convertible Schedules content requires separate permissions and is offered as a fee-liable service.

- ***Commodities Corrections History***

  Select a query for retrieving commodities corrections history:

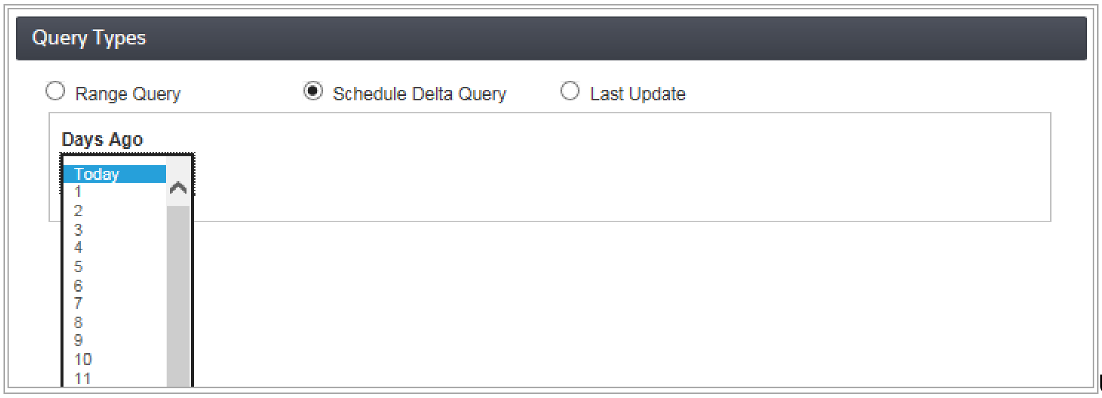
  - **Range:**



Use this query to return all corrections within specified start and end dates. For example, to backfill prices.

NOTE: Although the **Query Start** and **Query End** calendars enable you to select dates as far back as 1996, only 12 months of rolling history are available for **Commodities Corrections History** reports. No data exists for dates earlier than 2016.

- **Delta:**

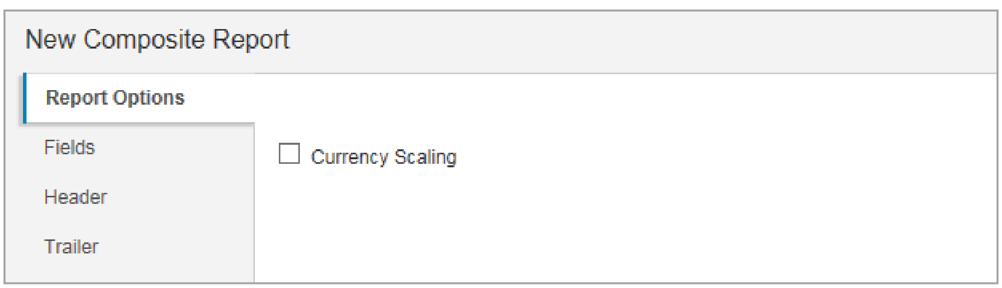
  

  Use this query to return corrections for the current date through a previous number of days (Today-31). Use it when you want to query at a less than daily frequency (for example, each Friday for corrections within the past week). It can also be used with a recurring daily schedule and a lookback of 1 Days Ago to retrieve the previous day's correction.

- **Last Update:**

  Use this query to return the most recent correction records from the past 12 months. Use it when you want to query daily for the latest corrections and can tolerate corrections from dates greater than yesterday. If earlier dates' corrections are not desired, Delta is recommended. There are no inputs for this query type.

- ***Composite & EOD Pricing***



1. Select **Currency Scaling** to extract certain prices in major currencies instead of the minor currencies in which some equity, funds, futures & options, and money/foreign exchange instruments are denominated.

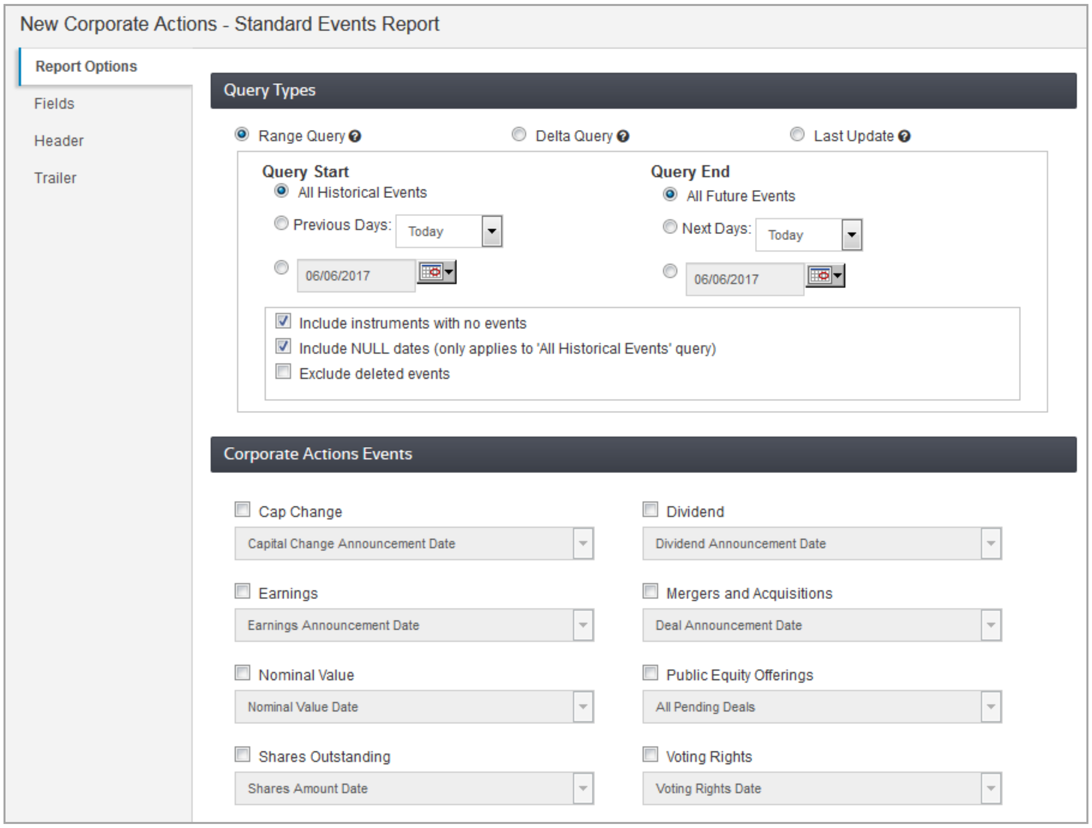
   This option works for converting minor currencies to major currencies only. It does not convert major currencies to minor currencies. For example, if an instrument is quoted in GBp, this option will convert the pricing to GBP. However, if the instrument is in GBP, no conversion will be performed.

   See the *Refinitiv DataScope Select Data Content Guide* ("Scaled Currency Field" column) for supported fields. For currency scaling factors, see the "Factor" column of the Currency Codes table in the GCODES Viewer.

2. To output converted currencies in extractions, make sure to include the **Currency Code Scaled** fields in your extractions.

   These fields output the converted minor currency code when **Currency Scaling** is selected in your report template. When the option is cleared, the default currency code will be output instead.

- ***Corporate Actions – Standard Events (Range Query)***



1. Specify **Query Start** parameters for extracting event data:
   - **All Historical Events** – Retrieve all events occurring today or in the past.
   - **Previous Days** – Retrieve all events that have occurred within a specified number of days in the past. This selection is similar to **All Historical Events**; however, you can narrow the historical date range to a specified number of days.

     Previous days are calculated based on the time zone specified in your user **Preferences**. Selecting 1 day ago will return all events that have occurred since 00:00 one day ago in your time zone (in this case, 1 day is not the equivalent of 24 hours).
   - **Calendar** – Retrieve all events as of the indicated date. You can select the current date or a historical or future date.

     To extract events occurring today (Current Events), select today's date in the calendar in both the **Query Start** and **Query End** sections.
2. Specify **Query End** parameters for extracting event data:
   - **All Future Events** – Retrieve all events occurring today or on some future date. Selecting this option includes today and beyond.
   - **Next Days** – Retrieve all events that will occur within a specified number of days in the future. This selection is similar to **All Future Events**; however, you can narrow the future date range to a specific number of days. All events that will occur within the specified number of days, beginning at 00:00 on the first date in the date range will be returned in your extraction.

- **Calendar** – Retrieve all events as of the indicated date. The date that you specify must be greater than or equal to the calendar date specified in the **Query Start** section.

3. Optionally, specify preferences for extracting standard events:

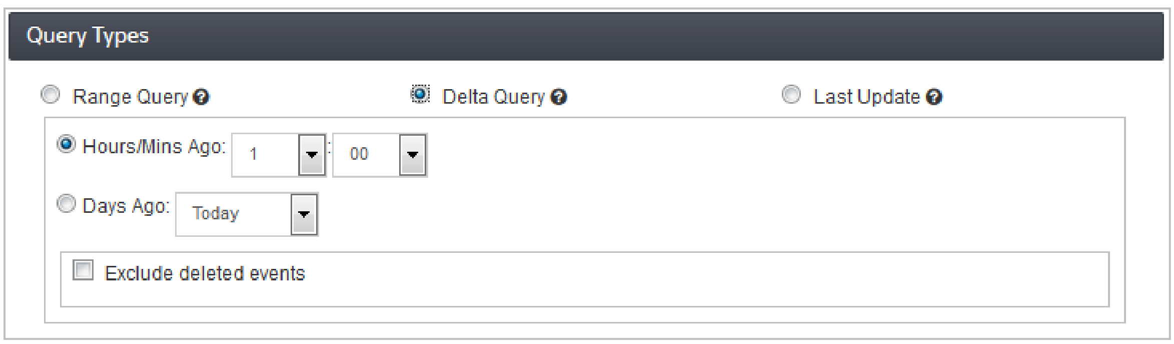
    - **Include instruments with no events** – Select to include or suppress instruments with no event data for all standard events.
    - **Include NULL dates for 'All Historical Events' query** – You can specify whether to extract or suppress historical records with null value(s) for the event date(s) selected from the dropdowns in the **Corporate Actions Events** section of the report template (see below).

      This preference is enabled by default for all event/data types; however, it is not relevant for Nominal Value, Shares and Voting Rights. This is because the available dates for these event types, Nominal Value Date, Shares Amount Date and Voting Rights Date, are never null.

    - **Exclude deleted events** – You can specify whether to include or exclude deleted records. This box is cleared by default. When selected, only currently valid records are included in the extraction.

4. Select one or more **Corporate Actions Events**, and then select the data to retrieve for that event from the corresponding drop-down lists.

- ***Corporate Actions – Standard Events (Delta Query)***



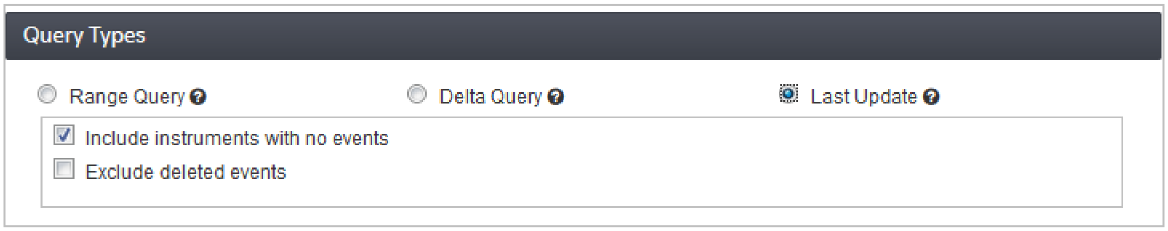
1. Select a range for extracting event data:

    - **Hours/Mins Ago** – Retrieve all events that have occurred within the specified number of hours and minutes of the extraction execution. Minutes are specified in 15-minute intervals.
    - **Days Ago** – Retrieve all events that have been announced within the specified number of days of the extraction execution. This option will return all events that have occurred beginning at 00:00 x number of days ago.

2. Optionally, specify preferences for extracting standard events as described in the Range Query section.

3. Select one or more **Corporate Actions Events**.

- ***Corporate Actions – Standard Events (Last Update)***

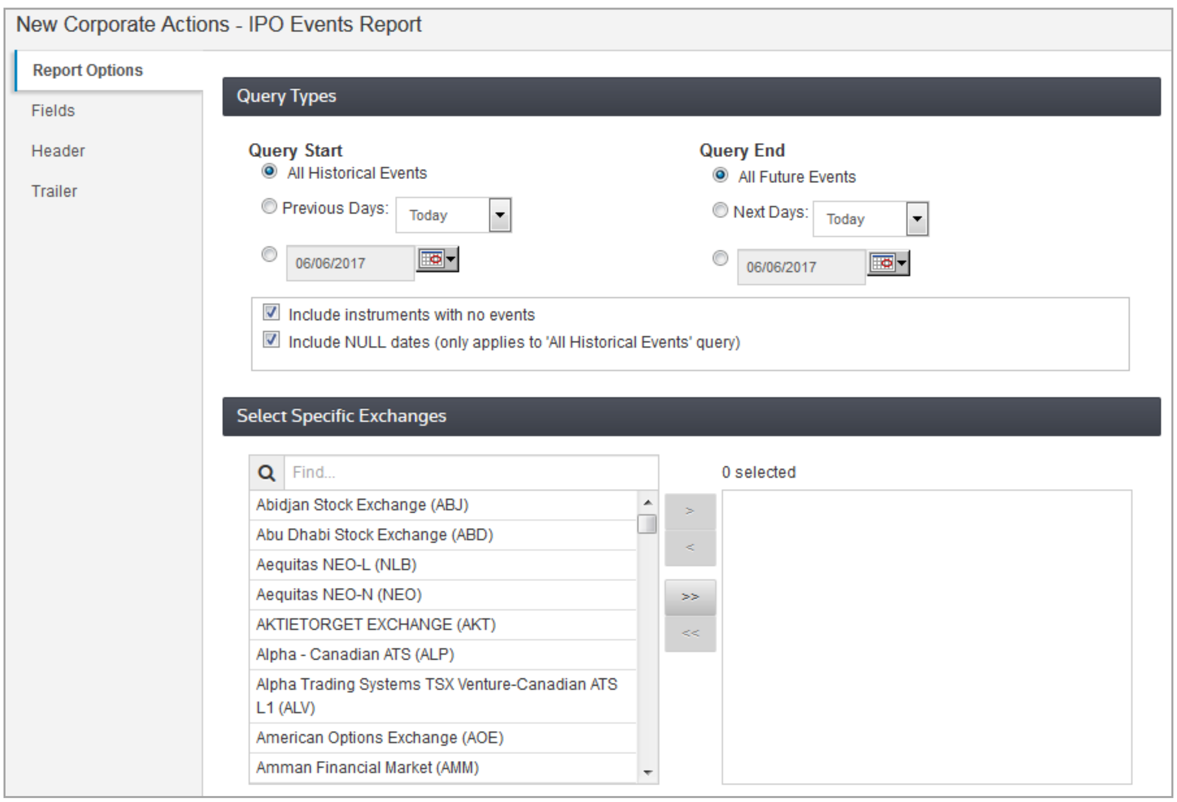


This option returns the most recently updated events that are available in the DataScope database, regardless of how long ago the data was updated. As a result, no date range is defined.

1. Optionally, specify preferences for extracting standard events as described in the Range Query section.

2. Select one or more **Corporate Actions Events**, and then select data to retrieve for those events from the corresponding drop-down lists.

- ***Corporate Actions IPO Events (Range Query)***



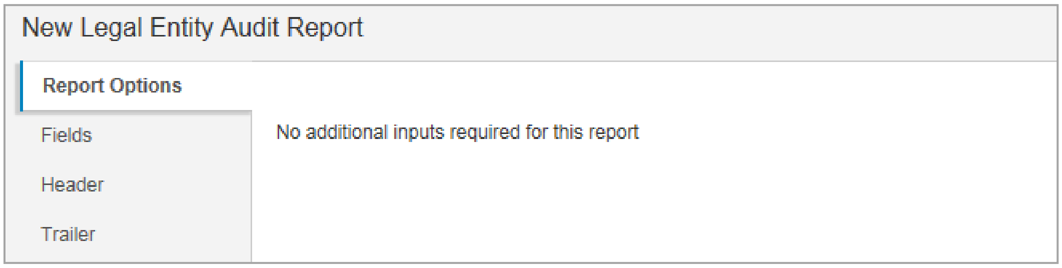
1. Use the instructions in the Range Query section to define **Query Start** and **Query End** dates and preferences.

2. Select one or more available exchanges and move them to the **Selected** box.

- ***Corporate Actions – ISO 15022 Events***

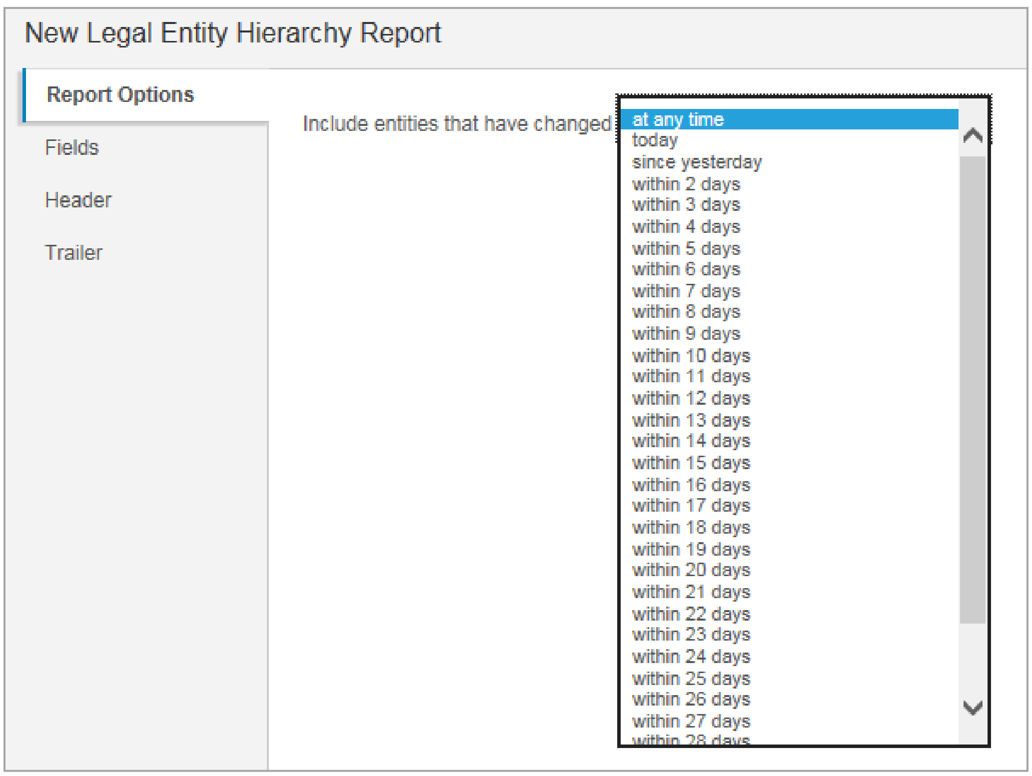
  See the *Refinitiv DataScope Select ISO 15022 Service User Guide* for information on creating ISO 15022 Event extractions.

- ***Entity - Audit***



  No report-specific parameters are required for this report type.

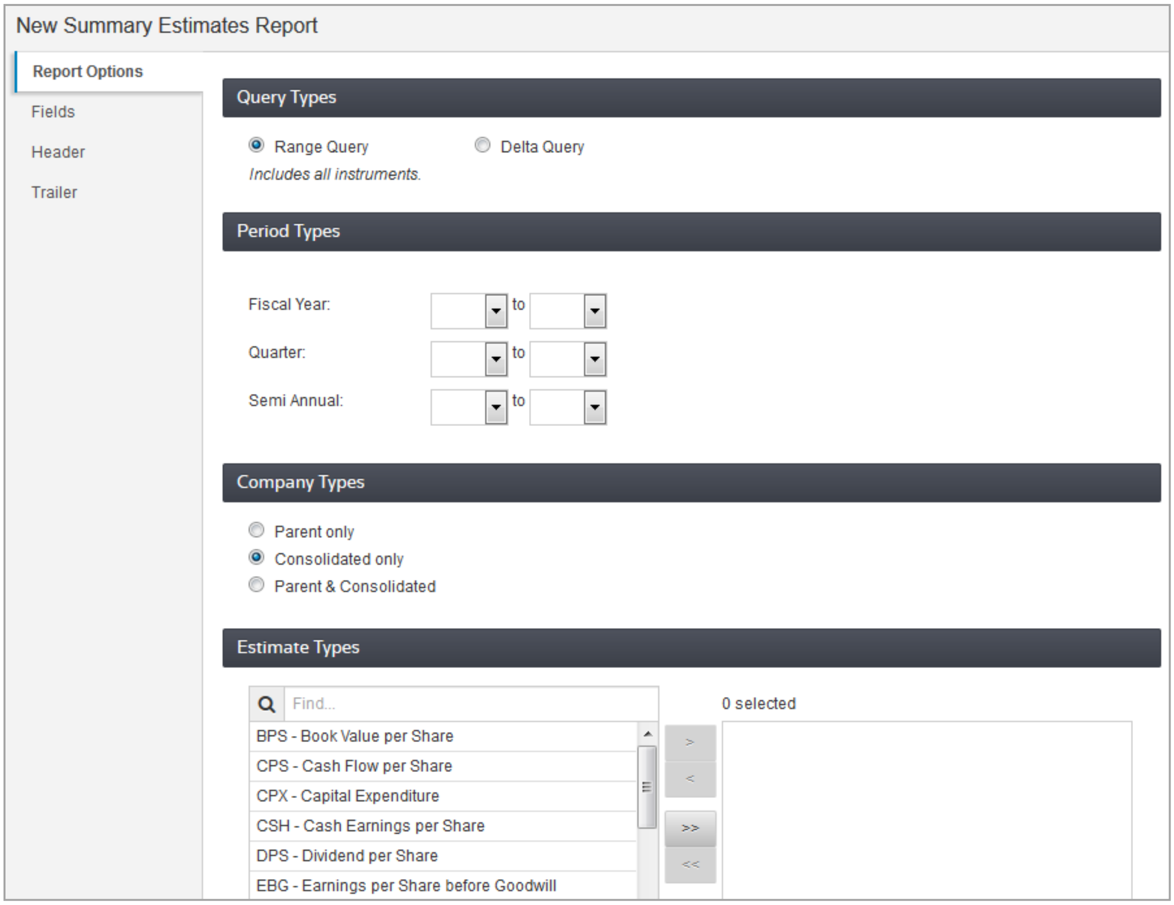
- ***Entity - Detail & Hierarchy***



1. Specify the last extraction execution by selecting a time from the **Include entities that have changed** drop-down.

2. Select **at any time** (default) to retrieve all content available or narr**o**w your search by selecting **today**, **since yesterday** or **within *n* days**, where ***n*** indicates a number of days ranging from two to 31 days.

- ***Estimates – Summary, Actual, Detail and Detail-Level Footnotes***



1. Select the query type.

NOTE:	For best performance, you should run a range query initially, and then run delta extractions thereafter. Delta queries will result in faster extraction delivery.

Query types are calculated based on the time zone specified in your **Preferences**.

- **Range**

  Return all available estimates data for the defined fiscal period. When this option is selected instruments with no estimates are included in your extraction.

- **Delta**

  Return all available estimates data reported over the past *X* number of days. You select the number of days, including today, up to 31, from the **Days Ago** drop-down list.

2. Use the drop-down lists to select start and end periods for retrieving estimates data:

   Periods are applicable for all Estimate Types except **Price Target** and **Recommendation**. The defined period can be for a fiscal year, quarter or semi-annual. Because not all companies have the same fiscal year end, DataScope Select uses the FY+1, Q+1, S+1, etc. conventions to identify Estimates and FY-1, Q-1, S-1, etc. to identify Actuals for each unique period.

   - **Actuals** are available for the following periods:
     - Fiscal Year (-1, -2, -3, -4, -5)
     - Quarter (-1, -2, -3, -4, -5, -6, -7, -8)
     - Semi Annual (-1, -2, -3, -4)
   - **Summary** and **Detail Estimates** and **Detail Level Footnotes** are available for the following periods:
     - Fiscal Year (+1, +2, +3, +4, +5)
     - Quarter (+1, +2, +3, +4, +5, +6, +7, +8)
     - Semi Annual (+1, +2, +3, +4)

   For Summary and Details Estimates and Detail Level Footnotes, the current period for any given period is **+1, where **can be FY, Q or S. Period **+1 translates to the current period, **+2 translates to the next period, **+3 translates to two forward periods and so on.

   For Actuals, the company's last reported annual earnings is reported in time period **-1, where **can be FY, Q or S. Time period **-1 translates to the last reported period, **-2 translates to the previous period, **-3 translates to the previous two periods and so on.

   Because fiscal periods are relative to the company, it is possible, for example, for FY-1 to be 2016 for one company and 2017 for another, depending on when the company reports its earnings. For example, consider a Non-U.S. company that does not report earnings for six months after the fiscal year end. If that company's fiscal year ended December 2016, and its earnings have not been reported to date, FY-1 would translate to the fiscal year ending 2015.

3. Use the radio buttons to select the types of estimates to retrieve: **Parent Only**, **Consolidated Only** (default) or **Parent & Consolidated**.

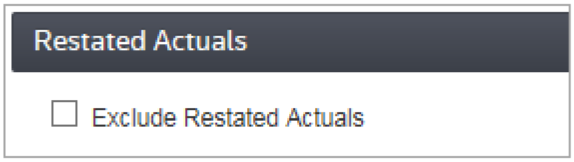
   Companies are considered "parent" or "consolidated" based on the majority of the earnings estimates received. Parent companies are those where only the earnings of the reporting entity, including dividends, interest, royalties, etc. received from its investee companies, are presented as net income.

   Parent and Consolidated estimates are available for 23 estimate types (Parent estimates are not available for **PTG** – **Price Target** and **REC** – **Recommendation**).

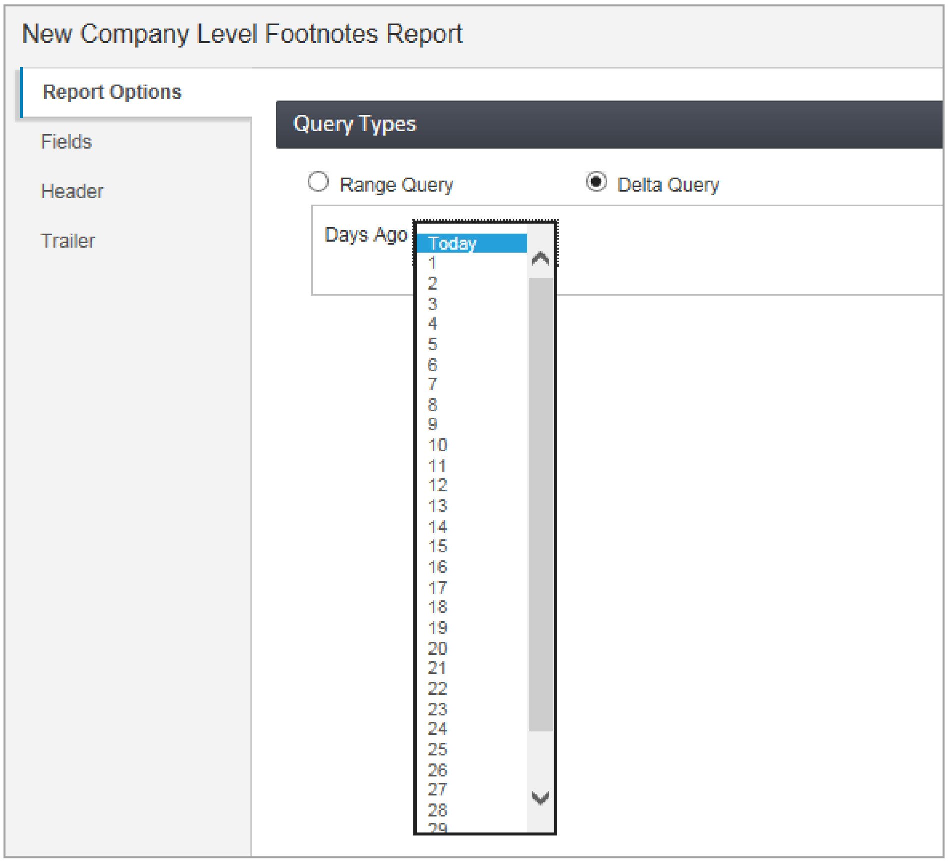
TIP:	You can differentiate parent and consolidated estimates by including the **Measure** field in your report template. Parent estimates are denoted with **PAR** appended to the estimate type name. For example, **EPSPAR** denotes Earning per Share (parent company), while **EPS** denotes Earnings per Share (consolidated company).

4. Select one or more **Estimate Types** in the **Available** box, and then use the **Add** >> button to move them to the **Selected** box.

5. For Actuals only, select **Exclude Restated Actuals** to retrieve originally reported actuals over restated actuals if they exist for the company for the same financial measures and specified fiscal periods.



- ***Estimates – Company-Level Footnotes***



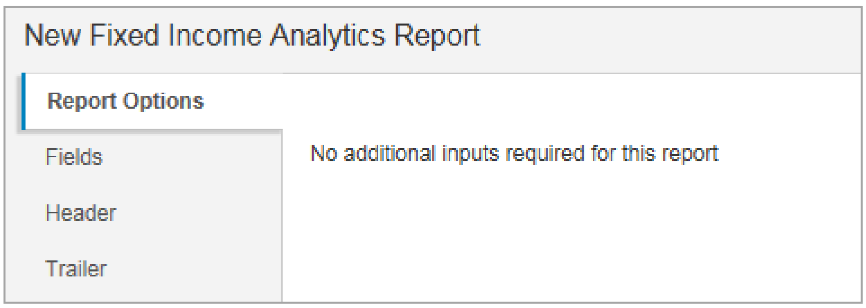
1. Select the query type.
2. Query types are calculated based on the time zone specified in your user **Preferences**.
    - **Range Query** – Return all available footnotes. When this option is selected instruments with no estimates are included in your extraction.
    - **Delta Query** – Return all available footnotes reported over the past *X* number of days. You select the number of days, including today, up to 31, from the **Days Ago** drop-**down lis**t.

- ***Factor History – MBS & Tranche***

No report-specific parameters are required for these report types.

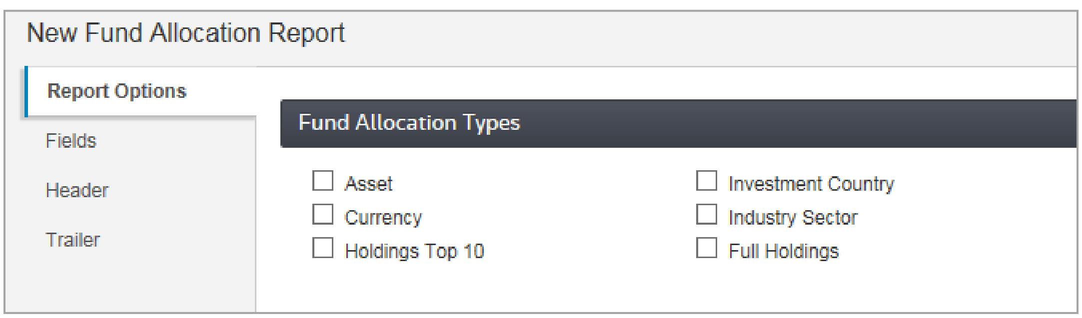
- ***Fixed Income Analytics***

No report-specific parameters are required for these report types.



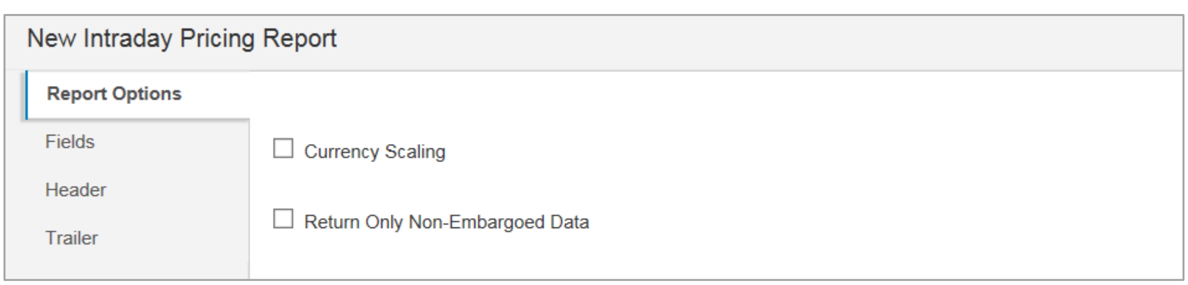
- ***Fund Allocation***

Select one or more allocation schemes:



Note that permissioned clients can select **Full Holdings** to retrieve all holdings data available for the Lipper Funds in your instrument list, up to the maximum 600 Fund limit. This check box is hidden if you are not permissioned for this data.

- ***Intraday Pricing***

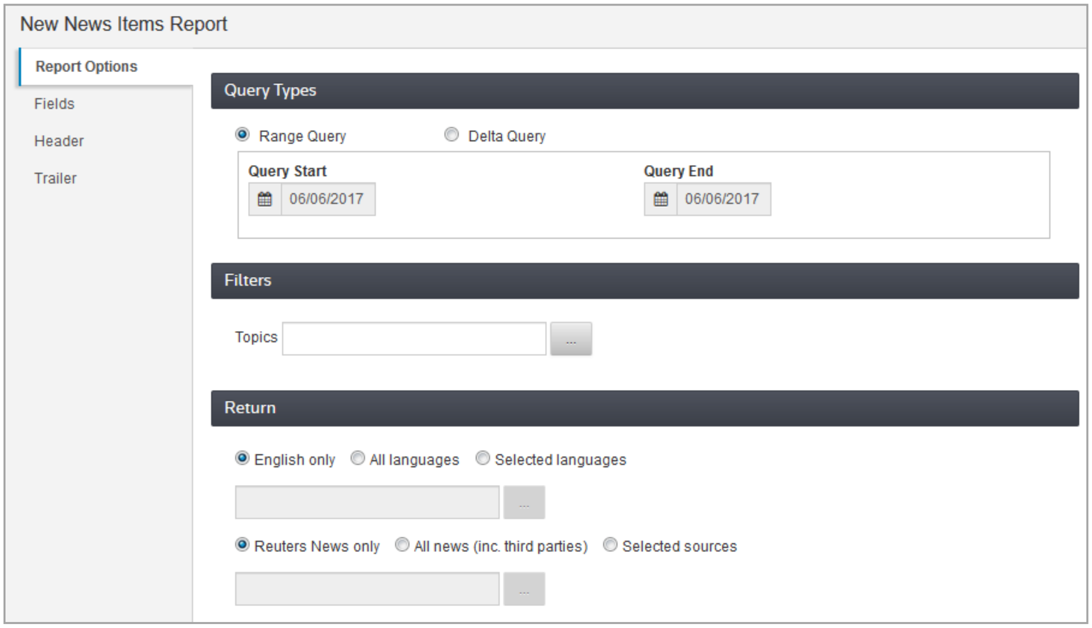


1. Select [Currency Scaling]() to extract certain prices in major currencies instead of minor currencies.

2. Click **Return Only Non-Embargoed Data** to retrieve only non-embargoed data in your extraction.

   When your extraction executes, any instruments requiring embargoes are automatically suppressed. The corresponding notes file identifies the number of embargoed instruments with this message (where *n* indicates the number of instruments).

- ***News Items***



1. Select a query type.

2. In the **Filters** section, click to launch the **Select Topic Codes** screen. Click one or more sources to include them in your extraction

3. In the **Return** section, use the radio buttons to narrow your search by language and to select the sources from where to retrieve that data.

   - **English Only**, **All Languages** or **Selected Languages**:

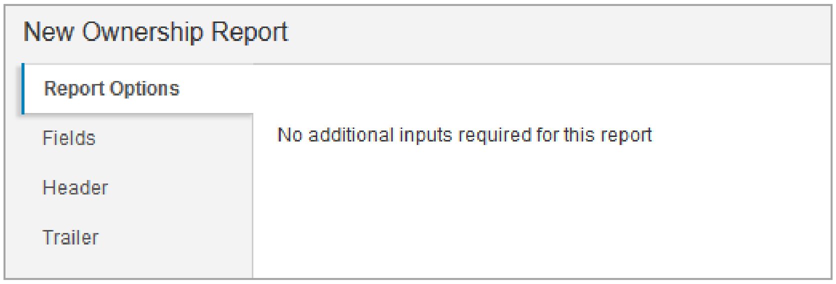
     News stories are encoded in the UTF-8 character set, which allows DataScope Select to output the related text in a variety of languages supported by your operating system.

     When **Selected Languages** is chosen, click to launch a screen that presents an alphabetical listing of the available languages.

   - **Reuters Only, All News and Selected Sources**:

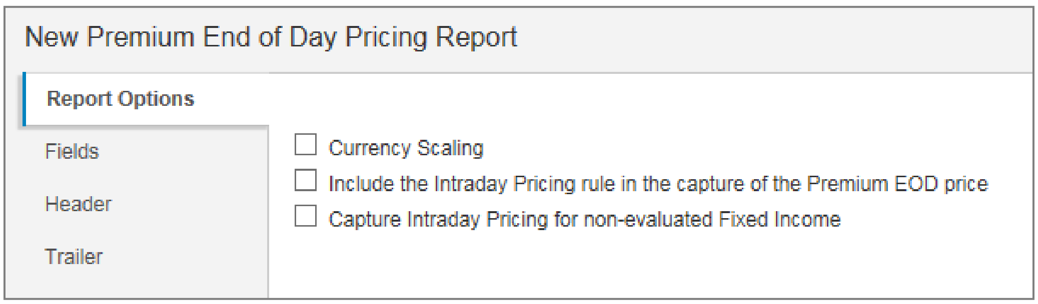
     When **Selected Sources** is chosen, click to reveal an alphabetical listing of the available attribution codes and their corresponding descriptions. Select at least one data source for the news item. Selecting **All News** includes all attributions when your extraction executes, even those that did not exist when you created your report template. Note that access to third-party news sources requires permissioning through Refinitiv. Contact your local account manager or sales specialist for information.

- ***Ownership***



No report-specific parameters are required for this report type.

- ***Premium EOD Pricing***



Select the following preferences, as needed:

- **Currency Scaling**

  Select this option to extract certain prices in major currencies instead of minor currencies in which some equity and futures & options are denominated.

  When selecting this option, make sure to include the **Currency Code** field in your report. Currency scaling will not occur unless this field appears in your **Premium EOD Pricing** report, even when you have **Currency Scaling** selected.

- **Include the Intraday Pricing rule in the capture of the Premium EOD price.**

  Upon extraction, DataScope Select checks for the current day's end of day price. If no price is found, DataScope Select performs a premium end of day price snap using the rules defined for the field.

  If no price is found when this preference is selected, the intraday pricing rules are also checked to see if a price is available. If neither real-time check finds a price, then the previous end of day price or a null is returned.

  Selecting this preference also means that the premium end of day price may not match the end of day price. This discrepancy can occur because the additional intraday pricing rule can snap values that are not snapped by the end of day source. If this preference is cleared, the additional intraday pricing rule will be excluded from the real-time price capture described above, returning the previous end of day price or null (depending on settings), when no current end of day price or real-time price from the premium end of day snap is found.

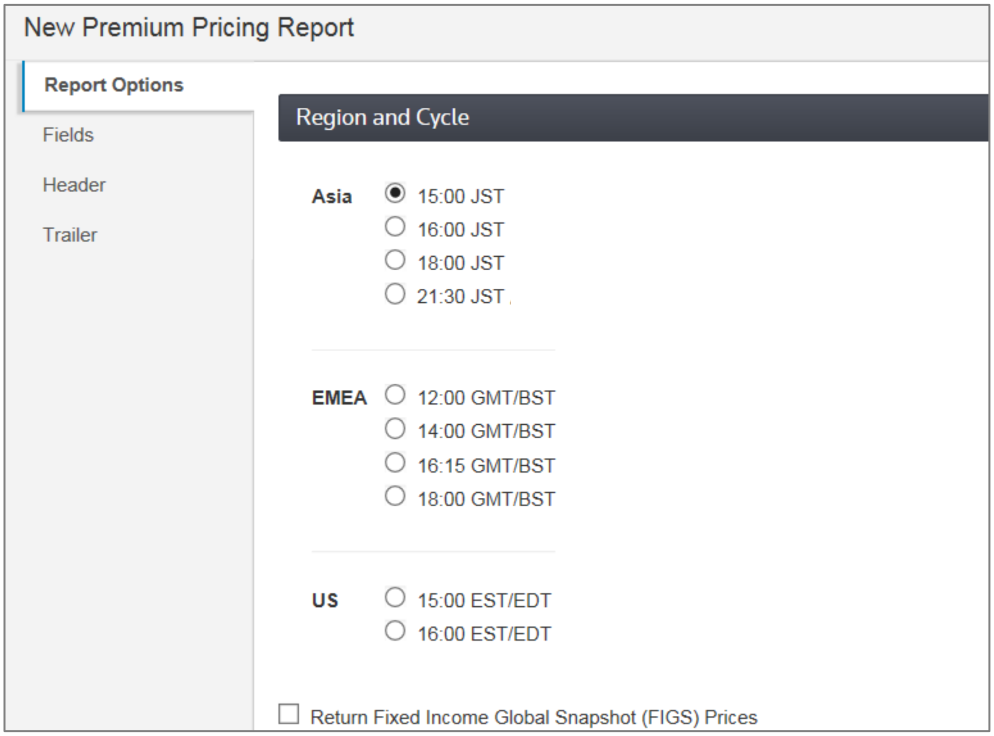
- **Capture Intraday Pricing for non-evaluated Fixed Income**

  Upon extraction, DataScope Select attempts to retrieve the current day's prices for non-evaluated government/corporate bonds.

  If the current day's price is not available, DataScope Select performs an intraday snapshot to retrieve the current day's price. If an intraday price is not available, then the previous end of day price is output instead for Last Update schedules or no value for Today Only schedules.

  When this preference is cleared, the bond's current or previous end of day price is output. No intraday snapshot is attempted.

- ***Premium Pricing***



1. Select the desired premium pricing region and cycle:

   Permissions are applied to each premium pricing cycle and region.

    Appearing next to any selection indicates that you are not permissioned for that pricing cycle. Please contact your local account manager or sales specialist for permissioning information.

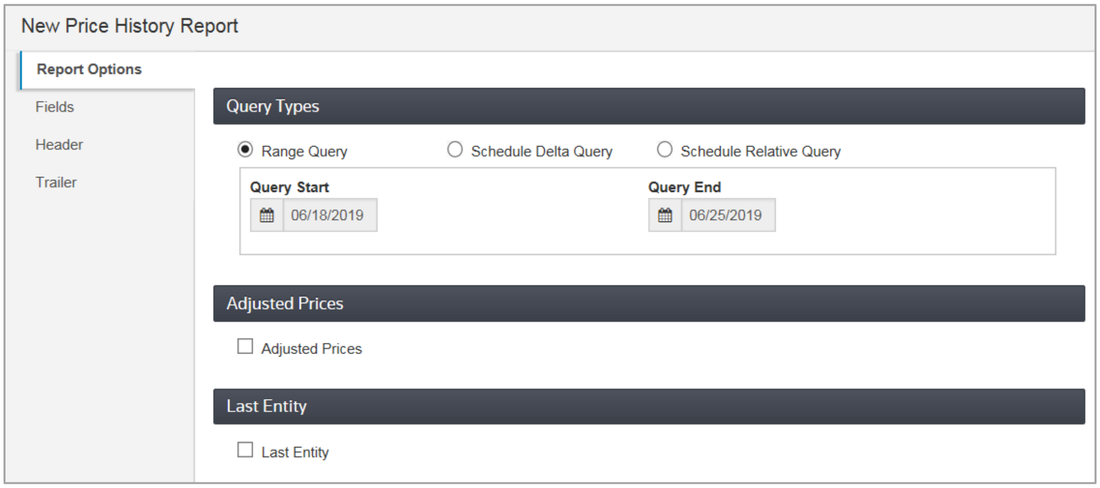
2. Select the corresponding check box to retrieve FIGS Prices for this report template.

   This option enables you to request the most recent Refinitiv Evaluated Pricing Service prices in a global fixed income portfolio regardless of region.

   By default, FIGS prices are returned for only instruments from the same region as the region selected in your report. For example, a US Premium Pricing extraction will return the most recent FIGs prices for only for US instruments. ASIA and EMEA instruments will not return any pricing data, however descriptive and terms and conditions fields for those instruments will be populated.

   When you select this option, FIGS prices are returned for instruments in all regions. For example, a US Premium Pricing extraction will return the most recent FIGs prices for all US instruments, as well as ASIA and EMEA instruments. Please note that Refinitiv evaluated prices for mortgages, municipals and bank loans are only available in the US region.

- ***Price History (Range Query)***



1. Use the calendars to specify the **Start Date** and **End Date** for retrieving historical data.

2. Select **Adjusted Prices** to retrieve historical prices adjusted from corporate actions and currency redenominations.

   Corporate Actions adjustment events are reported for Capital Change (CCH), Currency Redenomination (CRE), Refinitiv TimeSeries (RTS) and Refinitiv Price Only (RPO) events only.

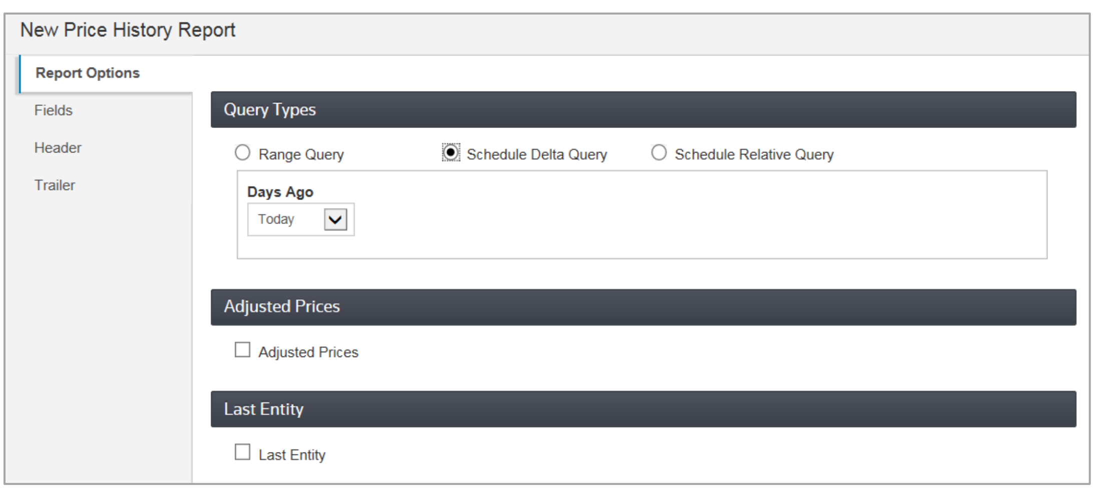
   Historical prices are adjusted for regular cash distributions only for instruments primarily listed in Argentina, Venezuela, Brazil, Peru, Turkey, Vietnam, and Chile. Historical prices are adjusted for Special dividend distribution for all the markets except for Japan and South Korea. The adjustment type in this scenario is RPO

   When this option is cleared, unadjusted prices are retrieved instead (default).

3. Select **Last Entity** to limit the extraction to retrieving prices only for the last entity that owned the RIC as of the current date.

   When this option is cleared, prices for all entities assigned to that RIC for the specified date range are requested. This can result in multiple prices for the RIC for a specified date**.**

- ***Price History (Schedule Delta Query)***

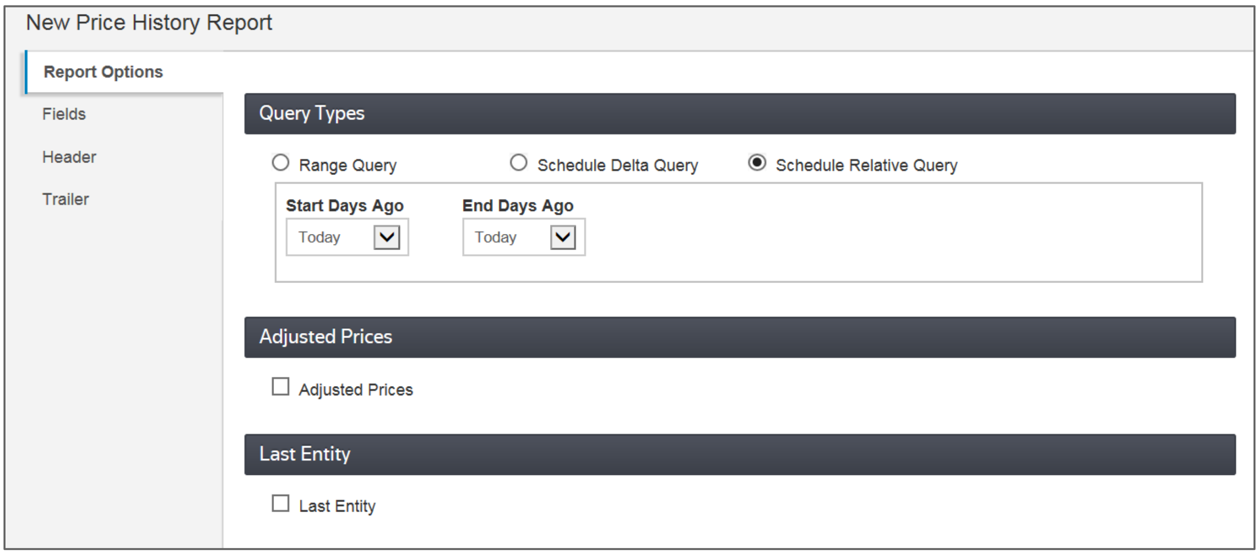


1. Use **Days Ago** dropdown to retrieve all historical prices that have changed over a specified number of days preceding the extraction execution.

2. Select **Adjusted Prices** to retrieve historical prices adjusted from corporate actions and currency redenominations (see **Range Query** above for additional details).

3. Select **Last Entity** to limit the extraction to retrieving prices only for the last entity that owned the RIC as of the current date (see **Range Query** above for additional details).

- ***Price History (Schedule Relative Query)***



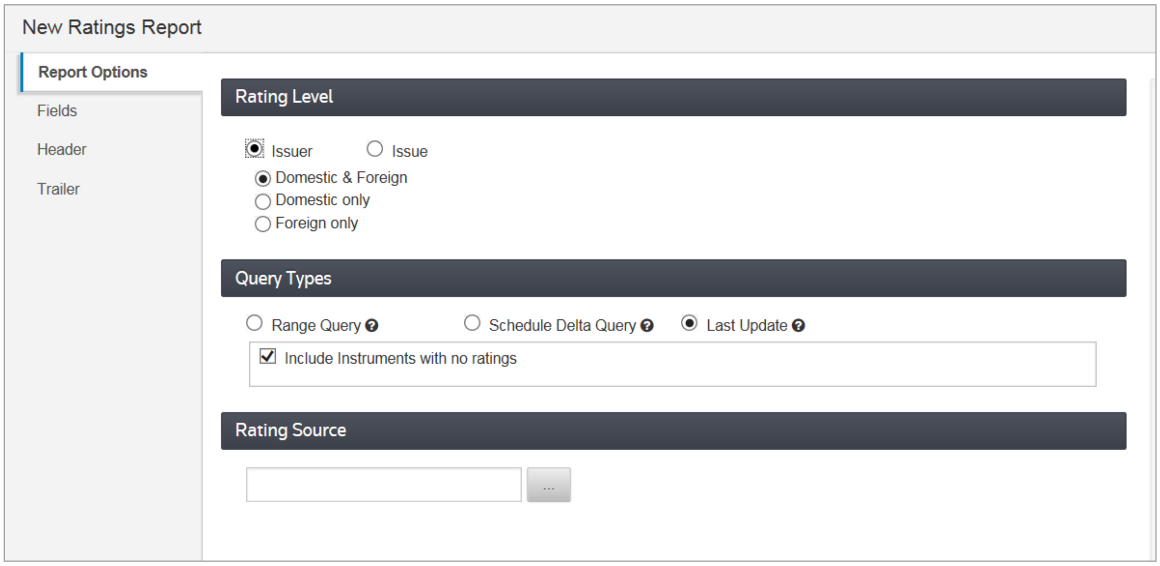
1. Use this **Start Days Ago** and **End Days Ago** dropdowns to retrieve all data relative to the extraction period of time.

   Each time the extraction executes, data is retrieved for that period of time defined relative to the extraction date. You specify how many days before the extraction execution that the query will begin and how many days before the extraction execution that the query will end. You can define the start, and the end, beginning with the day of extraction (Today) through a previous number of days (1-31).

2. Select **Adjusted Prices** to retrieve historical prices adjusted from corporate actions and currency redenominations (see **Range Query** above for additional details).

3. Select **Last Entity** to limit the extraction to retrieving prices only for the last entity that owned the RIC as of the current date (see **Range Query** above for additional details).

- ***Ratings***



1. Select the ratings-level information to retrieve: issuer or issue-level.

   Issue is disabled if you do not have **Terms and Conditions** permissions.

2. For issuer-level ratings, select the ratings type: **Domestic & Foreign**, **Domestic only** or **Foreign Only**.

3. Select the query type.

   - **Range Query** – Select to identify the issuers/issues ratings that have updated during the specified date range. Date refers to the effective date. Use the calendars to define the query start and end dates. Select this query to return all instruments in your input list, regardless of whether the issuer/issuer ratings have updated.

   - **Delta Query** – Select to retrieve only new and updated issuer/issue ratings data that have occurred over a specified number of days. Issuer/issue ratings that have not changed will not be returned in your extraction. Use the **Days Ago** drop-down to specify the number of days, which can be from today through the past 31 calendar days.

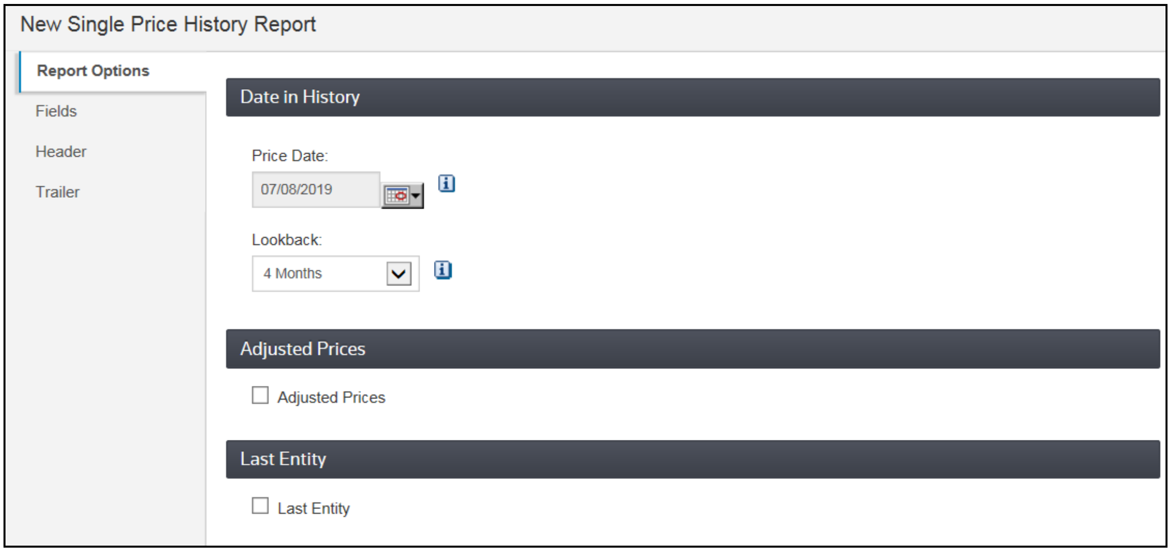
   - **Last Update** – Select to retrieve the most recent ratings data for the instruments in your input list.

     Optionally, for **Range** and **Last Update** queries, select **Include Instruments with no ratings** to output all instruments in your input list, even instruments for which no ratings data is available. In these instances, blank ratings fields will be output instead.

4. Select one or more ratings sources.

   Clicking  launches a separate window that identifies the available ratings sources, listed alphabetically by the corresponding three-digit code. You can scroll the list or use the **Search** box to find a specific source. Use the check boxes to make your selections. You can also enter the 3-character code directly in the box, separating multiple sources with a space.

- ***Single Price History***



1. Use the calendar to select the historical **Price Date** for retrieving non-null prices from the DataScope database.

2. Use the **Lookback** drop-down list to select an additional period to look back in the database for non-null prices when null prices exist on the specified trade date.

   The Lookback period is expressed in months (1 month, 3 months, 4 months [default], 6 months or 12 months). The Lookback is added to the **Price** date. That means if you selected January 2, 2015 as your **Price Date** and **4 months** as your **Lookback**, DataScope Select would look back as far as September 2, 2014 if null prices were reported for the instruments on January 2, 2015.

   When your extraction executes, DataScope Select looks for the first non-null priority lookback field in your report template, and then returns the results based on that field. Listed below are the lookback priority fields:

Priority Lookback Fields
Alternate Close Price
Ask Price
Benchmark Spread
Bid Price
Close1
Closing Stock
Last Trade Price
Mid Price
Net Asset Value

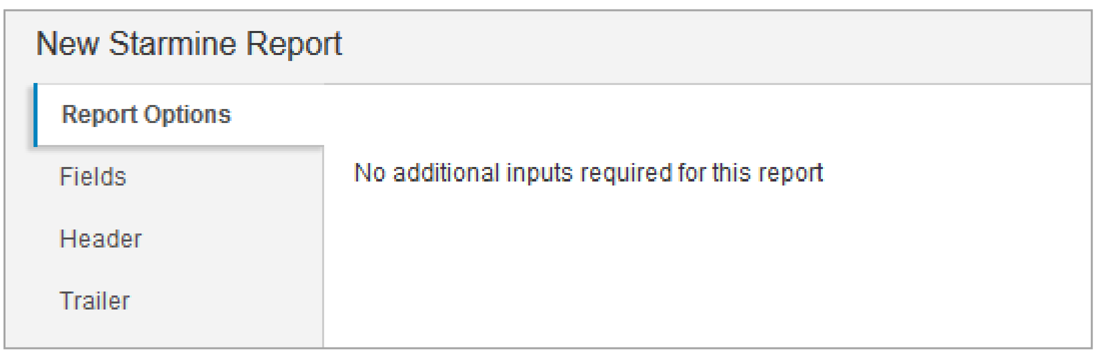
Priority Lookback Fields
Offer Price
Settlement Price
Trade Price1
Universal Ask Price
Universal Bid Price
Universal Close Price

If no priority lookback fields are selected, DataScope Select will consider all of the other fields in your report template, and then return the first non-null record found.

3. Select **Adjusted Prices** to retrieve historical prices adjusted from corporate actions and currency redenominations (see **Range Query** above for additional details).

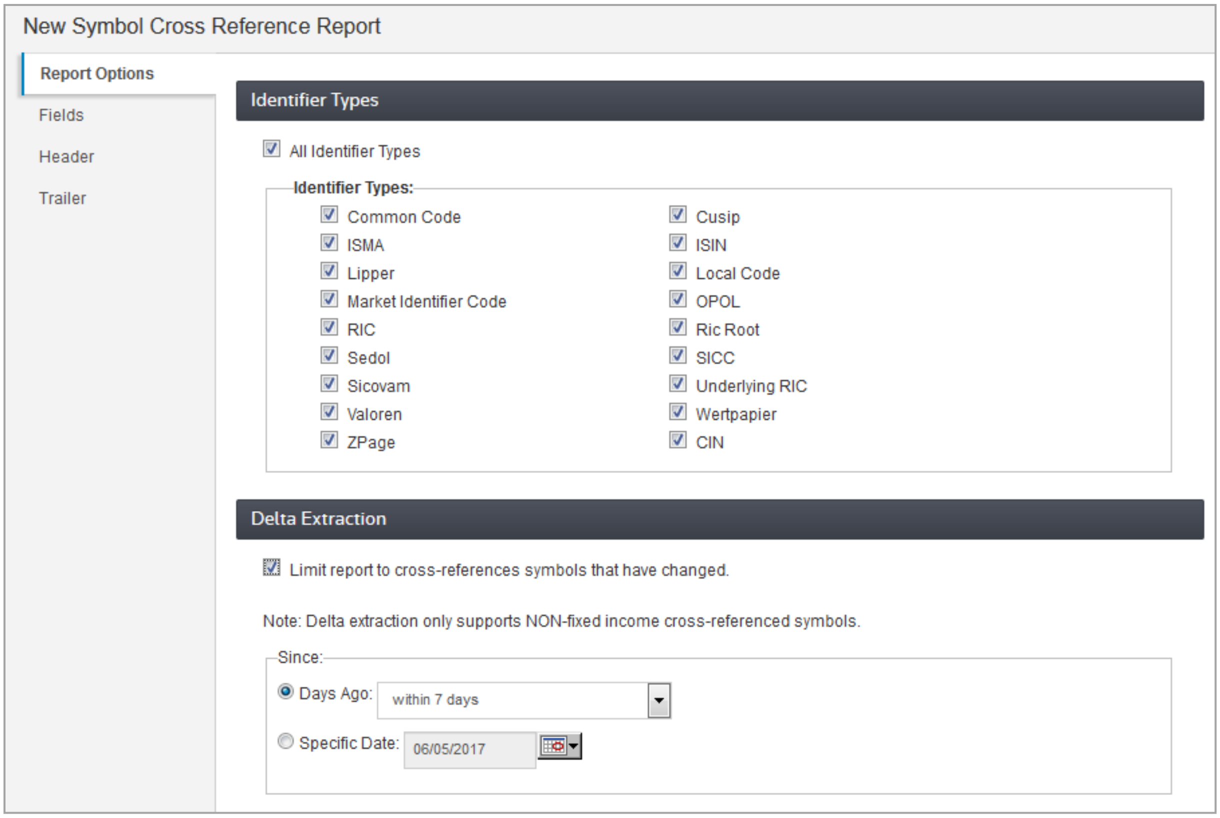
   Select **Last Entity** to limit the extraction to retrieving prices only for the last entity that owned the RIC as of the current date (see **Range Query** above for additional details).

- ***StarMine***



No report-specific parameters are required for this report type.

- ***Symbol Cross Reference***



1. Select the identifier types for which you want to access cross-referenced symbols. All supported identifier types are listed in the **Identifier Types** box.

   This option lets you create an extraction that contains only data for non-fixed income symbols that have changed since the last extraction execution.

2. In the **Delta Extraction** section, select **Limit report to cross-references symbols that have changed**, if desired.

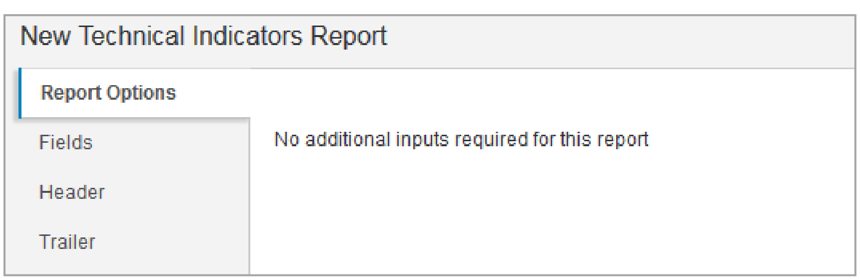
3. Specify the last extraction execution by either:

   Selecting the **Days Ago** radio button, and then selecting the number of days from the drop-down list. You can go back as far as 31 days.

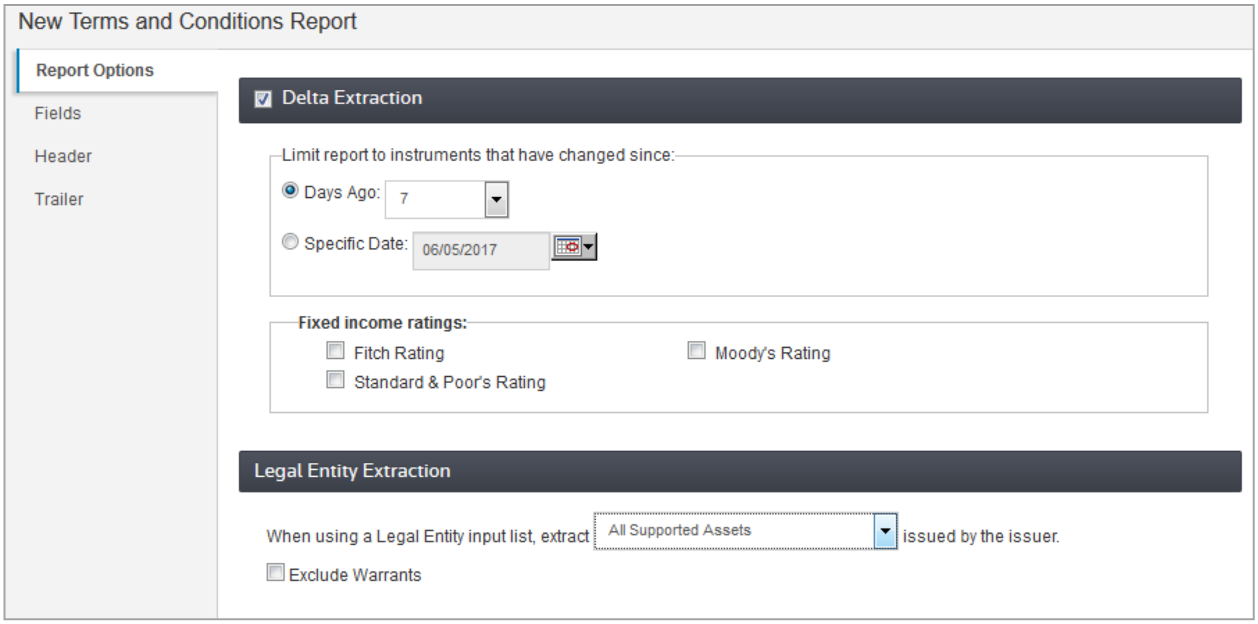
   Use the calendar to select a specific date.

- ***Technical Indicators***

  No report specific parameters required for this report type.



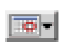
- ***Terms and Conditions***



1. Select the **Delta Extraction** check box, if desired.

   This option lets you create an extraction that contains only data for instruments that have had a ratings change since the last extraction execution.

2. Specify the last extraction execution by either:

   - Selecting the Days Ago radio button, and then selecting the number of days from the drop-down list. You can go back as far as 31 days.
   - Using the calendar  to select a specific date.

3. Select one or more rating type check boxes for fixed income instruments only.

   Access to Fitch, Moody’s, and Standard and Poor’s ratings data is restricted based on third-party licensing and additional permissioning through Refinitiv.

4. For **Terms and Conditions** extractions that execute with an entity list, select the asset type for which you want to retrieve data from the **When using a legal entity list, extract** (*asset selection)* **issued by the issuer** drop-down.

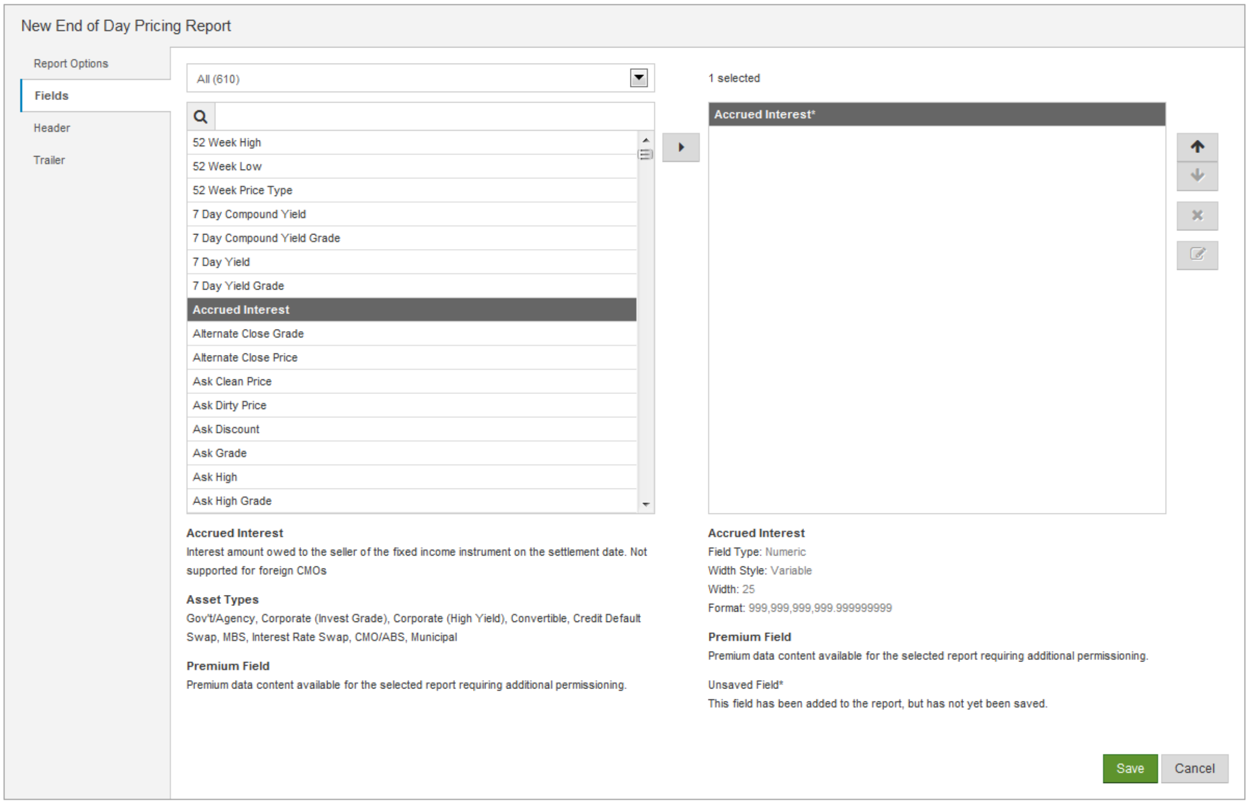
   This setting enables you to narrow your extraction results, as multiple assets can be returned for a single entity. You can select **All supported assets** (default), **government** and **corporate bonds** or **equities**.

   Selecting the **Exclude Warrants** option will enable improved extraction processing as thousands of warrants can be tied to a single entity. This option is cleared by default. When your extraction executes, a row of data will be returned for each issue-level asset tied to your entity identifiers, up to a maximum of 150,000 rows. Any identifiers exceeding that limit will be identified in the corresponding notes file. Note that this selection is ignored when your **Terms and Conditions** extraction executes with an instrument list instead of an entity list.

Selecting Fields

Use the **Fields** tab to select fields to include in your report template. The drop-down identifies the total number of fields available for your report type by default. You can view fields by asset class or category, with the number of fields for each asset class indicated in parentheses. You can also look-up a field using the search box.

NOTE: Data for DataScope Select fields are returned in the ASCII character set. An exception is with data for News extraction fields. News stories are encoded in the UTF 8 character set.



To select fields for your report template:

1. Select one or more fields in the list.
   - To select a single field, click on it. The corresponding definition and supported asset types appear in the bottom left side of the screen, along with the field type. Field formatting details appear on the right side.
   - To select multiple fields in a range, click on the first field in the range, press and hold **Shift**, and then select the last field in the range.
   - To select multiple fields out of range, press and hold **Ctrl** while making your selections.
2. Use ► to move the fields to the **selected** list.
3. Use the up and down arrows to order the fields.
4. Use ✘ to delete a selected field and return it to the list of available fields.

   When you add a single field to the selected fields list, the field type and width style appears at the bottom of the screen, along with an indicator that the field is not yet saved.
5. Click **Save** to save the fields with their default formats.

Understanding Field Types

Fields are color-coded in the **Fields** selection screen to indicate their status:

- **Field**

  Access to content via these fields is available to all DataScope Select users. No additional permissioning is required.

  Entitled, Premium, Entitled & Premium Fields and Prohibited Fields

  Access to content via these fields is restricted based on third-party licensing and additional permissioning. You can include these fields in your report template. However, no data will be returned if you do not have permissions and/or third-party licensing. Fields that you are not permissioned for are identified in your extraction notes file. Contact your local account manager or sales specialist for information about subscribing to restricted data content

  - **Entitled Field** examples include certain instrument identifiers (SEDOL, CUSIP, GIC, etc.) and Ratings information (Moody's, Standard & Poor's, Fitch, etc.)
  - **Premium Field** examples include certain fixed income valuations fields (End of Month, Maturity, & Option-Adjusted values, etc.)
  - **Entitled & Premium Field** examples include EOM Moodys Rating/EOM Moodys Rating Change, EOM S&P Rating/EOM S&P Rating Change and Previous Moody's Rating Change
  - **Prohibited Fields** are applicable to **Composite** report templates only. The padlock indicates that you are not permissioned for the underlying report template from which the field is sourced (**EOD Pricing**, **Terms and Conditions**, **Technical Indicators** or **Corporate Actions**).

  Note: A field will be identified as **Prohibited** unless you have all of the applicable permissions. However, that field will still output data when the missing permission is not applicable to the requested data.

Understanding Field Types
For example, the **Trading Status** field requires both **EOD Pricing** and **Lipper** permissions. A padlock will appear next to this field if you are permissioned for **EOD Pricing**, but not Lipper data. In this case, you will be able to access **Trading Status** for all supported instruments except Lipper. To view permissions at the field level, please see the **Permission Rules** column in the *Refinitiv DataScope Select Data Content Guide*. • **Removed Fields** are those that have been removed from DataScope Select. For example, if you import an old report template that contains a removed field, that field will now be flagged as **Removed**. A field identified as **Requires Additional Report Options** indicates that the field is not applicable for the selected report template type. For example: You create a **Bond Schedules** report template with **Call** and **Capitalization** schedules selected, and then you select fields for those schedule types. Now, if you update your report template to include **Call** schedules only, when you go to the **Fields** tab, the **Capitalization** fields will be flagged as **Requires Additional Report Options**, as these fields are no longer applicable to the report template. You cannot save removed fields and fields that require additional report options to a report template. A message will alert you to remove the fields prior to saving.

Formatting & Deleting Fields

You can format or delete fields for a report template by selecting the **Reports** in the **Report Templates** screen, and then selecting the **Fields** tab in the report window at the bottom of the screen.

To format fields:

1. Click the check boxes next to the fields to format, and then select **Format Fields**.

   To format multiple fields simultaneously, the fields must be the same field type. For example, you can simultaneously format multiple **Numeric** fields.

2. Update the format as needed, according to the field type:

Item	Description
Label	Enter a text string that identifies the field. If you leave this field blank, the default label is used.
Justification	Select a position for the field's horizontal alignment from the drop-down list.
Width Style	Select **Fixed**, and then enter the fixed width in the **Width** box (maximum = 9999). Field widths are applied to fixed width fields only. If you select **Variable**, and then specify a field width, that value will be ignored and **TRN** (truncated) will not appear if the field length exceeds the maximum width value.

Item	Description
Capitalization	Select a case format for the text. When you select **Name**, only the initial letter is capitalized (available for data output fields only; not for formatting header/trailer text).
Integer Places	Enter the number of integers (positive or negative whole numbers) to show for the value, up to **50** integer places. If the output value is larger than the specified number of integer places, your extraction will show **TRN** (truncated) instead of the actual value. You must update the number of integer places in order to fit the output value in the column.
Include Thousand Separator	Select to include a thousand separator (comma) in numeric values (e.g., 1,000.00). When cleared, no comma is inserted in the value (e.g., 1000.00).
Pad with Leading Zeros	Select to add zeros in front of the numeric value. The number of zeros is based on the number of integer places specified.
Decimal Places	Enter the number of decimal places (base 10) to show for the numeric value, up to 14 decimal places.
Pad with Trailing Zeros	Select to add zeros at the end of the numeric value. The number of zeros is based on the number of decimal places specified.
Date Format	Select a format for displaying dates from the drop-down list.

3. Click **Save** to save the field formatting.

To delete fields:

1. Click the check boxes next to the fields to delete.

   This action enables the **Delete *X* Fields** button, where *X* indicates the number of fields selected.

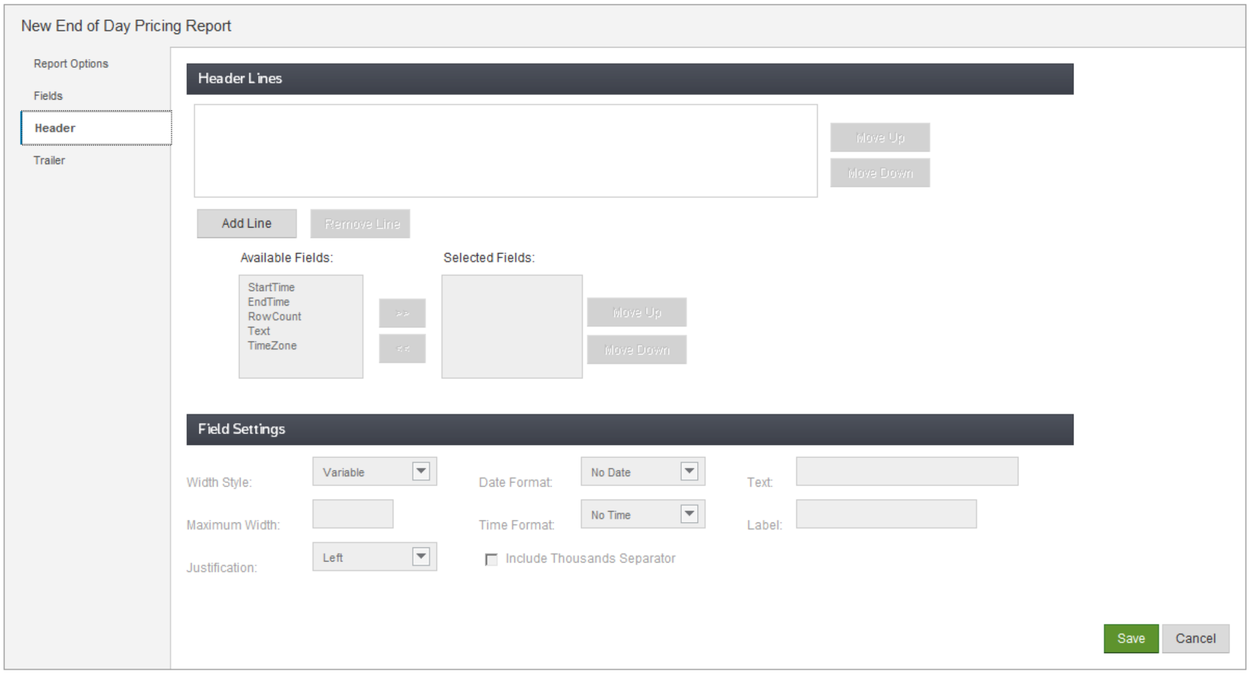
2. Click **Delete**.

   A confirmation window appears listing the fields to delete.

3. Click **Delete** again to confirm the deletion.

Specifying Header & Trailer Information

Your report template can include optional header and trailer sections that identify the extraction start and end times, optional text, and row count. Note that the input parameters are identical in both the **Header** and **Trailer** tabs.



To specify header and trailer information:

1. Click **Add Line**.

   The **Header/Trailer Lines** box updates to show **<no selected fields>**.

2. Click on one or more header/trailer fields in the **Available Fields** box, and then click **>>** to add them to the **Selected Fields** list.

   - **StartTime** – Show the extraction start date and time.
   - **EndTime** – Show the extraction end date and time.
   - **RowCount** – Show the extraction row count. The reported row count is the number of data rows only, and does not include the column labels or the actual header and trailer sections.
   - **Text** – Show the user-supplied text string. You can enter up to 255 characters. Supported values are A-Z, a-z, spaces and the following symbols: $, : _ - . !
   - **TimeZone** – Show the time zone in which extraction **StartTime** and **EndTime** executed.

If you select multiple fields, they will all appear on the same line in header/trailer section of your extraction output file.

For example:

09-05-2018 12:53 09-05-2018 12:55

If you want each field to appear on a separate line, click **Add Line** after selecting each field. In this case, the fields will appear in the header/trailer section of your extraction output file like this:

09-05-2018 12:53

09-05-2018 12:55

3. Use the **Move Up** and **Move Down** buttons next to the **Selected Fields** box to order the fields in the selected line.

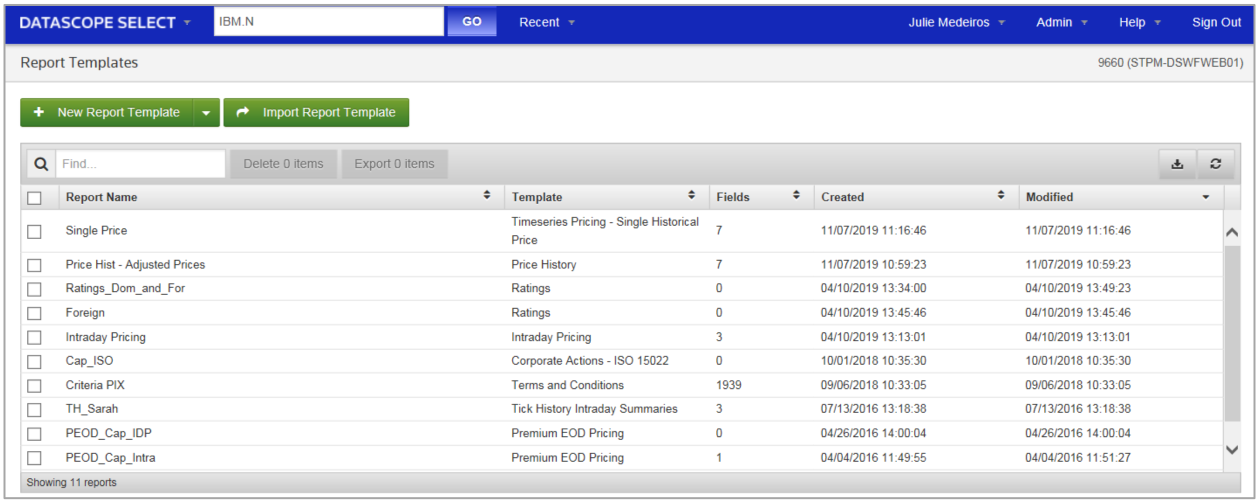
   To order the lines within the header/trailer sections, use the **Move Up** and **Move Down** buttons next to the **Header/Trailer Lines** box.

4. Use the **Field Settings** section to format the fields.

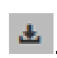
   This section shows the default formatting for the selected field type. The default format is based on your date, time, and number formats set in **Preferences**. The available formats depend on the selected field type.

Managing Report Templates

You can manage your existing reports by clicking **DataScope Select**, and then selecting **Report Templates**. All of your existing reports appear in a scrolling list. For each list, the report name, template type and number of fields are identified, along with the list creation and last modified dates.

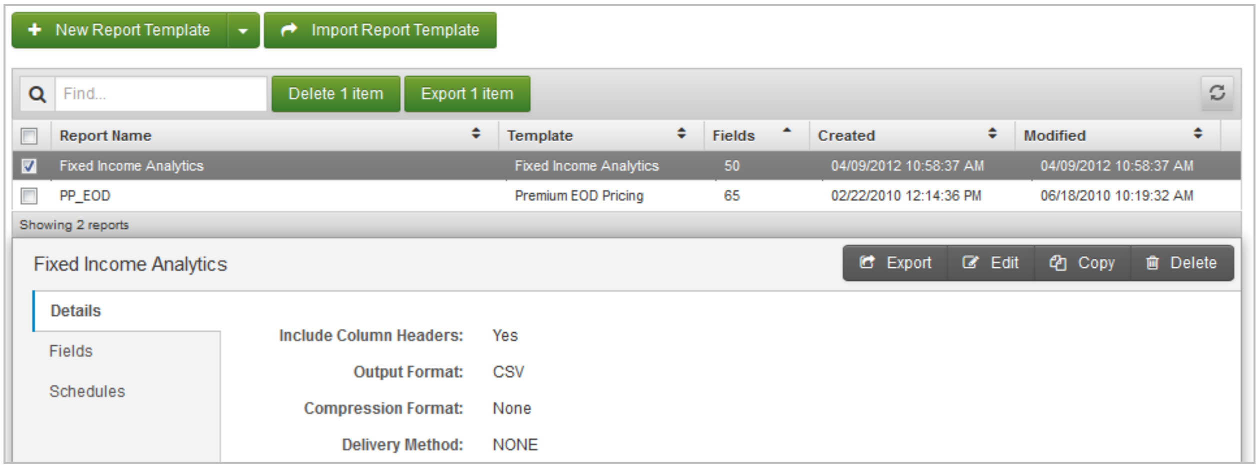


You can manage your reports as follows:

- To initiate a new report template, click **New Report Template**. Click **Import Report Template** to create the report from an import file.
- Use the **Find** box to search for a report template. When you enter a text string, only your reports matching that text appear.
- To enable the **Delete *x* Items** and **Export *x* Items** buttons, click on one or more check boxes. The buttons update to show the number of reports selected.
- To delete one or more selected reports, click **Delete *x* Items**. Note that deleted reports cannot be restored. If you delete a report that is part of a pending extraction, you must remove or update the extraction schedule. Otherwise, the scheduler will continue to attempt to execute the extraction and the extraction will fail.
- To export one or more selected reports, click **Export *x* Items**. You can export a maximum of 100 reports simultaneously to a CSV or XML formatted file. Multiple files are saved to a zipped file with a default name of **RPT_Definitions.zip**.
- To export the grid and all of the contents in it, click . This action launches a separate window from where you can open or save the grid to a comma separated value (csv) file. The file takes the name of the selected screen. The entire contents of the grid are exported. For example, exporting this screen will result in a file named **ReportTemplates.csv** that includes your report template details under the following columns: **Name, TypeDescription, FieldCount, CreateDate** and **ModifiedDate**

Managing an Existing Report Template

To manage an existing report, click on the report. The screen expands to show the report details at the bottom of the screen.



You can manage the selected report as follows:

- To export the report to an XML-formatted file, click **Export**.
- To edit the report's layout, format and fields, click **Edit**. This action launches the **Report Template** screen, from where you can make your edits.
- To duplicate the report, click **Copy**. This action launches the **Report Template** screen with the report identified as **Copy of *report template name***. You can assign a new report name and update the report parameters as needed.
- To delete the report, click **Delete**. You are prompted to confirm the deletion. Note that deleted reports cannot be restored. If you delete a report that is part of a pending extraction, you must remove or update the extraction schedule. Otherwise, the scheduler will continue to attempt to execute the extraction and the extraction will fail.
- Use the tabs located on the left side of the screen to view the report details, format or delete fields and create a new schedule for the report. See the next section for instructions on formatting and deleting fields.
- To create a new schedule with the selected report, click on the **Schedules** links, and then click **New Schedule**. The screen refreshes to show the **Create New Schedule** screen.

Importing Report Templates

The import file must be XML-formatted. You can import a previously exported report (all exported reports are XML-formatted) or generate the file using an XML editor.

NOTE: For XML file requirements, see the *Refinitiv DataScope Select FTP User Guide*.

To import a report template:

1. Click DataScope Select, and then select **Report Templates**.
2. Click **Import Report Template**.

   The screen updates to show the **Report Definition Import** screen.
3. Click **Browse** to navigate to the file.
4. Select the file in the **Choose File** window, and then click **Open**.
5. Optionally, select **Replace report if it already exists** if you want to overwrite an existing report with the current one.
6. Click **Import**.

   The file is validated prior to being imported. Any errors are listed at the bottom of the screen. If no errors exist, the report is automatically added to your report templates.

5 Scheduling Extraction Executions

In this Chapter:

This chapter takes you through the process of scheduling an extraction execution. You can schedule your extraction to execute on request, once on some future date or on a recurring basis at a specified time or as a result of pricing availability.

Creating Extraction Schedules

NOTE: You can schedule an extraction for any report available in DataScope Select. However, no extraction file will be generated for a report for which you do not have permissions and the schedule will fail. You must be permissioned for a report in order to retrieve data for it.

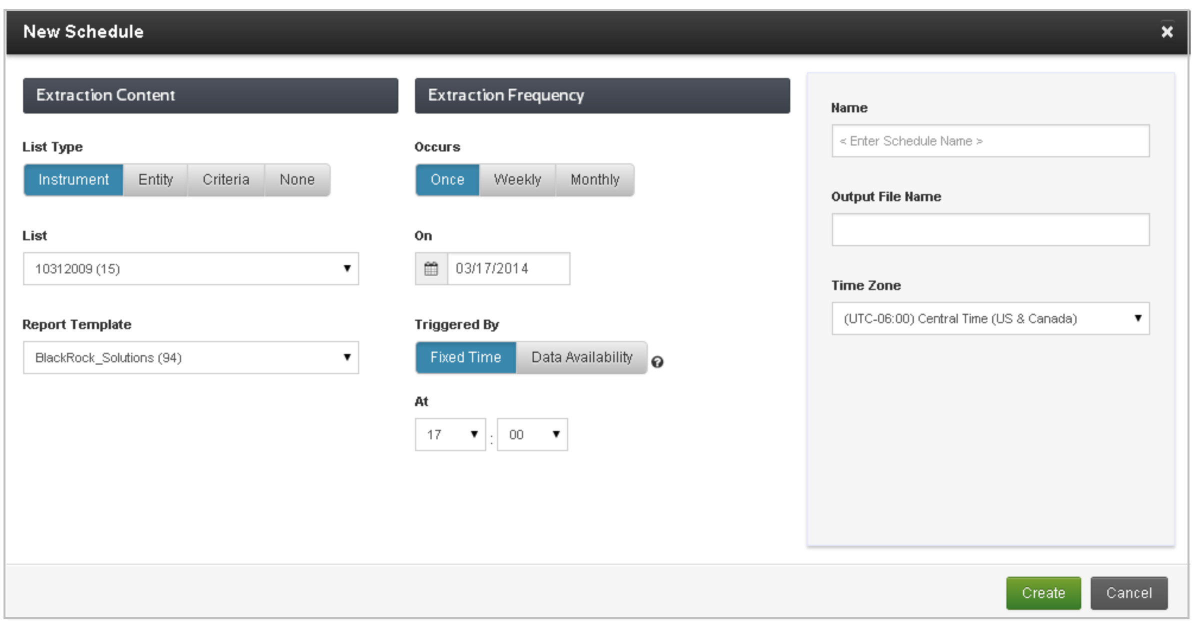
NOTE: Immediate extraction requests will be placed in the extraction queue immediately, usually within 10 seconds of request. The time to complete the extraction processing and receive your output file is dependent on the extraction type, the amount of data being requested and the data load on DataScope Select at the time of the extraction request.

If you have multiple immediate extraction requests with the same schedule name, please wait for the extraction to complete before submitting the next immediate schedule to ensure that no requests are missed.

- **To create a schedule:**

1. Click **DataScope Select**, and under **Schedules**, click **Create** for a new schedule or **Immediate** for an immediate extraction.

   The screen updates to show the **New Schedules** wizard. Note that the **Extraction Frequency** section is hidden when you create an immediate extraction.



2. See the next section for details on scheduling the extraction.

Scheduling the Extraction

Scheduling the extraction consists of the following steps: Selecting Extraction Content, Specifying the Extraction Frequency and Creating the Extraction Schedule. These steps are defined in the sections that follow.

Selecting Extraction Content

1. Under **List Type**, select the type of input to use in your extraction.
   - **Instrument** (default) – Select for all extraction types, except **Criteria**, **Entity**, **Corporate Actions – IPO Events** and **Instrument-less News Items**.
   - **Entity** – Select for **Entity Detail**, **Hierarchy**, **Audit** and **StarMine** extractions, and for retrieving issuer-level data via **Terms and Conditions** and **Ratings** extractions.
   - **Criteria** – Select for criteria-based **EOD Pricing** and **Terms and Conditions** extractions for bank loans.
   - **None** – Select for **Corporate Actions – IPO Events** and **Instrument-less News Items extractions**.
2. Under **List**, select the corresponding input list to use in the extraction.

   This option is hidden when the selected list type is **None**.

   The list shows only your input lists that are supported for the selected list type. For example, only instrument lists appear when **Instrument List** is selected.

   A message appears when there are no corresponding lists for the selected list type.
3. Under **Report Template**, select the report to use in your extraction.

   The list shows only your report templates that are supported for the selected list type. For example, only **Entity**, **Terms and Conditions**, **Ratings** and **StarMine** reports appear when **Entity** is selected.

   A message appears when there are no corresponding lists for the selected list type.
4. Click **Last Updated** or **Today Only** to specify the type of pricing or analytics to retrieve.

   This option appears for Pricing reports (**Composite**, **EOD**, **Intraday**, **Premium EOD** and **Premium**) and **Technical Indicators** reports only.
   - **Last Updated**

     Retrieve the most recent validated prices or analytics, regardless of when the instruments were priced (default).

     The previous trading day's validated prices are retrieved, if available; otherwise, null values can be output instead for **Fixed Income**, Equity, Derivatives, Money and Fund instruments.

     For **Premium EOD Pricing** extractions, this option returns today's validated end of day prices, if available, or the validated price from the intraday-pre-extraction that executes at an optimal time to capture prices for the instruments in your input list.

     If neither price is available, the previous validated end of day value is retrieved instead.

- **Today Only**

  Instruments with prices or analytics from dates prior to today will be suppressed and identified in your extraction notes file. Today is calculated using the time zone set in your **Preferences**. For example, if your time zone is set to Eastern Time (US & Canada), then today is considered the time period from 12:00 AM to 11:59 PM EST/EDT on today's date.

  For **Premium EOD Pricing** extractions, this option returns today's validated end of day prices, if available, or the validated price from the intraday-pre-extraction that executes at an optimal time to capture and store pricing for the instruments in your input list. If neither price is available, a null or blank field is returned, depending on the null code settings defined in your **Preferences**.

  Note that Universal Close Price will not be suppressed and return a blank field if the **Exclude Null Codes For Universal Close Price** is selected in your **Preferences**. The Universal Close Price Date will indicate the trade date of the Universal Close Price. If this is not desired, then this preference should be unchecked.

  NOTE: For a list of fields subject to **Today Only** suppression, see the *Refinitiv DataScope Select Data Content Guide*. The **Today Only** column will identify the fields subject to suppression and the price date used in the comparison with the current date.

Defining the Extraction Frequency & Initiation

NOTE: This section is hidden for immediate extractions.

You can schedule your extraction to occur once or on a recurring basis at some future point at a fixed time or based on data availability. The initiation selections depend on the extraction type. See Scheduling Considerations for more information.

1. Under **On**, select when you want the extraction to execute:

   - **Once** - Use the calendar to select the execution date. (Required for **Single Price History**, **Price History** and historical **Corporate Actions**).
   - **Weekly** - Use the check boxes to select one or more days of the week. Click **Business Week** to select Monday-Friday simultaneously.
   - **Monthly** - Select the day of the month, where **1st** and **Last** are calendar days, not business days. You can select only one day of the month.

2. Specify the extraction initiation:

   - **Fixed Time**

     Under **At**, specify the time (hour and minutes) at which you want the extraction to execute from the drop-down lists. When this option is selected, the extraction executes at a specified time, regardless of data availability.

     The specified time should be at some future point. The extraction will be added to the extraction queue immediately if the scheduled time is two or less minutes in the past to accommodate processing times and differences in machine clocks. If the specified time is more than two minutes in the past, you will not be able to create the schedule.

Note that you must schedule chain extractions to execute at a specific time. Chains cannot be part of a triggered extraction. This is because chains expand upon extraction and the triggers cannot be derived beforehand.

For **Intraday Pricing** extractions, you can schedule up to five extraction executions in a single schedule. By default, extractions are scheduled to execute on the hour, in one-hour intervals. The minimum time between extractions should be no less than 15 minutes.

- **Data Availability**

  This option is applicable for **Composite**, **EOD Pricing** (excluding EOD Pricing extractions that use Criteria Lists as input), **Premium EOD Pricing**, **Premium Pricing** and **Technical Indicators** extractions.

  Data availability times are pre-calculated once the instrument list is attached to the schedule. The extraction will execute upon the release of today's prices or analytics for the instruments in your instrument list, if applicable. DataScope Select automatically detects the type of instruments in your instrument list and waits for the release of those prices or analytics to initiate the extraction.

  To ensure optimal delivery of the current day's prices or analytics, make sure your instruments are all regionally based (from the same time zone) and are the same asset type. At least one instrument must be associated with a trigger in order to schedule a triggered extraction. For details on pricing delivery times, please see the ***Data Arrival Time Guide*** on MyRefinitiv. DataScope Select will display a warning message when your input list contains instruments that are not associated with a data arrival event.

NOTE:	The **Data Availability** option is not applicable to Criteria Lists. This is because the instruments in Criteria Lists are created at the time of extraction, and not when the list is attached to the schedule, as is the case with Instrument Lists. Selecting this option with a Criteria List will result in an error message stating that the instruments in the list do not have any data arrival events.

- **For Composite & EOD Pricing Extractions:**

  Select the type of equity end of day prices to retrieve: **Use initial end of day prices** or **Use validated end of day prices**. When **Use validated end of day prices** is selected, the page updates to show **Return corrected prices only**.

  Select **Return corrected prices only** to retrieve all corrected and validated prices, including grades, for the trading day. Prices that have not been validated or corrected will be excluded.

- **For Premium Pricing Extractions:**

  Optionally, select Wait for today's tolerances comments. This option allows you to track daily movements for the Refinitiv evaluated instruments in US 3 PM and EMEA and ASIA 4 PM Premium Pricing cycles.

  When this option is selected, your extraction will wait to execute until today's tolerance comments have been received. An error message appears when the instruments in the input list are not associated with a pricing trigger.

- **For Technical Indicators Extractions:**

  Select the type of equity end of day prices to retrieve: **Use initial end of day prices** or **Use validated end of day prices**.

  Select the type of analytics data to retrieve: **Core Analytics** or **Relative Analytics**.

Core Analytics refer to calculations for a base instrument while **Relative Analytics** refer to calculations that are dependent on a benchmark RIC. **Core Analytics** should always arrive before **Relative Analytics**. Therefore, it is recommended that you schedule separate extractions for retrieving both **Core** and **Relative Analytics**.

- **For all Triggered Extraction Types:**

  Select **Extract if data does not arrive by** (optional).

  This option enables you to forego the trigger and execute the extraction at the specified time, regardless of whether today's prices are available. In this case, you get all of today's prices that are available for the instrument in your input list as of the extraction execution. For all other instruments, the previous trading day's prices are output instead. To identify the instrument's pricing date, make sure to include the **Trade Date** field in your extraction. Times are based on the time zone specified in **Preferences**, and should be used as the reference for selecting the time at which to execute the extraction. You can specify whether the time applies to today or tomorrow by selecting **Same Day** or **Next Day** from the corresponding drop-down list.

Creating the Schedule

1. Enter a schedule name in the **Schedule Name** box.

   Double-byte character sets are not supported.

2. Enter a name for the extraction in the **Output File Name** box (optional).

   Double-byte character sets are not supported.

   TIPS:
   - If you specify an output file name for a recurring extraction, DataScope Select will overwrite the extraction each time it executes. To ensure that your extraction is not overwritten, you can do either of the following:
   - Leave the box blank. DataScope Select will automatically generate a default name to the extraction, consisting of your DataScope Select ID, and the extraction date and time, among other characters to identify the file. Time is shown in UTC.
   - Enter an output file name and append **%D** and/or **%T**. DataScope Select will automatically insert the extraction date and/or time into the output file name. The time zone defaults to the value selected in your **Preferences**. You can update the time zone for any selected schedule via the **Time Zone** drop-down.
   - Refinitiv does not guarantee that automatically-generated extraction file names will not change from release to release. To ensure consistent extraction file names across releases, specify a file name with **%D** and **%T** appended.

3. Optionally, under **Time Zone**, select the time zone in which to schedule the extraction.

   The time zone defaults to the time zone specified in your **Preferences**. The updated time zone applies to the selected schedule only.

4. Click **Create**.

   Your extraction is added to the **Schedules** screen. You can check the status of the extraction in the **Status** column. Once the extraction executes, you can retrieve your output file from the **Extracted Files** page. A warning message will appear if the schedule cannot be created.

Scheduling Considerations

Consider the following information when scheduling extractions:

- **EOD Pricing Extractions for Lipper Fund & Lipper TASS**

  Lipper fund prices for all regions are processed approximately every two hours each trading. Today's prices are available at approximately 2:00 p.m. and are updated every two hours thereafter. An exception is between 12:00 p.m. - 1:30 p.m. EST/EDT during the regularly scheduled maintenance window.

  The file includes the most recent end of day prices for all global regions, plus the entire universe of funds with any updates that had occurred since the last file processing. Note that due to the nature of fund pricing and when source data is available, Refinitiv does not guarantee that all funds will price at the same time each trading day.

- **Same-Day EOD Pricing & Premium Pricing Extractions for New User Instruments**

  Refinitiv does not guarantee that any user instrument created after 12:00 p.m. (London and New York times) will be available in today's pricing. If you create a user instrument after this time, your instrument may not be evaluated until the next business day. To ensure that you retrieve the most recent evaluations for your CDS, IRS, and OTC Equity Option contract, schedule your extraction to execute as a result of data availability and not at a specified time.

- **Intraday Pricing Extractions**

  You can schedule up to five extraction executions in a single schedule. By default, extractions are scheduled to execute on the hour, in one-hour intervals. You can update the times as needed.

  Scheduling Considerations for Intraday Pricing Extractions

  - Consider embargoes and other delays when scheduling multiple **Intraday Pricing** extractions. If the extraction is subject to embargo, the extraction will not post until all required delays have elapsed. This can delay the execution of the other scheduled extractions.
  - Similarly, if there is a delay in processing your extraction, the next scheduled extraction may be skipped or delayed until the previous one has completed, regardless of the scheduled extraction execution time. You should create separate extraction schedules if you need to schedule multiple **Intraday Pricing** extractions to execute within a timeframe that is less than the extraction's required embargo delays (e.g., schedule an extraction with a 20 minute embargo delay to execute 5 times, every 15 minutes).

  To ensure that your **Intraday Pricing** extraction retrieves prices that reflect the last "official" tick of the trading day, consider scheduling your timed extraction to execute no earlier than 15 minutes after market close.

- **Premium EOD Pricing**

  To ensure you retrieve today's official close prices as soon as they are available, always use the trigger option to schedule your **Premium EOD Pricing** extractions. Timed extractions snap data at the time of the extraction. They do not snap data at intermediate intervals, as pricing triggered extractions do. DataScope Select performs one "behind the scenes" pre-extractions that execute at optimal times to capture and store pricing for the instruments in your input list. The pre-extraction process identifies the latest optimal retrieval time for the instruments, and then schedules the pre-extraction to execute three hours earlier.

The process initiates 15-minutes prior to the first scheduled snap time. At that point, DataScope Select checks the database for any instrument whose optimal retrieve time has already occurred. If end of day data is found, then that data is retrieved. If end of day data is not available, an intraday snapshot is performed at the instrument's optimal retrieve time. This process is repeated for each instrument in the input list at the instrument's optimal retrieve time. If no data is available as of the intraday snapshot, DataScope Select can return the previous day's price or a blank field, depending on how your preference for excluding null codes for universal close.

The extraction will be available following the latest snapshot unless there is an embargo on any instruments that has not expired. In this instance, the extraction will be available once the embargo has expired.

Premium EOD Prices that fail validation will not be verified or corrected as this data is provided in the **EOD Pricing** report. If you want to see verifications and corrections to Premium EOD Prices, you should schedule an **EOD Pricing** extraction using the same instrument list.

Additional Notes on Scheduling Premium EOD Pricing Extractions

- Pricing snap times are dependent on the market and/or instrument type. Please contact your local account manager or sales specialists for inquiries.
- Equity markets in Botswana, Cote D'Ivore, Ghana, Uganda and Zimbabwe update on the real-time network once a day after the market close times for each exchange. These markets will update at the approximate times (in GMT) below rather than within 30 minutes of market close:

Botswana – 15:30	Ghana – 15:00	Zimbabwe – 15:00
Cote D'Ivore – 16:00 GMT	Uganda – 15:30	

- Due to the nature of when the official EOD price becomes available, exchange-traded funds, evening trading equities, and composite markets such as MiFID, will deliver pricing later than the 30 minutes from market close standard.
- **Trade Date** updates differently based on the field selection. Include **Universal Close Price** to retrieve a **Trade Date** matching that on the **Universal Close Price** Date. Otherwise, the **Trade Date** will display the last update date from the EOD database.

- **Price History**

  To expedite extraction processing, do not schedule multiple **Price History** requests simultaneously. Instead, schedule your extractions to execute one at a time. Simultaneous multiple extraction requests are processed with similar requests from other clients. Those requests are slower than single extraction requests by design to prevent clients from dominating the processing queue.

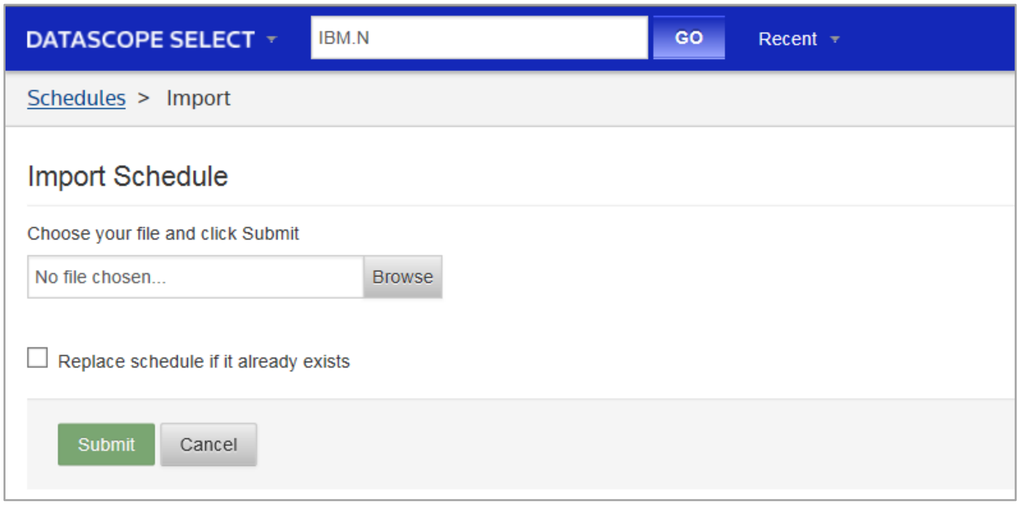
- **StarMine**

  StarMine updates data daily following the close of the Asia, EMEA and AMERS markets. Updates are delivered after the region's market close and before the market open on the next business day. Data arrival times are between 3:00 and 4:00 a.m. local time in each region. Consider this delivery time and schedule your extractions to execute accordingly to receive the most current data.

Importing Schedules

1. Click **DataScope Select**, and under **Schedules**, click **Import**.

   The **Import Schedule** screen appears.

2. Click **Browse** to locate the XML-formatted schedule on your computer.

3. Click **Replace schedule if it already exists** if you are replacing an existing file.

   An error message will appear if you do not check this option when replacing an existing file.

4. Click **Import**.

   Any errors are listed at the bottom of the screen. If no errors exist, the report is automatically added to the **Schedules** screen.

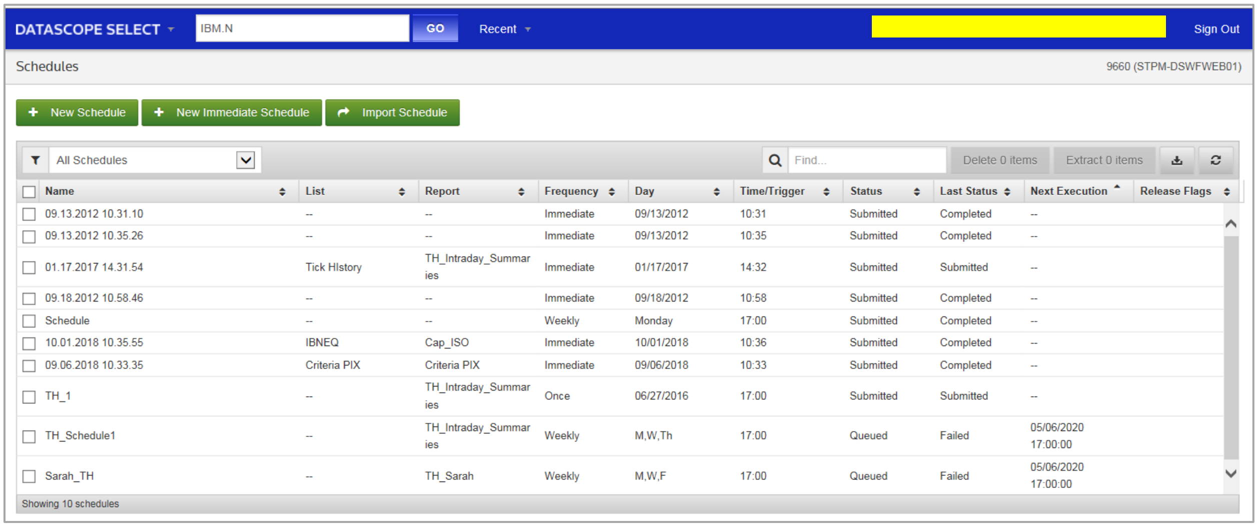
Important Notes about Importing Schedules

- When importing a schedule, the corresponding input list and report template must exist in your DataScope Select account in order for the extraction to execute. The file is validated prior to being imported.
- If you import a recurring schedule, the extraction will execute at the next scheduled date and time/trigger.
- If you import an immediate schedule, the extraction will be placed in the extraction queue immediately upon import.
- If you import a one-time schedule, the extraction will be placed in the extraction queue immediately only if the scheduled execution time is not earlier than midnight (start of the calendar day) based on the time zone specified in your user preferences; or if the scheduled extraction time is earlier than the current Universal Time Clock (UTC), minus 24-hours.

Tracking Extraction Executions

You can track your scheduled extraction executions from the **Schedules** screen. By default, the screen shows **Today's Schedules** (all completed and pending extractions schedules).

Use the drop-down to show your **Active Schedules** (All scheduled extractions that will execute today or at some future point, once or on a recurring basis. Immediate extractions are excluded) or **All Schedules** (All pending and completed extraction schedules, up to the 100-schedule limit.). Alternatively, use the **Find** box to search your schedules and related details. When you enter a text string or numerical value, only schedules matching your input appear:



Name	List	Report	Frequency	Day	Time/Trigger	Status	Last Status	Next Execution	Release Flags
09.13.2012 10.31.10	--	--	Immediate	09/13/2012	10:31	Submitted	Completed	--	
09.13.2012 10.35.26	--	--	Immediate	09/13/2012	10:35	Submitted	Completed	--	
01.17.2017 14.31.54	Tick HIstory	TH_Intraday_Summaries	Immediate	01/17/2017	14:32	Submitted	Submitted	--	
09.18.2012 10.58.46	--	--	Immediate	09/18/2012	10:58	Submitted	Completed	--	
Schedule	--	--	Weekly	Monday	17:00	Submitted	Completed	--	
10.01.2018 10.35.55	IBNEQ	Cap_ISO	Immediate	10/01/2018	10:36	Submitted	Completed	--	
09.06.2018 10.33.35	Criteria PIX	Criteria PIX	Immediate	09/06/2018	10:33	Submitted	Completed	--	
TH_1	--	TH_Intraday_Summaries	Once	06/27/2016	17:00	Submitted	Submitted	--	
TH_Schedule1	--	TH_Intraday_Summaries	Weekly	M,W,Th	17:00	Queued	Failed	05/06/2020 17:00:00	
Sarah_TH	--	TH_Sarah	Weekly	M,W,F	17:00	Queued	Failed	05/06/2020 17:00:00	

For each schedule, the following information appears:

- **Name** – Name of the extraction schedule. Note that a clock appearing next to the schedule name indicates that the schedule has a time zone other than the time zone selected in your **Preferences**. All times shown are relevant to your preferred time zone.
- **List** – The instrument or entity list tied to the extraction. A dash – appears in this column for scheduled instrument-less **News Items** extractions.
- **Report** – The report template tied to the extraction.
- **Frequency** – The frequency of the extraction (**Once**, **Weekly** or **Monthly**). For immediate extractions, **Immediate** appears in this column.
- **Day** – The day of the extraction execution based on the selected frequency. For weekly extractions, the letter(s) representing the day(s) of the week are shown. For monthly extractions, the calendar day is shown. For one-time extractions, the execution date is shown in the date format selected in your **Preferences**.
- **Time/Trigger Initiation** – The time or trigger that initiates the extraction. When your extraction has multiple triggers, the number of triggers is shown instead of the actual triggers.

  For **Composite** and **Equity EOD Pricing** extractions, the column shows the 4-digit IPC code prefixed with **DSE**. The file code is appended with either **P** (initial prices) or **E** (corrected prices) to indicate the type of pricing to extract. For multiple IPC triggers, the column shows the number of triggers in the schedule.

For **Fixed Income Premium Pricing** and **EOD Pricing** extractions, the trigger identifies the extraction type and the pricing trigger for that schedule (e.g., Premium US - 3 PM GORP).

For **Premium EOD Pricing** extractions, the pricing trigger is identified as **Premium intraday *xx:xx* PM**, where the time indicates the last pre-extraction time before the extraction (not the market close time).

For example, a triggered **Premium EOD Pricing** extraction with U.S. exchange-traded instruments would display **Premium intraday 04:15 PM**. For fixed income instruments, the trigger is identified as **Premium**, followed by the region and premium pricing cycle and fixed income instrument type, for example, **Premium US 3PM-GORP**. Multiple triggers are presented in a tool tip (for example, if you have a mixed instrument list or instruments from different markets).

Time is provided in the time zone and format specified in your **Preferences**. The date is also provided if the snap time happens yesterday or tomorrow, relative to your time zone. For example, if you are in China and schedule your extraction to execute at the close of the U.S. market for the trading day, the extraction will execute tomorrow with respect to your time zone. In this instance, the snap date will also be included.

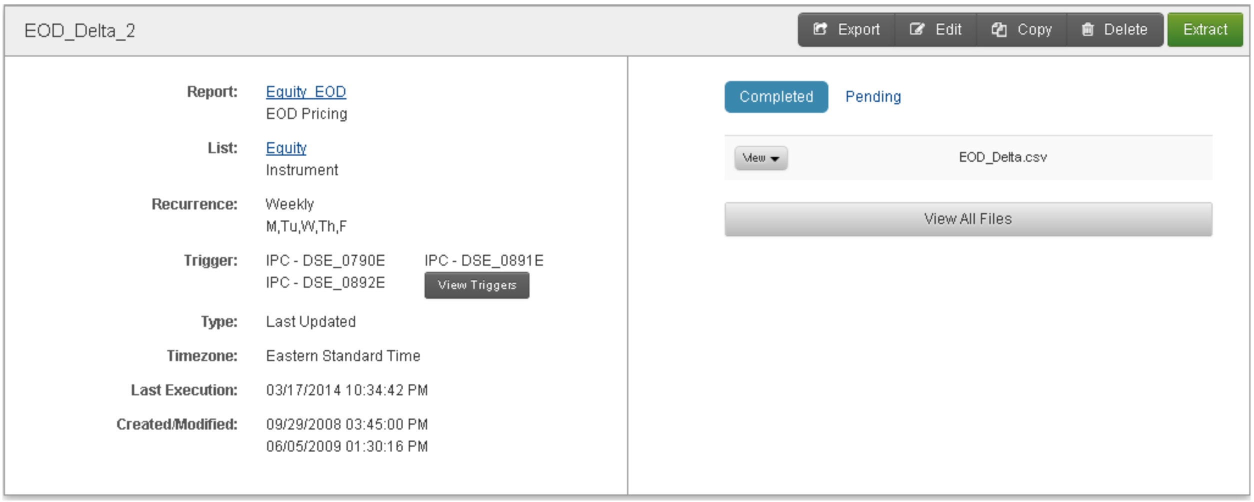
- **Status** – The scheduled extraction's status (waiting, queued, submitted, completed, etc.). As your extraction executes, the percent completed is shown, enabling you to track the extraction execution progress. Note that an extraction will automatically fail when the extraction size reaches approximately 2 GB. In this instance, no extraction file is generated, and the **Status** column will show **Failed**.

  Please note that **Composite** reports that use an Instrument List with no valid instruments will result in a failed extraction. Other report types will execute but the extraction notes file will indicate the instrument list was empty.

- **Last Status** – Status of the previous extraction execution for this schedule. Only applies to recurring extractions. The symbol **- -** appears for immediate extractions, as well as for new recurring schedules.
- **Next Execution** – Date of the extraction's next scheduled execution. The execution time is also shown for timed extractions. The symbol **- -** appears for immediate extractions.

Viewing Schedule Details

When you click on a schedule, the screen expands to show the corresponding details at the bottom of the screen:



Schedule details include the following information:

- **Report** – The report template tied to the extraction schedule. Click on the name to edit the report.
- **List** – The input list tied to the extraction. Click on the name to edit the list. The list type appears below the list name.
- **Recurrence** – The frequency of the extraction execution.
- **Trigger** – The trigger(s) or time that initiate the extraction. Click **View Triggers** to launch a new screen that shows the trigger mappings for each instrument in the corresponding instrument list in summary or detail format.

  The **Summary** view shows each instrument's trigger, status (e.g., waiting, queued, completed, etc.), the most recent trigger date, last arrival date and time and average arrival time. Average arrival time shows the arrival time for the indicated file code averaged over a two-week period and adjusted for processing and any unusual arrival times. Note that the **Timezone** drop-down list can be used when the instruments in the input list are not all regionally based. For details on pricing delivery times, please see the ***Data Arrival Time Guide*** on MyRefinitiv.

  The **Detail** view shows the information above, along with instrument's unique identifier, pricing source and description.
- **Type** – Type of pricing or analytics to retrieve for Composite, EOD Pricing, Premium EOD Pricing, Premium Pricing or Technical Indicators extractions: Today Only or Last Updated.
- **Timezone** – The time zone in which the extraction was scheduled.
- **Last Execution** – Date and time of the last extraction execution for this schedule. Date and time are shown in the format selected in **Preferences**. The symbol **- -** appears in this column for immediate extractions, as well as for new recurring schedules.
- **Created/Modified** – Date and time when the extraction schedule was created and last updated. Date and time are shown in the format selected in **Preferences**.

- **Completed/Pending** – By default, up to five completed extractions are shown. Click **Pending** to show the dates and times of the next five extraction executions for the selected schedule. Use the View ▼ drop-down to preview or download the extraction or view the corresponding notes file. Click **View All Files** to launch the **Extracted Files** screen. The screen has two tabs for viewing completed and pending extractions.
- **Completed Extractions** – Shows today's schedules by default. Use the drop-down to show schedules for a specified time frame. You can view all completed extractions that have executed prior to today and within the past 45 calendar days, including extractions that have executed but failed. Extractions that are older than 45 calendar days are automatically deleted from the DataScope Select server.

  Use the **Actions** column to preview or download the extraction and view the corresponding notes file or optional RIC maintenance and early non-embargoed **Intraday Pricing** reports.
- **Pending Extractions** – Shows pending extraction executions for today through the next five calendar days. The symbol **- -** appears in this column for immediate extractions. Note that the number of pending extractions shown can vary, depending on whether the schedule is for an **Intraday Pricing** extraction with multiple executions.

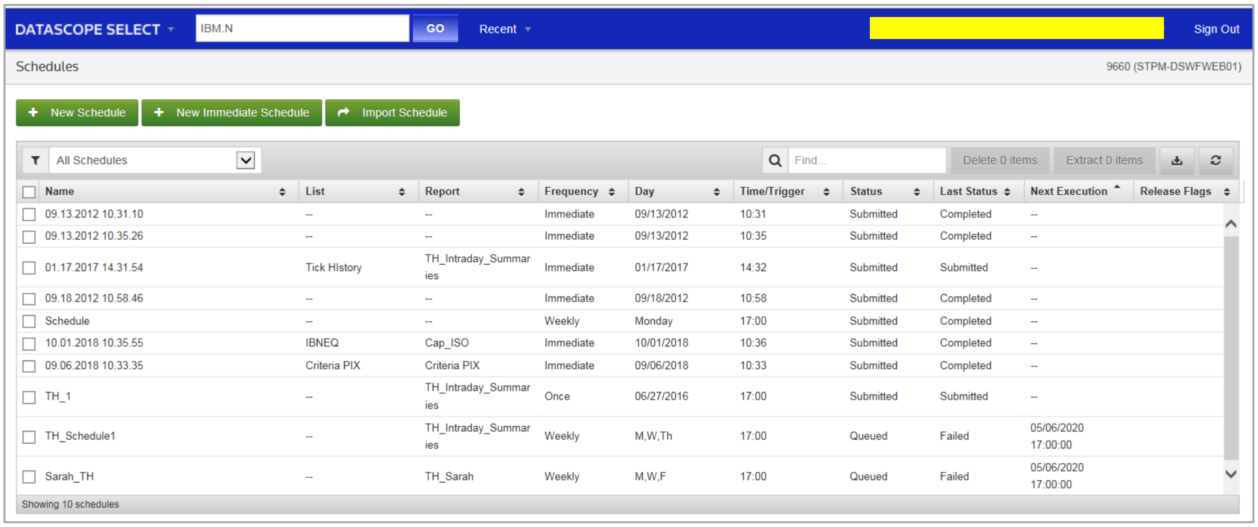
  For example, if you have an **EOD Pricing** extraction (or any other extraction type other than **Intraday Pricing**) that executes daily, this screen will show five pending extractions for that schedule (that is, one daily extraction execution x five calendar days = five pending extractions).

  If you have an **Intraday Pricing** extraction scheduled to execute 3 times each day, the page will show 15 pending extractions for that schedule (that is, 3 daily extraction executions x 5 calendar days = 15 pending extractions).

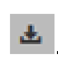
  - To export the selected schedule to an XML-formatted file, click **Export**. The file is automatically assigned the same name as the schedule with **_SCHED_Definition** appended.
  - To copy the selected schedule, click **Copy**. Note that you cannot copy immediate schedules.
  - To delete the selected schedule, click **Delete**.
  - To execute the scheduled extraction now, click **Extract**. The extraction snaps pricing or analytics for either the current day (today) or the last validated update, depending on the schedule's settings. **Extract Now** is just like running an immediate extraction without having to create a new schedule.

Managing Schedules

You can manage your existing schedules by clicking **DataScope Select**, and then selecting **Schedules**. See Tracking Extraction Executions for descriptions of the content displayed for each schedule.



You can manage your schedules follows:

- Use the **Find** box to search for a particular schedule. When you enter a text string or numerical value, only the schedules matching that information appear.
- Use the buttons above the table to create a new or new immediate schedule or to import a schedule from an xml-formatted file.
- Use the check boxes to select one or more schedules. This action enables the **Delete *x* Items** and **Extract *x* Items** buttons. The number appearing in these buttons identifies the number of items selected.
- Click the **Delete *x* Items** button to delete the selected schedules. You will be prompted to confirm the deletion.
- Use **Extract *x* Items** to add one or more scheduled extractions to the extraction queue immediately. The extraction snaps pricing or analytics for either the current day (today) or the last validated update, depending on your schedule's settings. Note that **Extract** is just like running an immediate extraction without having to create a new immediate schedule.
- To export the grid and all of the contents in it, click . This action launches a separate window from where you can open or save the grid to a comma separated value (csv) file. The file takes the name of the selected screen and the entire contents of the grid are exported.

  For example, exporting this screen will result in a file named **Schedules.csv** that includes your schedule details under the following columns: **Name**, **SubjectListName**, **ReportName**, **Frequency**, **Day**, **TriggerTime**, **Status**, **PreviousStatus**, **LastExecutionDateTime** and **NextExecutionDateTime**.

6 Retrieving Extracted Files

In this Chapter:

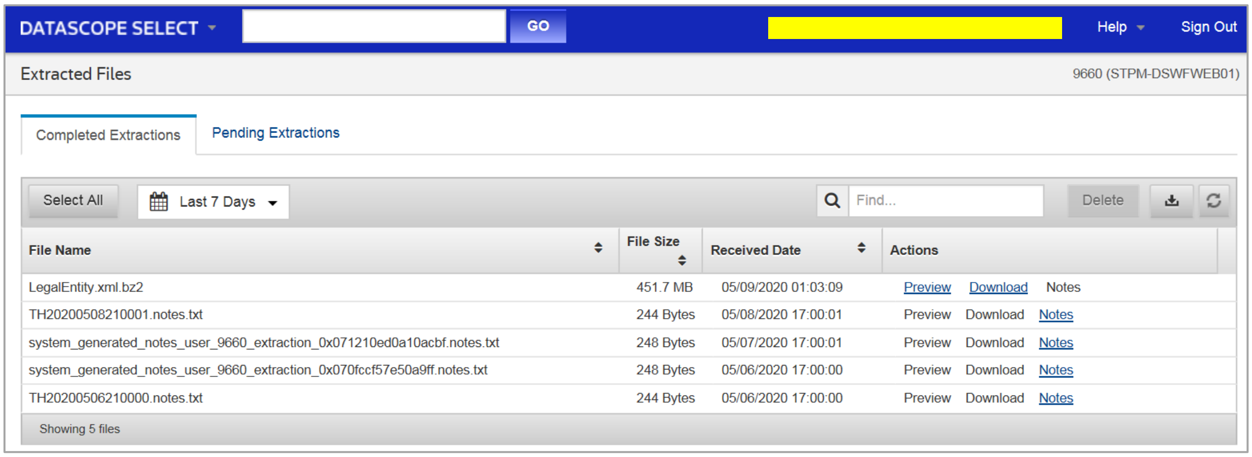
This chapter provides instructions for previewing and downloading your extraction files (extractions, related notes and optional reports) for use in your internal systems.

Information about Intraday embargoes is also provided, along with instructions for retrieving evaluated pricing files from Refinitiv Evaluated Pricing Service (formerly, TRPS).

Viewing Extractions

NOTE: It is possible that no extraction will be generated when the file size reaches approximately 2 GB. The status column on the **Schedules** screen will show **Failed**. The corresponding notes file will also indicate that the extraction failed due to its size.

You can view your extractions, related notes, and optional reports by clicking **DataScope Select**, and then selecting **Extracted Files**. **Completed** and **Pending Extractions** appear across two tabs.



- **Completed Extractions**

  Identifies your completed and failed extractions.

  All immediate and run-once extraction executions are shown, along with recurring extractions. The number of extracted files for any recurring extraction will vary, depending on how you have named the extraction file.

  For example, if you appended **%D** and/or **%T** to the output file name or left the output file name blank, all of your recurring extractions for that schedule will appear. This is because the extraction date and time are automatically part of the extraction name. If you specified an extraction name, the file will be overwritten each time the recurring extraction executes

  Extractions are listed chronologically with the most recent executed extraction listed first. Extractions that are older than **45 calendar days** are automatically deleted.

  To filter your completed extractions, select a time period from the drop-down. Supported views are: **Today**, **Yesterday**, **Last 7 Days** (default), **Last 30 Days**, **This Month**, **Last Month**, and **Custom Range**. You can also search for one or more extraction files matching a text string on numerical value. When you enter text in the **Find** box, only extractions matching that text appear.

  To enable the **Delete** button, click on a row. To select all extractions in the view, click **Select All**.

- **Pending Extractions**

  Identifies all of your upcoming extraction executions for today through the next two calendar days.

Identifying Your Extractions

Your extractions, corresponding notes, and optional files are identified as follows:

- If you assigned an output file name in the **Schedules** screen, the file is identified by that name in the **File Name** column. The date and time will be appended to the file name only if you append **%D** and/or **%T**.
- Recurring extractions with %D and %T appended to the extraction file name reflect the date and time of the time zone selected in the **Schedules** screen. The time zone is either the default value selected in your user preferences or a different one selected from the **Time Zone** drop-down list.
- If did not assign as file name, the file is identified by your DataScope Select ID, and the extraction date and time. Time is shown in UTC.
- If you set your preferences to receive optional RIC maintenance reports, the file is identified as **download maint. notes** in the **Actions** column.
- If you set your preferences to **Enable Early Partial Delivery of Embargoed Reports**, the early file is identified as **download partial** in the **Actions** column. The complete file will be identified by its assigned name when all embargoed data is released.
- If you set your preferences to **Enable Early Partial Delivery of Embargoed Reports** and **Enable Intermediate Embargoed Reports**, you will receive an initial file and subsequent files when prices are released.
- The initial intermediate embargoed file is identified as **Filename.0min** and contains prices for instruments that are available at that point. All subsequent files will be identified as **Filename.Xmin**, where *X* indicates the five-minute interval during which prices were released.

NOTE: You will not receive an intermediate embargoed report every five minutes.

You will only receive a report when prices have been released within that five-minute interval. That means if a price is released five minutes following the extraction execution and the next price is released within 20 minutes, two intermediate embargoed extractions will be delivered: **Filename.5mins** and **Filename.20mins**.

See Setting Preferences for information on Early Delivery of Non-Embargoed data and Intermediate Embargoed reports for **Intraday Pricing** and **Premium EOD Pricing** extractions.

Previewing & Downloading Extraction Files

NOTE: You must configure your **Preferences** to receive optional reports.

1. Click **DataScope Select**, and then click **Extracted Files**.
2. Select the file to download in the **Actions** column as follows:
   - **Preview**

     Click **Preview** to show your extraction in HTML format.
   - **Extractions**

     Click **Download**. A dialog appears prompting you to save the file in the format specified in your report template.
   - **Non-Embargoed Intraday Pricing & Premium EOD Pricing Reports**

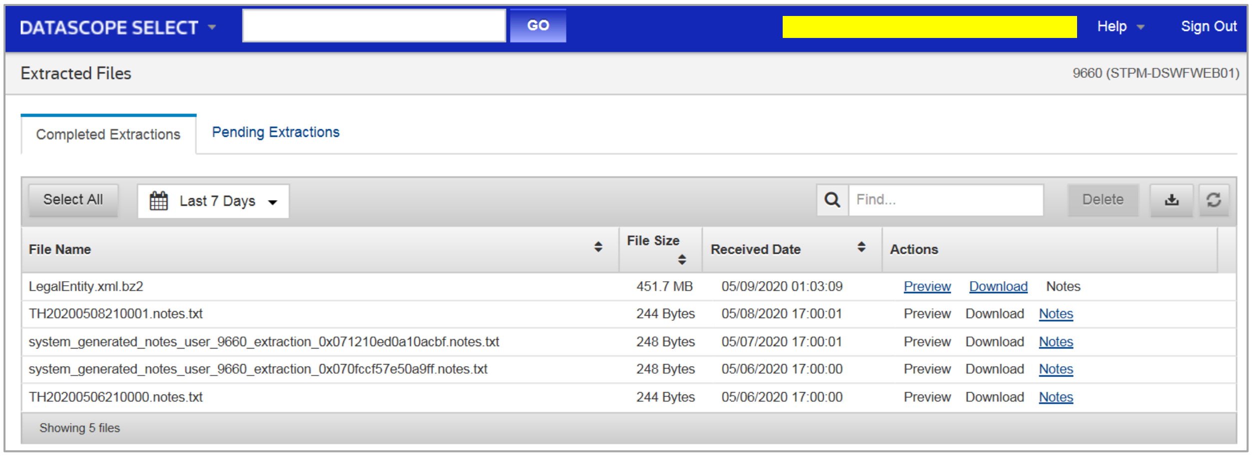
     Click **Download partial**. The completed extraction will be available from the **Download** column once all embargoed data has been released.
   - **Notes**

     Click **Notes**. The file appears in a separate browser window formatted as a text file. Note that the early partial **Intraday Pricing** report and full extraction share the same notes file.
   - **RIC Maintenance Reports**

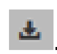
     Click **download maint. notes**. The file takes the same format as your extraction output file (CSV or XML).
   - **Platts Files**

     Click **PlattsCorrections** or **PlattsWeekend**. The file is CSV formatted. Note that you must be permissioned for Platts content in order to receive the optional daily corrections or weekend file.
3. Save the file to your computer (recommended).

Managing Extraction Files



You can manage your existing extraction files as follows:

- Use the **Select All** button to select all extractions in the current view.
- Use the **Find** box to search for an extraction. When you enter a text string, only your extractions matching that text appear.
- To enable the **Delete** button, click on one or more extractions. The buttons update to show the number of extractions selected for deletion. Note that deleted extractions cannot be restored.
- To export the **grid an**d all of the contents in it, click . This action launches a separate window from where you can open or save the grid to a comma separated value (csv) file. The file takes the name of the selected screen. The entire contents of the grid are exported. For example, exporting this screen will result in a file named **CompletedExtractions.csv** that includes your extracted files details under the following columns: **FileName, IsPartial, FormattedFileSize,** and **ReceivedDate**.

About Embargoed Extractions

DataScope Select is governed by exchange rules that require delays in the release of intraday and premium end of day data.

Embargo delays apply only to users who are not permissioned to receive real-time intraday data during the exchange's operating hours. No embargo is applied if you are permissioned for real-time intraday data or if you request data outside of the exchange's operating hours.

Please contact your local account manager or sales specialist for information about real-time intraday permissions.

Viewing Embargo Delay Details

To retrieve embargo information for the instruments in your input list, you should run an **Intraday Pricing** or **Premium EOD Pricing** extraction using the following fields:

- Current Embargo Delay
- Embargo Times
- Embargo Window
- Exchange Requiring Embargo
- Instrument Snap Time
- Last Intraday Update Time
- Maximum Embargo Delay
- PE Code
- Real Time Permitted

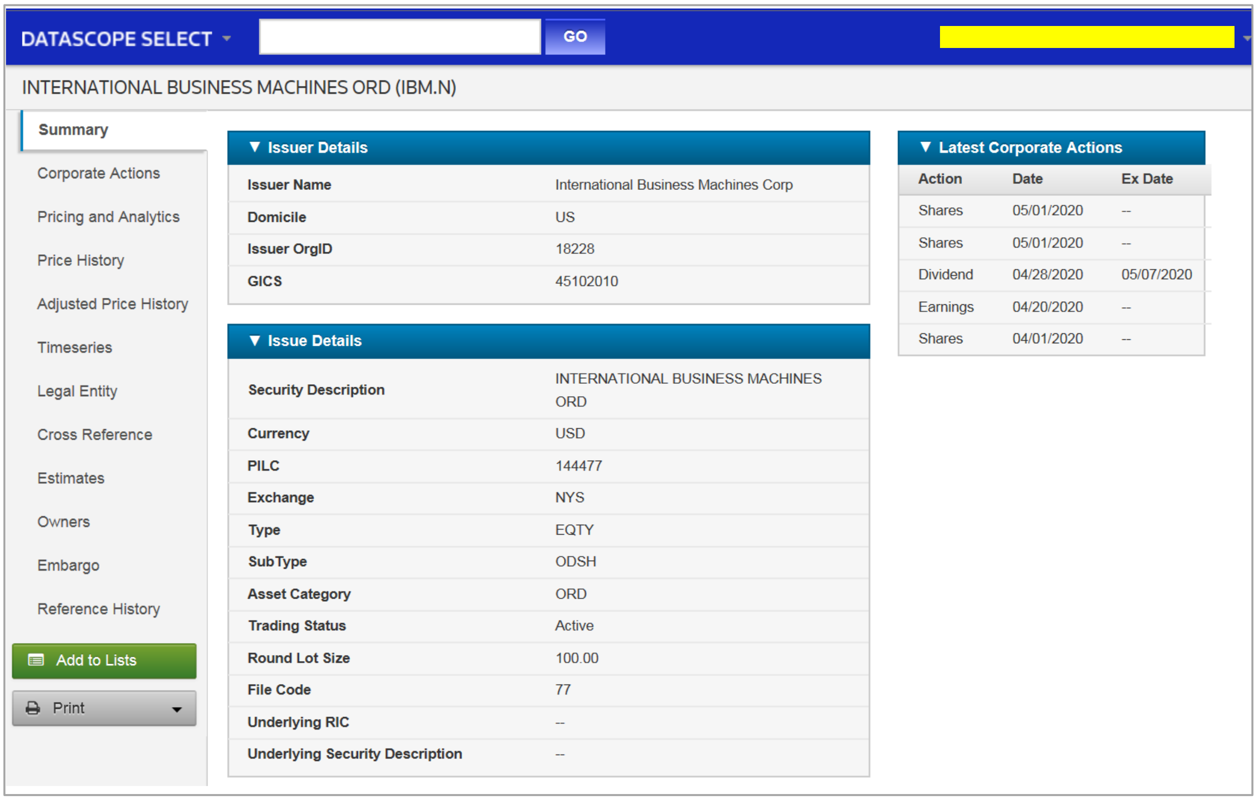
Your specific exchange entitlements are identified in the **Current Embargo Delay** and **Maximum Embargo Delay** fields based on the following logic in the following table. **Current Embargo Delay** represents, where applicable, the remaining amount of time (in minutes) until the exchange embargo is lifted. This is driven by the **Last Intraday Update Time** and is relative to the **Maximum Embargo Delay** required by the exchange. It is linked to the specific user exchange permissions. **Maximum Embargo Delay** is the maximum number of minutes required by the exchange that the instrument must be embargoed for, based on the specific users' exchange permissions.

Exchange	User Exchange Permission	Current Embargo Delay	Maximum Embargo Delay
Real Time	Real Time	0	0
	Delayed	Relevant exchange embargo	Relevant exchange embargo
Delayed*	Real Time	0	0
During Trading Hours	No Intraday	Blank - Data available outside of embargo window	Blank - Data available outside of embargo window
At all times	None	Blank – Clients need to subscribe to access the content	Blank – Clients need to subscribe to access the content

* Embargo delay=0. In this case, content is already delayed upstream, so no further embargo is applied.

Please note that the **Current Embargo Delay** and **Maximum Embargo Delay** fields can output either a numeric value to indicate the delay time in minutes or a text value (i.e., **N/A**) to identify exchanges marked as **No Intraday** or **None**. As a reminder, your exchange entitlements can be found under **Third-Party Content Permissions** via the **Preferences** screen. See Third Party Content Permissions for details.

You can also view embargo details for a selected instrument via the **Embargo** tab via the **Details** screen for equity instruments and futures & options. This screen shows key details, including exchange information, embargo delay times, instrument snap times, and last update times. Times are displayed in the time zone specified in your **Preferences**. The time zone is reflected in the **Preferred Time Zone** field.



Calculating Embargo Delays

The calculation method used to determine extraction release times for embargoed **Intraday Pricing** and **Premium EOD Pricing** extractions enables DataScope Select to deliver your files at the earliest delivery time permitted. DataScope Select uses the last intraday update time plus the maximum embargo delay to calculate extraction delivery times. Last intraday update time is the time at which DataScope Select received an update (‘tick’) for the instruments in your input list prior to the extraction snap time. Maximum embargo delay is the maximum number of minutes that the instruments must be embargoed as required by your exchange entitlements.

For extractions executed after an exchange closes, but before the last embargo period has expired, the embargo delay is less than the maximum delay. For example, say you scheduled your extraction to execute a 4:05 p.m. with instruments sourced from the NYSE. NYSE closes at 4:00 p.m. and has a 15-minute embargo. When the extraction executes at 4:05 p.m., the resulting file will be embargoed for 10 minutes at most.

Explanations of the calculation method are identified below, along with examples of how embargoed data is delivered. Note that the identifiers below are used for example purposes and do not reflect actual instruments.

- **Calculation Method for a Single Exchange**

  Extraction delivery time is calculated using the last update time for the most recently updated instrument plus the maximum embargo delay for a single exchange.

Inst.	Snap Time	Last Update Time	Embargo Delay	Release Time
1234=	12:00:00	11:46:55	30 min	12:16:55
AB.C	12:00:00	11:57:59	30 min	12:27:59
DEF.G	12:00:00	11:58:47	30 min	12:28:47

  In this example, DEF.G was the last instrument to be updated prior to the 12:00:00 snap time, at 11:58:47. DataScope Select uses this time instead of the snap time to initiate the exchange delay (11:58:47 instead of 12:00:00). When the maximum 30-minute delay required for all of the instruments is applied, the extraction release time is 12:28:47.

- **Calculation Method for Multiple Exchanges**

  When your extraction includes instruments from multiple exchanges with varying delays, the delay is calculated using the instrument with the maximum last update time and embargo delay.

Inst.	Snap Time	Last Update Time	Embargo Delay	Release Time
1234=	12:00:00	11:46:55	30 min	12:16:55
AB.C	12:00:00	11:57:59	15 min	12:12:59
DEF.G	12:00:00	11:58:47	20 min	12:18:47

  In this example, the maximum embargo is 30 minutes. This delay applies to the entire extraction. It begins on the last update time for instrument 1234= (11:46:55). The next instrument to be updated is AB.C at 11:57:59 with a 15-minute delay, followed by DEF.G, at 11:58:47 with a 20-minute delay. When the 20-minute delay for DEF.G has elapsed at 12:18:47, so have the 15 and 30-minute delays for the other two instruments. Therefore, the extraction can be released at 12:18:47.

Downloading Refinitiv Evaluated Pricing Files

The **Pricing Service** screen enables permissioned users to download a subset of evaluated pricing from Refinitiv Evaluated Pricing Service. Instruments include derivatives, difficult to value bonds, private placements, and collateralized debt obligations (CDOs), including asset-backed security CDOs, commercial real estate CDOs, and trust preferred security CDOs, as well as new asset classes.

Refinitiv Evaluated Pricing Service strives to provide complete coverage. You can use this tab to obtain pricing on instruments covered by Refinitiv that have not been fully integrated into the DataScope suite of products.

This screen can be accessed by clicking **DataScope Select** and then selecting **Pricing Service**. It is enabled when **Pricing Customer Access (FTTM External)** is selected in your **User Permissions**. The screen is hidden for all other users.

NOTE: To avoid downloading issues, do not include ampersands (&) in pricing file names.

The pricing file is immediately available for retrieval once it is uploaded by Refinitiv.

Files are listed in chronological order and can be sorted by **File Date** by default. You can click **download** to save the selected file to your own computer and use **Delete** to remove one or more files that you no longer need.

7 Understanding Extraction Output

In this Chapter:

This chapter describes the extraction output file format and details some of the content the file can contain. Details on the corresponding notes file and optional RIC Maintenance report are also provided.

Extraction Format

Your extraction output file is formatted according to the settings specified in your report template. In the following example, the report is formatted as a CSV file and displays column headers:

	A	B	C	D	E	F	G	I	J	K	L	M	N	O	P	
1	Accrued In	Accrued In	Ask Price	Ask Yield	Asset Typ	Benchmarl	Benchmarl	Benchmarl	Benchmarl	Benchmarl	Bid Price	Bid Yield	Bridge Syr	CUSIP	Common (	Co
255	0.16042	N	102.9389	2.41586	CORP	Curve UST	UST	0.48056	OA	5.15426	102.4289	7.29747	US*;DTE-6	25085JAJ2		E.
256	0.161	N	103.013	1.66067	CORP	Curve UST	UST	0.48056	OA	5.15426	102.503	7.18753	US*;DTE-6	25085JAL7		E.
257	2.51111	N	99	8.10996	CORP			16.18611	NO	4.84392	98	8.22358	US*;CCK-8	228255AD	13328765	E.
258	2.02083	N	102.1041	6.74742	CORP	Curve UST	UST	6.21944	OA	4.8024	101.5841	7.17664	US*;FE-7.!	476556BR5		E.
259	1.92653	N	104.9037	6.18693	CORP	UST 4.500 02/15/3E		16.23056	AS	4.91133	104.3837	6.2861	US*;VZ-7.1	165069AS4		E.
260		N			CORP								US*;CNO-(	857645AA3		N.
261	0.12153	N	388.006	-320.238	CORP			1.23056	NO	5.04019	387.506	-320.092	US*;FMEF	81425KAA0		E.
262		N			CORP								US*;TMM/	893868AA	4532627	N.
263	1.44794	N	105.8887	2.12821	CORP	Curve UST	UST	0.81389	OA	5.10412	105.3687	6.55701	US*;ODEL	679574AE3		E.
264	1.10417	N	102.125	6.9669	CORP			16.35278	NO	4.8448	101.125	7.27295	US*;Q-7.5-	912920AB1		E.
265		N			CORP								US*;NWS\	668367AD7		N.
266		N	0.011		CORP						0.01		US*;BFRS	081499AA3		E.
267	0.78368	N	102.9413	-0.08433	CORP	Curve UST	UST	0.08056	OA	5.0633	102.4213	6.16995	US*;OEC-:	709068AW0		E.
268	0.73229	N	102.5369	-0.84076	CORP	Curve UST	UST	0.08056	OA	5.0633	102.0169	5.43745	US*;WIPS	976843AX0		E.
269	0.47118	N	106.8876	6.42017	CORP	UST 4.500 02/15/3E		36.43611	AS	4.91133	106.1376	6.55756	US*;T-7.37	694032AV5		E.
270	0.48236	N	114.7183	6.21542	CORP	UST 4.500 02/15/3E		86.43611	AS	4.91133	113.9683	6.28196	US*;DIS-7.	254687AH9		E.
271		N	58.126		CORP						58.125		US*;NUTR	745053AA6		E.
272		N			CORP								US*;FMDE	302723AA9		N.
273	3.36389	N	35.875	20.95455	CORP			16.51944	NO	4.84568	35.375	21.22036	US*;ECSF	293561AU0		E.
274		N			CORP								US*;SEM(	46031KAA9		N.
275	3.36389	N	100.6019	6.88343	CORP	UST 4.500 02/15/3E		16.51944	AS	4.91133	100.0819	6.98371	US*;NWE(	668231AH6		E.
276	2.99826	N	100.25	6.82587	CORP			16.56389	NO	4.84591	99.25	6.95127	US*;AYE-(	017364AG5		E.
277	2.7309	N	96	7.21436	CORP			26.60278	NO	4.89862	95	7.30289	US*;Q-6.8	912920AC	15517921	E.
278	2.07951	N	100.0008	6.6237	CORP	UST 4.500 02/15/3E		27.68611	AS	4.91133	99.28083	6.68133	US*;T-6.62	694032AX1		E.
279		N			CORP								US*;WICK	967446AA3		N.
280	1.81875	N	101.2524	6.51452	CORP	Curve UST	UST	6.71944	OA	4.80351	100.6924	6.61828	US*;FE-6.1	476556BS3		E.
281		N			CORP								US*;CMINI	125765AA5		N.
282	1.80528	N	100.5928	6.58703	CORP	UST 4.500 02/15/3E		16.73056	AS	4.91133	100.0728	6.68384	US*;VZ-6.7	650094CA1		E.
283		N	81.126		CORP						81.125		US*;GAL-S	059538AC	4763742	E.
284																
285		N	1.001		CORP						1		US*;RELH	759464AH3		E

.Testing.20070205.203430.1081168.x6i4.csv]11536(1).Testing.20070205.20343

- **Table Format** – Extracted data is presented in a table, where each column represents a field, and each row represents an instrument or entity.
- **File Codes (IPC)** – If the instrument list tied to the extraction contains file codes (IPC), a row of data will be returned for each instrument tied to the IPC. If the IPC contains a RIC that already exists in the instrument list, the RIC will only appear once in your extraction output file. However, your extraction output file will indicate that duplicate RICs were found. In such instances, you will **not** be billed for the duplicate RIC.
- **File Codes & Chains** – File codes can include delisted RICs, and Chains can include Open Access constituents, depending on your **Preferences**. Whether these items are included will be indicated in the corresponding notes file.
- **Historical Extractions** – For historical extractions, the instruments in your output file will have a separate row for each trading day in the historical date range.
- **Report Order** – Fields and instruments are ordered as specified in your report template and input list; Column headers only appear when specified in your report template.
- **ISO 15022 Event Extractions** – DataScope Select outputs all ISO 15022 events in the standardized MT564 (Notification) and MT568 (Narrative) message formats expressed in the SWIFT proprietary syntax. ISO 15022 Events extractions are output as text files. See the *Refinitiv DataScope Select ISO 15022 Service User Guide* for details.

Bond Schedules Output Format

Bond Schedules data is output in chronological order based on a date that is specific to the Generic or MACE schedule type.

Generic Schedules

Schedule Type	Sort Field	Sort Order
Amount Outstanding	Amount Outstanding Date	Ascending
Call	Call Effective Date	Ascending
Capitalization	Capitalization Effective Date	Ascending
Collateral Group Loan History	As of Date	Descending
Coupon	Coupon Rate Effective Date	Ascending
Enhancements	Enhancement Effective Date	Ascending
Ex Dividend		
Extend	Extend Effective Date	Ascending
Facility Amendment		
Flip Option	Flip Start Date	Ascending
Facility Amendment	Last Change Date	Ascending
IBOR Reset Rates		
Index Factor History	Index Linked Bond Factor Effective Date	Ascending
Index Transition Provisions		
Interest Definition		
Loan Repayment	Repayment Begin Date	Ascending
Notes		
Package Amendment	Package Status Effective Date	Ascending
Partly Paid	Partly Paid Pay Date	Ascending
Price Adjustment	Pricing Adjustment Date	Ascending
Put	Put Effective Date	Ascending
Range Information		
Sink	Sink Date	Ascending

Schedule Type	Sort Field	Sort Order
Tranche Accrual History	Factor Date	Descending
Tranche Credit Support History	As of Date	Descending
Tranche Service History	As of Date	Descending

MACE Schedules

Schedule Type	Sort Field	Sort Order
Accretion	Accretion Start Date	Ascending
Contingent Conversion	Effective Date	Ascending
Conversion	Event Effective Date	Ascending
Convertible Call	Beginning Date of Redemption	Ascending
Convertible Dividend	Threshold Start Date	Ascending
Convertible Hurdle	Hurdle Effective Date	Ascending
Convertible Issue Range	Terms Subject to Range Description	Ascending
Convertible Ratchet	Ratchet Event Date	Ascending
Convertible Refix	Refix Effective Date	Ascending
Underlying Asset	Knock In Period Effective Date	Ascending

Extraction Content

Your extraction contains data for the fields selected in your report template and the instruments specified in your input list. Data is formatted according to their default values or in the formats specified in the **Format Fields** screen.

Below are highlights for understanding your extraction content:

- **Trade Date** – The trade date associated with any given item is the date of the last validated price rather than the date the price was requested. For **Premium EOD Pricing** extractions, the Trade Date is updated only when the Universal Close Price is updated. To determine other relevant price dates, use the Date field specific to the fact, Close Price & Close Price Date.
- **Code Values** – DataScope Select uses code fields for displaying certain values in extractions. You can find code descriptions for any field in the *Refinitiv DataScope Select Data Content Guide*.
- **Blank Fields** – Indicates that data was restricted (e.g., **Premium** and **Entitled** fields), not available or not applicable to the asset type. The restricted data is identified in the corresponding notes file.
- **Invalid Instruments** – No data will be returned for an invalid instrument. Only the instrument's identifier type and identifier will be displayed in your extracted output file, if these fields are selected in your report template. See Setting Preferences for information about inactive bonds and unsupported instruments in your extraction output files.
- **Inactive Instruments** – Mortgage TBAs that were active on import, but have since become inactive will result in blank fields output in extractions. To resolve this issue, you should re-import the impacted instrument lists, making sure that **Allow Import of Inactive Instruments into Instrument Lists** is selected in your Preferences.
- #### appearing in any field means that the output value does not fit the column width specified in Microsoft Excel. To expand the column width, drag the left column border in the column header to the width you want or select **Format** > **Column** > **Auto Fit Selection**.
- **Close & Alternate Close fields in EOD Pricing & Price History extractions** – See the *Refinitiv DataScope Select Data Content Guide* for explanations of Close and Alternate Close fields.
- **User Pricing Methodology** – Full descriptions of the methodology used to evaluate Credit Default Swap (CDS), Interest Rate Swap (IRS), and Over-The-Counter (OTC) Equity Option user instruments are detailed on the Customer Zone.
- **Fund Allocations** – The first 600 validated Lipper Funds will be processed in your Fund Allocation extraction, and a separate row of data will be output for each allocation rank per allocation scheme. DataScope Select will provide all requested data that exists in the Lipper Fund database for the instruments in your input list. Note that allocations are not offered for every Lipper Fund and some schemes may not have data populated for every field.

  Allocation rankings are presented in descending order, where 1 represents the highest percentage ranking of the fund's allocation items as of the current posting date. Because rankings are based on the posting date, it is possible that an allocation percentage for the current posting date will be ranked above a higher allocation percentage for a historical posting date.
- **EJV-sourced instruments in Intraday Pricing Extractions** - Intraday Prices are not available for EJV-sourced fixed income instruments on the real-time network. As a result, end of day prices, when available, are provided instead in **Intraday Pricing** reports. In these instances, the extraction notes file will identify the impacted instruments with the following warning:

  ```
  WARNING: Using EOD Pricing for instrument (Identifier Type,
  identifier),
  ```

- **RIC Output** – DataScope Select uses the following methodology for outputting RIC identifiers:
  - **When your instrument list contains non-RIC identifiers for Gov/Corp instruments:**
    - The GovCorp RIC displayed in your extraction output file will be the RIC associated with a contributed price if one exists. If not, then the preferred RIC is shown.
  - **When your instrument list contains old RIC identifiers:**
    - DataScope Select will output current RICs, instead of any old RICs that exist in your instrument lists. As a result, the RIC field and pricing fields in your extraction may be affected. For all other reports, only the RIC field is affected.
    - A message appears in the notes file when a new RIC is used in place of the RIC in the input list.

      Example:

      New RIC CGJ.AX was used in place of instrument list RIC CML.AX.

      New RIC LMSO.L^B07 was used in place of delisted instrument list RIC LMSO.L.

      The first message indicates that the input list contains RIC CML.AX. The new RIC for that instrument is now CGJ.AX.

      The second message indicates that the input list contains RIC LMSO.L, but that instrument has been delisted. The new RIC for that delisted instrument is now LMSO.L^B07.
  - **When your instrument list contains invalid or RIC identifiers for which you are not permissioned:**
    - No data, including the RIC identifier, will be output in your extraction. All output fields for the invalid or non-permissioned RIC will be blank in your extraction.
    - To ensure that invalid and non-permissioned RIC identifiers are included in your extraction, include the **Instrument ID** and **Instrument ID Type** fields in your report template.

Universal Bid, Ask & Close Pricing Logic

This section describes the logic used to output Universal Bid, Universal Ask and Universal Close prices in extractions. The logic varies based on report template, asset type and price source.

Universal Bid & Ask Prices

Composite, EOD Pricing & Premium EOD Pricing Extractions

- ***Fixed Income – Refinitiv Evaluated Pricing Service RICs (Price Source "EJV")***

  For **Composite** and **EOD Pricing** extractions, the current day's 4:00 PM Bid and Ask Prices reported for the AMERS, EMEA and ASIA regions are used for the Universal Bid and Universal Ask Prices. Blanks are returned if the prices are not available. Bid and Ask Prices are not swapped if one price is not available.

  For **Premium EOD Pricing** extractions, the current day's closing Bid and Ask Prices reported for the AMERS, EMEA and ASIA regions are used for the Universal Bid and Universal Ask Prices. If these prices are not available, the 4:00 PM Bid and Ask Prices are used instead. If the 4:00 PM Bid and Ask Prices are not available, then the 3:00 PM Bid and Ask Prices (AMERS and ASIA regions) or 2:00 PM (EMEA region) Bid Prices are used. If these prices are not available, then the previous day's Closing Bid and Ask Prices are used instead. Blanks are returned if the Universal Bid and Ask Prices are not available. Bid and Ask Prices are not swapped if one price is not available.

- ***Fixed Income – Contributed & Composite Instruments (Price Source other than "EJV")***

  The current day's non-null Bid Price is used for the Universal Bid Price. If that price is not available, the first non-null Ask Price is used, if available. If not, the first non-null Close Price is used for the Universal Bid Price. For the Universal Ask Price, the first non-null Ask Price is used for the Universal Ask Price. If that price is not available, the first non-null Bid Price is used, if available. If not, the first non-null Close Price is used for the Universal Ask Price.

EOD & Premium EOD Pricing Universal Bid/Ask – Fixed Income (Contributed & Composite Instruments)					
Bid	**Ask**	**Close**	**Universal Bid**	**Universal Ask**	**Universal Bid/Ask Date**
Y	Y	Y	Bid	Ask	Trade Date
N	Y	Y	Ask	Ask	Trade Date
Y	N	Y	Bid	Bid	Trade Date
N	N	Y	Close	Close	Trade Date
Y	Y	N	Bid	Ask	Trade Date
Y	N	N	Bid	Bid	Trade Date
N	Y	N	Ask	Ask	Trade Date
N	N	N	Blank	Blank	Blank
Y	Y	NA	Bid	Ask	Trade Date

- ***Equities, Futures & Options, Money & Exchange-Traded Funds***

  The current day's end of day Bid and Ask Prices are used as the Universal Bid and Ask Prices. If the Bid Price is not available, then the Ask Price is used in its place as Universal Bid price. If the Ask Price is not available, then the Bid Price is used as the Universal Ask Price. If neither price is available, the Rollover Bid and Ask prices for the previous trading day are used instead. **Premium EOD Pricing** extractions will follow the same logic for the Universal Bid and Ask Price unless the price is snapped from the intraday source as part of the extraction. In this case, the price will come from a single price field determined to retrieve the best available price.

  NOTE: For some exchanges, Universal Bid and Ask will reflect the previous day's Close Bid or Ask Price if the extraction is scheduled during market hours before the current day's Close Bid or Ask Prices have updated. Because Premium EOD Pricing is designed to return official closing prices, it is not always possible to retrieve intraday values.

- ***Lipper Funds***

  For Lipper funds, the current day's Closing Bid and Ask Prices are used as the Universal Bid and Ask Prices. If the Closing Bid Price is not available, then the Closing Ask Price is used as the Universal Bid Price. If the Closing Ask Price is not available, the Closing Bid Price is used as the Universal Ask Price. If neither price is available, then the Rollover Bid and Ask Prices for the previous trading day are used. If the Rollover Bid and Ask Prices are not available, then the Rollover Mid Price is used. If the Rollover Mid Price is also not available, then the Rollover Net Asset Value (NAV) is used. If the Rollover NAV is not available, the Universal Bid and Ask Price fields will be blank.

Intraday Pricing Extractions

Intraday Bid and Ask Prices are used for the Universal Bid and Ask Prices for all supported instrument types.

If the Intraday Bid Price is not available, then the Intraday Ask Price is used instead as the Universal Bid Price. If the Intraday Ask Price is not available, then the Intraday Bid Price is used as the Universal Ask Price.

If both the Intraday Bid and Intraday Ask Price are not available, then the Closing Universal Bid or Ask Price is used instead. If the Closing Universal Bid or Ask Prices are available, then the Universal Bid and Ask prices will be blank.

Intraday Universal Bid/Ask – All Supported Instrument Types					
Intraday Bid	**Intraday Ask**	**Closing Universal Bid**	**Closing Universal Ask**	**Universal Bid**	**Universal Ask**
Y	Y	Y	Y	Intraday Bid	Intraday Ask
N	Y	Y	Y	Intraday Ask	Intraday Ask
Y	N	Y	Y	Intraday Bid	Intraday Bid
N	N	Y	Y	EOD-UB	EOD-UA
N	N	N	N	Blank	Blank

Price History Extractions

- ***Fixed Income – Refinitiv Evaluated Pricing Service RICs (Price Source "EJV")***

  Closing Bid or Ask Prices are used for the Universal Bid and Ask Prices, as Premium Prices are not stored for historical retrieval. Bid and Ask Prices are not swapped if one price is not available.

- ***Fixed Income – Contributed & Composite Instruments (Price Source other than "EJV")***

  Closing Bid or Ask Prices are used for the Universal Bid and Ask Prices. Bid and Ask Prices are swapped if one price is not available.

- ***Equity, Money, Futures & Options***

  Closing Bid or Ask Prices are used for the Universal Bid and Ask Prices. Bid and Ask Prices are swapped if one price is not available.

- ***Lipper Funds***

  Closing Bid or Ask Prices are used for the Universal Bid and Ask Prices. Prices are not swapped if one price is not available. Bid and Ask Prices are not swapped if one price is not available.

Universal Close Prices

NOTE: **Exclude Null Codes for Universal Close Price** can be checked In **Preferences** to retrieve the previous business day's universal close price when the extraction executes on a non-trading day or does not have a value for the current trading day, eliminating null code values in extractions. Leaving the preference unchecked will mean the current day's null code is returned. (Preference is not applicable to **Price History** extractions).

Composite, EOD Pricing & Premium EOD Pricing Extractions

- ***Fixed Income – Refinitiv Evaluated Pricing Service RICs (Price Source "EJV")***

  For **Composite** and **EOD Pricing** extractions, the current day's 4:00 PM Bid Price is used as the Universal Close Price. Note that Close Price may not match the Universal Close Price because a 4:00 PM price may be used instead of the Closing Bid Price.

  For **Premium EOD Pricing** extractions, the current day's closing Bid Prices reported for the AMERS, EMEA and ASIA regions are used for the Universal Close Prices. If these prices are not available, the 4:00 PM Bid Prices are used instead. If the 4:00 PM Bid Prices are not available, then the 3:00 PM Bid Prices (AMERS and ASIA regions) or 2:00 PM (EMEA region) Bid Prices are used. If these prices are not available, then the previous day's Closing Bid Prices are used instead.

- ***Fixed Income – Contributed & Composite Instruments (Price Source other than "EJV")***

  If the pricing method is **Yield** or **Discount Price**, then the corresponding Bid Yield or Bid Discount price value is used for the Universal Close Price. If the pricing method is **Price**, then the Closing Price is used for the Universal Close Price except for Composite RICs (price source = CPL, CPN or CPT), where the Bid Price is used for Universal Close Price.

- ***Equity, Money, Futures & Options***

  A Universal Close Price is provided per file code. The value is mapped to a price fact that the corresponding exchange deems to be the official closing price (for example, Official Close, Bid, Ask, etc.). In cases where the exchange does not provide an official Closing Price, Refinitiv determines the Closing Price. See the *Refinitiv DataScope Select Data Content Guide* for mappings by exchange. Note that the **Universal Close Price Date** will appear current despite the **Universal Close Price** being from a previous trade date for suspended or illiquid instruments.

- ***Lipper Funds***

  DataScope Select determines the Universal Close Price for Lipper Funds based on a hierarchy of the first non-null price from Net Asset Value, Bid Price, Mid Price or Ask Price.

Price History Extractions

- ***Fixed Income – Refinitiv Evaluated Pricing Service RICs (Price Source "EJV")***

  Closing Bid Prices are used for the Universal Close Prices, as Premium Prices are not stored for historical retrieval.

- ***Fixed Income – Contributed & Composite Instruments (Price Source other than "EJV")***

  Universal Close Price follows the following hierarchy to retrieve the first non-null price from Bid Price, Bid Yield, Bid Discount, Trade Price1, Official Close Price, Close Ask, Trade Yield1, Last Discount1, Bid Real Yield, Ask Real Yield, Bid Spread, Ask Spread, Bid Clean Price, Dirty Price, Mid Dirty Price, Mid Price, Mid Yield, Bid Close Discount Margin, Ask Close Discount Margin, Average Price1 or Last Trade Price.

- ***Equity, Money, Futures & Options***

  A Universal Close Price is provided per file code. The value is mapped to a price fact that the corresponding exchange deems to be the official closing price (for example, Official Close, Bid, Ask, etc.). In cases where the exchange does not provide an official Closing Price, Refinitiv determines the Closing Price. See the *Refinitiv DataScope Select Data Content Guide* for mappings by exchange.

- ***Lipper Funds***

  DataScope Select determines the Universal Close Price for Lipper Funds based on a hierarchy of the first non-null price from Net Asset Value, Bid Price, Mid Price or Ask Price.

Premium EOD Pricing Validation Codes

Validation checks are reported for the following fields: **Ask Price**, **Alternate Close**, **Bid Price**, **Close Price**, **High Price**, **Low Price**, **Mid Price**, **Settlement Price**, **Universal Ask Price**, **Universal Bid Price**, **Universal Close Price**, **Volume** and **SWAP Price**. Multiple codes are presented in a comma-separated list.

Possible values that can be returned include.

Code	Description
OPT	Price captured after Market Close Time but before Optimal Retrieve Time
PRE	Price captured prior to Market Close Time
EOD	Validated EOD Price
PFI	Verified Premium Fixed Income Price
JMP	Price increased/decreased beyond expected percentage from the previous day's price
FLT	Price is the same as the previous day's price
MIS	No price found for this instrument
NEG	Illogical negative price
BGA	Bid is higher than Ask
AOK	Price passed all Premium EOD validations
TMD	Price not captured at Scheduled Retrieve Time

Null Code Values

If you have **Return Null Code Values in Extraction Pricing Fields** selected in your **Preferences**, your extraction will reflect the appropriate null code value when the instrument's price is not available due to exchange events (e.g., Public Holiday) or certain data conditions (e.g., Invalid Format). This setting applies to **EOD Pricing**, **Premium EOD Pricing** and **Price History** extractions for Fixed Income, Equity, Derivatives, Money, and Open Funds, as well as **Estimates** extractions for equity instruments.

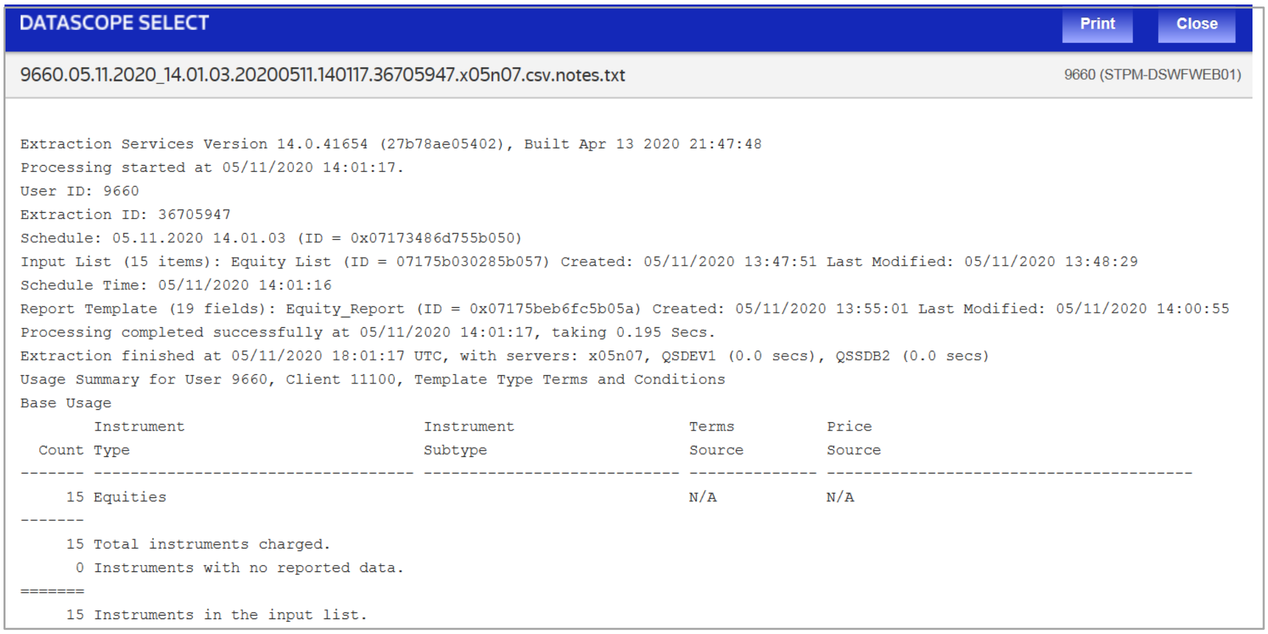
Supported null code values are as follows:

Code	Description
-9999201	Invalid format (e.g., character instead of numeric)
-9999202	Source-reported error
-9999301	No data applicable (e.g., this fact is not available from this exchange)
-9999401	No trade, including suspended; no activity for money data *
-9999402	Market holiday *
-9999999 or null	Generic null, no data available *
-9999 or null	Generic null, no data available (**Estimates** extractions only)
* Applicable to **EOD Pricing**, **Price History** and **Single Price History** extractions. All other codes are for **EOD Pricing** extractions only unless noted.	

About Extraction Notes

A corresponding notes file is generated with your extraction. It provides information about the extraction execution, including processing statistics, embargo delays, suppressed items, and warnings.

NOTE: To expedite troubleshooting of extractions, always provide the notes file, along with the corresponding input list and report template, when raising a client inquiry.




```
Extraction Services Version 14.0.41654 (27b78ae05402), Built Apr 13 2020 21:47:48
Processing started at 05/11/2020 14:01:17.
User ID: 9660
Extraction ID: 36705947
Schedule: 05.11.2020 14.01.03 (ID = 0x07173486d755b050)
Input List (15 items): Equity List (ID = 07175b030285b057) Created: 05/11/2020 13:47:51 Last Modified: 05/11/2020 13:48:29
Schedule Time: 05/11/2020 14:01:16
Report Template (19 fields): Equity_Report (ID = 0x07175beb6fc5b05a) Created: 05/11/2020 13:55:01 Last Modified: 05/11/2020 14:00:55
Processing completed successfully at 05/11/2020 14:01:17, taking 0.195 Secs.
Extraction finished at 05/11/2020 18:01:17 UTC, with servers: x05n07, QSDEV1 (0.0 secs), QSSDB2 (0.0 secs)
Usage Summary for User 9660, Client 11100, Template Type Terms and Conditions
Base Usage
        Instrument                          Instrument                    Terms          Price
  Count Type                                Subtype                       Source         Source
------- ----------------------------------- ----------------------------- -------------- ----------------------------------------
     15 Equities                                                          N/A            N/A
-------
     15 Total instruments charged.
      0 Instruments with no reported data.
=======
     15 Instruments in the input list.
```

Processing Statistics

The following statistics are always provided:

- User ID
- Extraction ID
- Schedule Name and ID
- Input List, # of items in list, name and ID, creation date and last modified date
- Schedule Time or Trigger
- Report Template, # of fields, name and ID, creation date and last modified date
- Processing completion date, time and number of seconds to complete
  - Processing time is shown in the time zone selected in your user preferences.
  - The processing time is the total time elapsed while extracting the data from the database and external sources and formatting the report for delivery.
- Extraction finish date, time (UTC) and servers used in processing
- Processing Completion and Extraction Finished are the same except that the extraction finished time is output in UTC for troubleshooting purposes.
- Usage Summary
- Notes and warnings for the specific extraction type that are identified during the extraction execution are also provided. These include notes related to instruments, exchange embargoes, scheduling times, data fields, etc.

Refinitiv Evaluated Derivatives and Structured Notes Tiers

Derivatives and Structured Notes Tiers pricing from Refinitiv Evaluated Pricing Service involves more research, analysis and price modeling per security by the Refinitiv Pricing Service Specialists than pricing of standard securities. Access requires additional permissions.

The types of complex instruments priced by Refinitiv Evaluated Pricing Service are grouped as follows:

- **Derivatives Tier 1:** Includes Vanilla IRS (Non-daily accrual), IR Swaptions, Equity Warrants, Vanilla OTC Options, Caps & Floors and Currency Forwards.
- **Derivatives Tier 2:** Includes Knock in/ Knock out Options, Barrier Options, Total Return Swaps, Digital options, Lookback option and Credit Default Swaps (Bonds, Index and Loans).
- **Derivatives and Structured Notes Tier 3:** Includes Volatility & Variance Swaps, Equity Linked - Index, share or basket (ELI), Commodity Linked Note (CML), Currency Linked Note (CUL), Hybrid Note (HYB), Interest Rate Linked Notes Range Coupon (IRR), CDX swaption, Interest Rate Linked Notes Steepener (IRS), CDX swaption, Dispersion Swaps, Exotic options, Mandatory exchangeable Notes (ELX), Reverse Convertibles (ELR), Inflation linked notes (IRC), Credit Linked Notes (CRL), Synthetic CDO's and Any Structure with Bermudian call features.
- Derivatives and Structured Notes usage from Refinitiv Evaluated Pricing Service is reported in your extraction notes file. It shows the total count of instruments by complex instrument type, along with the complex instrument group type and the pricing source.

Embargo Delays

Each exchange and its corresponding embargo delay are identified on a separate line. Delivery times are presented in the time zone set in your user preferences.

NOTE: If you run an **Intraday Pricing** or **Premium EOD Pricing** extraction that requires exchange delays, your notes file will be delivered before the output file. It will identify the exchange delays and the expected delivery time of the output file. Once the extraction is delivered, the notes file will be updated to reflect the actual delivery time for the embargoed extraction.

For more information about embargo delays, see About Embargoed Extractions.

Intermediate Embargo Reports

The initial intermediate embargoed file is identified as **Filename.0min** and contains prices for instruments that are available as of the extraction execution. All subsequent files are identified as **Filename.Xmin**, where X indicates the five-minute interval during which prices are released.

NOTE: If you clear the intermediate embargo report preferences, the file name for the previously scheduled and all new extractions going forward will no longer have Xmins. Please note the impact of this change on automatic processing of your extraction reports.

The time of the initial intraday snapshot, embargoes and the exchanges requiring those embargoes are identified first. The last intermediate embargoed report that will be delivered follows. This report will contain prices for the exchange with the longest delay. All intermediate embargoed reports and the times at which they will be delivered appear next.

Invalid Instruments

Invalid instruments are those that appear in your instrument list, but could not be validated. Invalid instruments are:

- Inactive or Unsupported.
- Assigned a pricing source that cannot be found
- Not found in the DataScope database

NOTE: You can set DataScope Select to allow import of inactive and unsupported instruments into your input list via your **Preferences**.

Suppressed Items

Suppressed items can include:

- **Third-Party Content & Entitled and Premium Data Fields** – All data fields that you are not entitled to will be identified as suppressed. Each data field will be listed on a separate line.
- **Certain Prices** – Prices that are older than today will be suppressed for extractions that are scheduled to retrieve **Today Only** prices. Each instrument will be identified on a separate line with the instrument's last trade date being identified as greater than the extraction execution date.

Warnings

Warnings alert you to any problems with your extraction, such as missing prices invalid/missing identifiers. Details on specific warnings are provided in FAQs, which you can access via the **Help** menu.

ISO 15022 Events

For information on the notes file for ISO 15022 event extractions, see the *Refinitiv DataScope Select ISO 15022 Service User Guide*.

StarMine Notes

The notes file for **StarMine** extractions includes enhanced and expanded data that is not reported currently, or is different from the notes file, for all other extraction types. The expanded and different data includes:

- Truncation lengths are tracked separately for all fields, including fields with the same name.
- Fields that have leading or trailing tabs, etc. are quoted.
- The order of lines in the notes file may differ from other extraction types.
- Extractions that fail and generate a partial report are identified with a stamp indicating the actual processing end date and time in the header/trailer (instead of a dummy date).
- Input lists will be identified with a hexadecimal radix indicator (0x).

About RIC Maintenance Reports

The RIC maintenance report lets you view descriptive and reference data fact changes to the equity-related RIC identifiers in your instrument lists. This optional report identifies RIC maintenance changes that have occurred over the past ten days and is available for equities, warrants, funds, derivatives, and money/foreign exchange.

To generate and view RIC maintenance reports, you must have **Enable RIC Maintenance Reports** selected in your **Preferences**.

The report is generated simultaneously with your extraction output file. It appears in the RIC Maintenance column in the **Extracted Files** screen. The file takes the same format as your extraction output file (CSV or XML). Additionally, if you have Column Headers selected in your report template, column headers will appear in your RIC Maintenance report and vice versa.

NOTE: Maintenance reports are based on reference changes made in the last 24 hours, though they could apply to previous ten days. The times will vary by instruments. DataScope Select databases refresh by early maintenance reports that occur before market opening per region, and then receive 15-minute updates throughout the day. Any change that occurs upstream is visible on DataScope Select within 15 minutes (approximately).

Report Contents

The RIC maintenance report contains the following information:

Column	Description
Identifier	Identifier for the equity instrument in your instrument list whose data facts have changed over the past ten days.
Identifier Type	Identifier type for the equity instrument.
Source	Three-digit exchange code for the equity instrument.
RIC	Updated RIC for the instrument in your instrument list based on the maintenance changes. This value matches the RIC in the **New Value** column, not the RIC in your instrument list.
Record Date	Date on which the RIC maintenance event occurred. Note that the record dates are not listed chronologically. That means an instrument can be identified as **DLST** (delisted) in row 1, and then identified as **RENM** (Renamed) in row 2, when the instrument was actually renamed first, and then delisted.
MainType	Code representing the RIC maintenance type: • **CCNV** – Currency Conversion • **DELT** – Deleted (RIC permanently removed) • **DLST** –Delisted (No new pricing information) • **FLCH** – File Code Change • **RENM** – Rename (RIC name change) • **RLST** – Relisted (Pricing will start again) • **SPLT** – Stock Split

Column	Description
Old Value	RIC for the instrument before the maintenance updates. This value matches the RIC in your instrument list.
New Value	Updated RIC for the instrument in your instrument list based on the maintenance changes. This value matches the RIC in the **New Value** column, not the RIC in your instrument list.
Factor	Numeric value indicating the adjustment of per share values applicable for split and currency conversion records. A value of 1 in this field indicates that you should apply the CU Factor to all relevant non-grade fields, except volume. A value of 2 indicates that the CU Factor should be applied to the Turnover fact only, as prices are quoted on a percentage basis.
Factor Type	Factor type applicable for currency conversion records.

About Platts Files

Optional daily and weekend files allow permissioned clients to track and maintain an accurate history of Platts assessments. To receive the daily corrections or weekend file, you must have **Generate Platts Corrections File and Generate Platts Weekend File** selected in your **Preferences**. See Setting Preferences for instructions.

Both the daily corrections and weekend file are provided in comma separated value (csv) format in the style of an **Intraday Pricing** extraction, with a fixed date format to prevent conversion errors when opened in Excel. The files are available for download for 30 calendar days from generation.

Platts Corrections File

The file name uses the format **PlattsCorrectionsyyyymmddhhmmss.csv** to identify the date and time of the corrections file.

Corrections are listed in chronological order with the most recent corrections appearing first. Approximately one-week worth corrections are shown, with the oldest corrections being dropped when new ones are added.

The file is generated each trading day at approximately 01:15 GMT and is available for client download approximately 15 minutes later, around 01:30 GMT.

The file includes the following fields. Note that fields are not subject to the preferred formats selected in the **Preferences** screen. They are output in the following formats:

- Accumulated Volume – N/18.9
- Ask Price – N/12.5
- Assessment Date – DD-MMM
- Bate Code – One-letter code
- Bid Price – N/12.5
- Correction Date – DD-MMM
- Last Price – N/12.5
- Mid Price – N/12.5
- New Assessment – N/5.3
- Old Assessment – N/5.3
- Primary Activity – N/12.5
- RIC – Eight-character code
- Secondary Activity – N/12.5
- Universal Ask Price – N/12.5
- Universal Bid Price – N/12.5

Platts Weekend File

The file uses the format **PlattsWeekendyyyymmddhhmmss.csv** to identify the date and time of the weekend file. It is generated each Monday (excluding holidays) between 23:00-24:00 GMT. Note that the file generation is dependent upon the receipt of Platts prices, so this window is subject to change.

The file contains the following fields. Note that fields are output in the default formats identified in the *Refinitiv DataScope Select Data Content Guide*. Please see the **Intraday Pricing** fields section of the guide for details:

- Accumulated Volume
- Ask Price
- Assessment Frequency Code
- Bid Price
- Currency Code
- Delivery Date
- Energy Terms 1
- Energy Terms 2
- High Yield
- Instrument Long Name
- Instrument Name
- Last Price
- Low Yield
- Mid Price
- Platts Category Code
- Previous Close Date
- Previous Close Price
- Primary Activity
- Primary Activity 2
- Region/Country
- RIC
- Secondary Activity
- Secondary Activity Type
- Settlement Date
- Trade Date
- Units of Measure
- Universal Ask Price
- Universal Bid Ask Date
- Universal Bid Price

8 Searching & Viewing Details

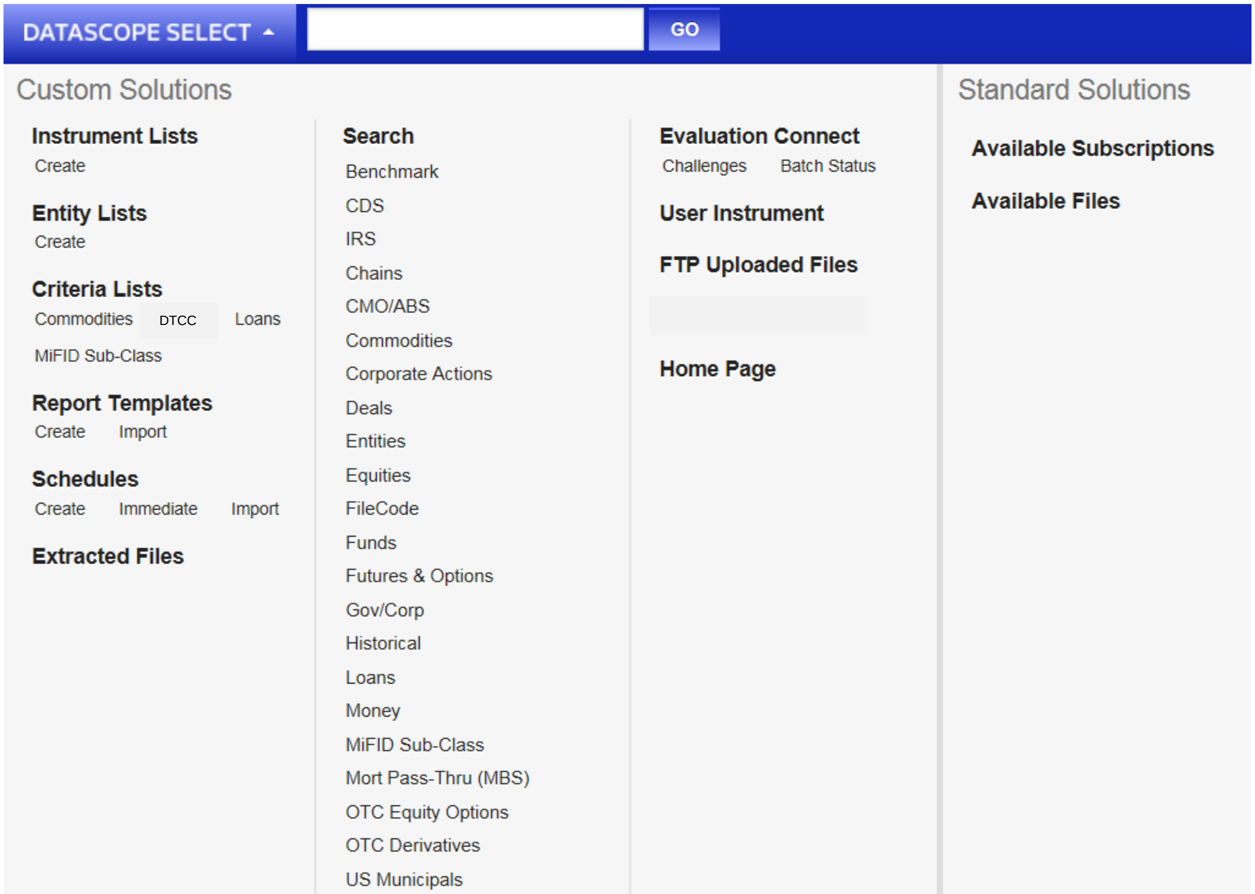
In this Chapter:

This chapter provides instructions for searching and viewing instrument and entity details.

Refinitiv DataScope Select supports both quick identifier-based lookups and comprehensive criteria-based searches. You can view and print the details of any item returned by Search, and then add one or more items to your input lists.

Search Options

Search options are available from the **DataScope Select** menu under **Search**:



Note the following:

- When you click **Search**, the **All** search screen appears. From this screen, you can search across one or more asset classes based on a specified identifier type and identifier.

  Alternatively, you can enter **Search All** in the global search text box, and then click **GO**.

- To perform a criteria-based search based for a specific asset type, click on the asset type. This option enables you to lookup one or more instruments that match your criteria.

  Alternatively, you can enter **Search** and the asset type in the global search text box, and then click **GO**. For example, **Search Entities** or **Search Gov/Corp**.

- Leading asterisks (*) are ignored in wildcard searches (both All Search and Criteria-Based Searches.
- Searches are not supported for Open Access Instruments, ISO 15022 Events or Estimates.
- MiFID Sub-Class searches require permissions. Please contact your local account manager or sales specialist for details. This search type is hidden for non-permissioned clients.
- OTC Derivatives searches require permissions and that the user preference, **Allow Search and Import of OTC Derivatives or Unspecified Instruments with minimal Terms and Conditions Data in the Input List** is selected. This search type is hidden for non-permissioned clients and when the user preference is cleared. Note that OTC Derivatives searches can take longer to execute than other search types.

Performing an All Search

You can use the **All** search screen to perform quick, identifier-based searches across the following asset classes: CMO/ABS, Equities, Futures & Options, Gov/Corp, MBS, Money, US Municipals and Funds.

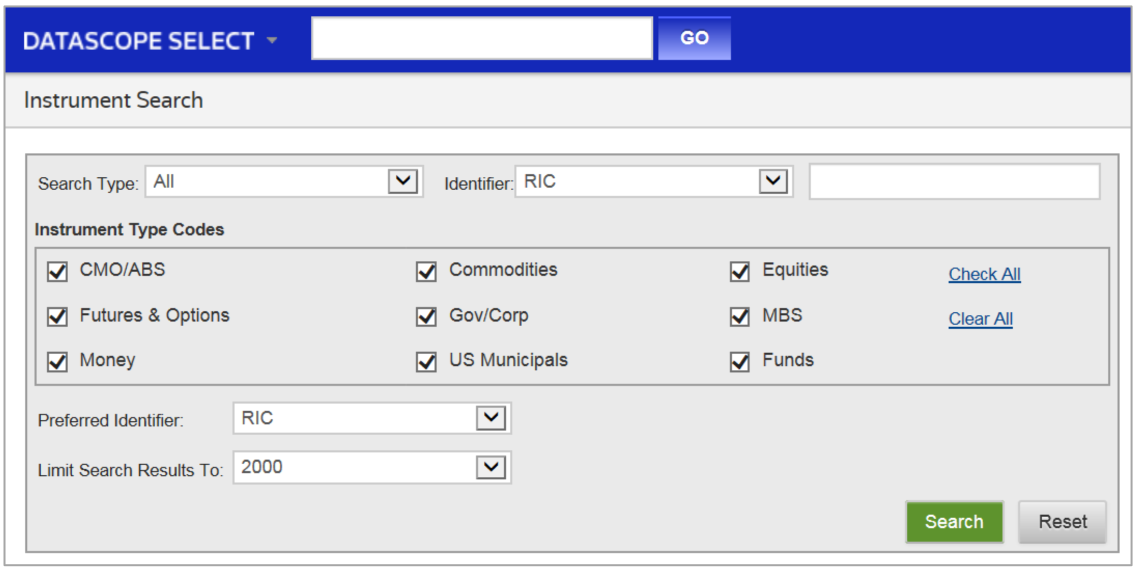
To perform an identifier-based search for entities, see Searching Entity Identifiers & Company Names.

NOTE: The **All** search may not return the same number of instruments that are returned using the global search box, located at the top of the screen. For example, the global search box supports ISINs for Mortgages, while the **All** and **Mort Pass-Thrus (MBS)** search screens do not. These features will be aligned in a future DataScope Select release.

To perform an All search:

1. Click **DataScope Select**, and then select **Search**.

   The screen updates to show the **All** search screen.



2. Clear the check boxes as appropriate to exclude asset classes from your search.

   For example, clear **Equities** to exclude equities/warrants and fair value pricing from your search. Alternatively, use **Check All** and **Clear All** to make your selection.

3. Select an identifier type to search on from the **Identifier** drop-down list.

   Search supports a variety of identifiers types, based on search type, including Perm IDs (PID).

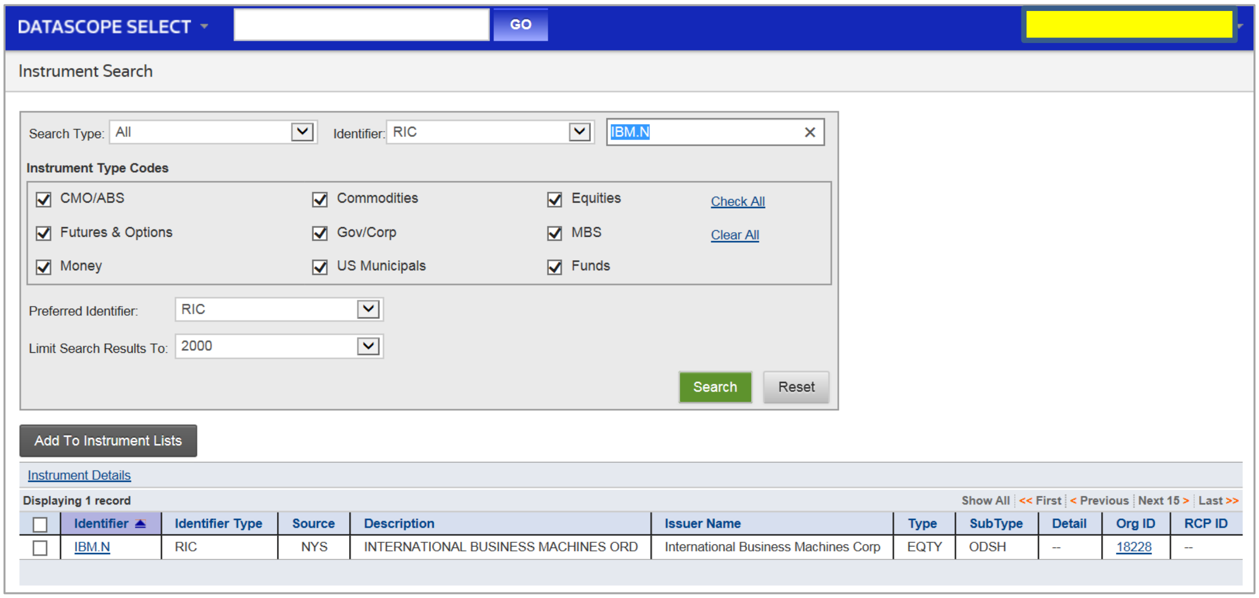
4. Enter the corresponding identifier code in the corresponding box.

   You can enter a complete or partial unique identifier code. An exception is with chains, where the complete identifier is required.

5. Optionally, update the preferred identifier. The identifier type defaults to the preferred identifier type selected in your **Preferences**.

6. Click **Search**.

Search returns all instruments matching your input to the results table.



Note the following:

- Use the **Limit Search Results To** drop-down to limit the number of instruments returned in the search: 1, 10, 50, 500, 1000, 2000 or 5000. The limit you select will be remembered as part of **Recent** searches. When you navigate to another **Search** screen, the default limit returns to 2000.
- Multiple items can be returned for a single identifier when the item has more than one exchange/pricing source.
- If the identifier type does not exist for the items identified in search, then an alternative identifier is used. The alternate identifier follows this hierarchy:
  - RIC
  - CUSIP
  - ISIN
  - Valoren
  - Wertpapier
  - Common Code

For example, if a RIC does not exist for the instrument, then the CUSIP is shown, and so on.

Performing Criteria-Based Searches

You can perform criteria-based searches on a particular asset type. The following asset types are supported: Benchmarks, CDS/IRS, Chains, CMO/ABS, Corporate Actions, Deals, Entities, Equities, File Codes, Funds, Futures & Options, Gov/Corp, Loans, Money, Mortgage Pass Thrus (MBS), OTC Equity Options, and US Municipals.

To perform a criteria-based search for entities, see Searching Entity Identifiers & Company Names.

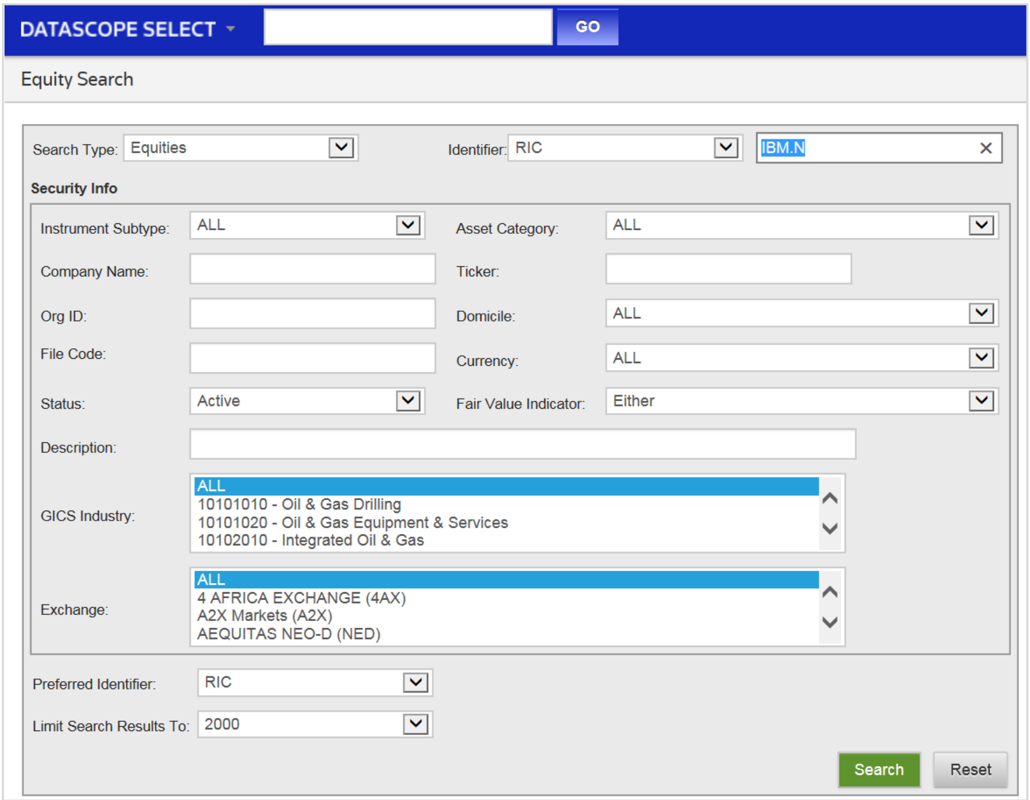
Key Information about Criteria-Based Searches
• You can use **Perm IDs** to search at the instrument, quote and entity level for most asset types. Exceptions are for Benchmarks, CDS, IRS, Chains, Commodities, Corporate Actions, Deals, File Code, Historical, Loans, Money, OTC Equity Options. These individual search screens do not support PermID searches. • Leading asterisks (*) are ignored in wildcard searches. • When searching for **Chain RICs**, you must specify the full RIC identifier. Wildcards and partial text searches are not supported for Chains. • Chains for MSCI, FTSE and Dow Jones indices are not supported in this DataScope Select Release, nor are Benchmark Chains in extractions. • Search capabilities are not supported for Open Access Instruments or ISO 15022 Events. Note that you can search for Chains that contain Open Access constituents; however, you must know the complete identifier for the Chain RIC. • The **Deals** screen contains selections for defining equity offering searches that are not yet implemented and planned for a future DataScope Select release. These selections are the **Equity Options** check box and the **Implemented** and **Withdrawn** selections from the **Status** drop-down lists. In the interim, you should continue to perform equity offering searches from the **Corporate Actions** search screen. • When searching for **Deals** and specifying a RIC, you must enter a primary RIC. Search will not return any deals if you specify a RIC for another exchange on which the instrument trades. • Functionality for searching on secondary RICs will be implemented in a future DataScope Select release. Note that this issue relates to **Deal** searches only. If you include secondary RICs in your input list, you **will** get deals returned in your extraction file. • Support for searching on Rumored Deals is planned for a future DataScope Select release. • Exchanges are listed alphabetically in the **Exchange** drop-down list. Some exchange names are preceded with “The”. If you cannot find an exchange in the list, try looking under “The”. • See Specifying Search Criteria for details on entering criteria.

- **To perform a criteria-based search:**

1. Click **DataScope Select**, and then under **Search**, select the asset type:

   The screen updates to the search screen for the selected asset type.

   For fund searches, see Searching Funds, Commodities & OTC Derivatives.



2. Enter search criteria in the fields provided.

   See Specifying Search Criteria for details.

   To select multiple items in the drop-down lists, press Ctrl while making your selections.

3. Optionally, update the preferred identifier.

   See Performing an All Search for instructions.

4. Click **Search**.

.

Specifying Search Criteria

The following tables identify supported formats for specifying search criteria:

Type	Formats
Numeric	• **Whole Numbers** – 7; 125; 5,000,000 • **Float Numbers** – 7.25; 6.075 • **Conditions** – <10; <=10; >10; >=10 • **Ranges** – 8-9.5; 500-1,200 • **NOT Criteria** – NOT 10 (access all non-10 securities)
Text	• **Exact Word(s)** – IBM; ADVANCED MICRO DEVICES,, INC. (note double comma) **Important!** To search for a specific issuer whose name contains a comma (for example, ADVANCED MICRO DEVICES, INC.), you must enter a double-comma (for example, ADVANCED MICRO DEVICES,, INC.). If you enter a single comma, the search assumes that you are entering a list and will not return any results. • **Lists** – Separated by commas: IBM,MCD,DO (no spaces allowed) **Tip:** You can specify multiple File Codes (IPCs) in Equity and File Code searches. File codes must be separated with a comma. • **Wildcard Matches** – Supports * (asterisk) for wildcards. For example - IB* (match any number of characters) You cannot combine wildcard matches and lists. For example, the search string "A*,B*" will look for a string that contains A followed by any number of characters, followed by [comma]B, followed by any number of characters. The search will not look for all strings that begin with an A or a B. **Note that using a leading asterisk (for example, *A) significantly slows down search performance. As a result, leading asterisks are ignored in searches.** • NOT Criteria – NOT IBM
Dates	• **Exact Date** – 4/13/19; 04/11/2019 4/19; 2019 • **Conditions** – <2019; >2019; <=4/15/19; >=19 • **Ranges** – 02/27/19-04/08/19; 02-19; 2012-2019 • **NOT Criteria** – 02/27/17-04/08/17 NOT 05/01/17 • **FROM/TO** – FROM 02/27/17 TO 04/08/17

Return Consistent Offering Type Only User Preference Reflected in CMO/ABS Searches

CMO identifiers returned in **CMO/ABS** and **All** search results are determined based on a matching offering type code when the Return Consistent Offering Type Only user preference is selected, and the preferred identifier type is other than the searched identifier type.

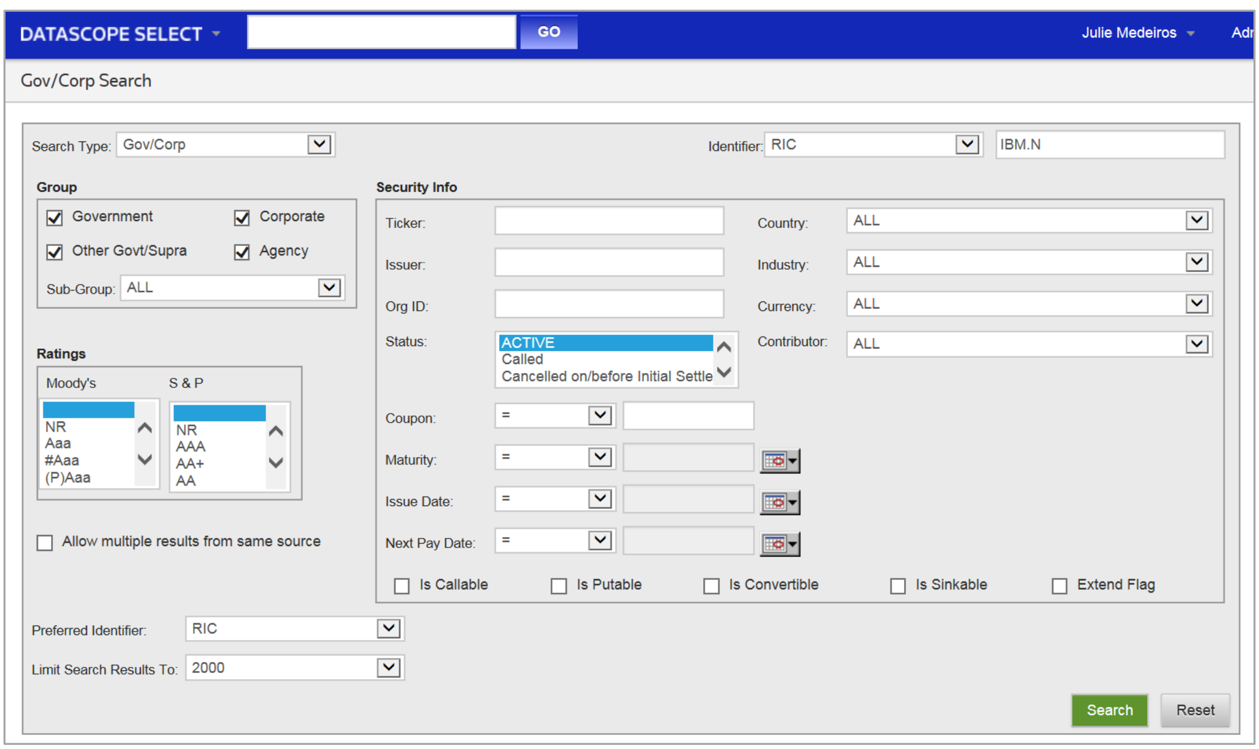
CMO/ABS instruments can have multiple identifiers of the same identifier type (for example, multiple ISINs or SEDOLs) associated with an Asset ID. When the **Return Consistent Offering Type** user preference is cleared, search will return one of these identifiers without considering the matching identifier with the same offering type code.

When the **Return consistent offering type** user preference is also selected, search will return the matching identifier with the same offering type code.

Where the searched identifier type matches your **Preferred Identifier**, the matching instrument will be returned.

Return Multiple Quote for Same Gov/Corp Pricing Source

Gov/Corp searches performed include an **Allow multiple results from same source** option to return multiple quotes from the same price source associated with individual non-RIC identifiers (ISIN, SEDOL, CUSIP, etc.). This option is cleared by default and is enabled only when RIC is selected as the **Preferred Identifier**:



When this box is unchecked, searching for a non-RIC identifier for a selected source will return a single RIC in your search results, if found.

The following example shows the result for searching ISIN ARARGE03H413, sourced from Mae Electronic Exchange (MPE).

Add To Instrument Lists

Instrument Details

Displaying 1 record Show All | << First | < Previous | Next 15 > | Last >>

	Identifier	Identifier Type	Source	Ticker	Issuer Name	Coupon	Maturity	Debt Type	Subtype	S&P Rating	Org ID	RCP ID
	ARAY24DD3=ME	RIC	MPE	ARGV	Argentina	8.75	05/07/2024	Govt/Treasury/Central Bank	Government Notes/Bonds	B+	95738	--

When this box is check, the same search will return all quotes for this ISIN (six in total):

Add To Instrument Lists

Instrument Details

Displaying 1-6 of 6 records Show All | << First | < Previous | Next 15 > | Last >>

	Identifier	Identifier Type	Source	Ticker	Issuer Name	Coupon	Maturity	Debt Type	Subtype	S&P Rating	Org ID	RCP ID
	ARAY24D=ME	RIC	MPE	ARGV	Argentina	8.75	05/07/2024	Govt/Treasury/Central Bank	Government Notes/Bonds	B+	95738	--
	ARAY24D1=ME	RIC	MPE	ARGV	Argentina	8.75	05/07/2024	Govt/Treasury/Central Bank	Government Notes/Bonds	B+	95738	--
	ARAY24D3=ME	RIC	MPE	ARGV	Argentina	8.75	05/07/2024	Govt/Treasury/Central Bank	Government Notes/Bonds	B+	95738	--
	ARAY24DD=ME	RIC	MPE	ARGV	Argentina	8.75	05/07/2024	Govt/Treasury/Central Bank	Government Notes/Bonds	B+	95738	--
	ARAY24DD1=ME	RIC	MPE	ARGV	Argentina	8.75	05/07/2024	Govt/Treasury/Central Bank	Government Notes/Bonds	B+	95738	--
	ARAY24DD3=ME	RIC	MPE	ARGV	Argentina	8.75	05/07/2024	Govt/Treasury/Central Bank	Government Notes/Bonds	B+	95738	--

Searching Entities

Use **Search** to look up entities and fund-level data in the DataScope database. You can search entity identifiers or company names. Advanced searches (criteria-based) are also supported. Search accepts complete and partial input and wildcard. DataScope Select uses your input to identify all matching records.

NOTE: DataScope Select differentiates searches for fund-level and fund shares class data. Use the **Entities** search to search for fund-level data. To search for fund shares class data, use the **Funds** search. You can access the **Funds** search directly from the **DataScope Select** menu.

Searching Entity Identifiers & Company Names

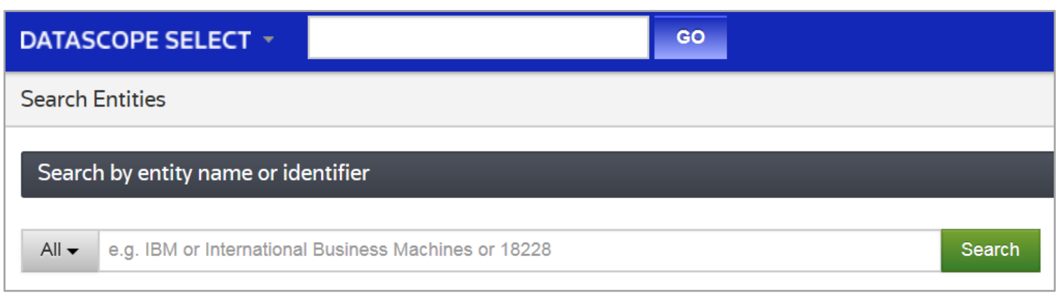
- **To search for entities:**

1. Click **DataScope Select**, and under **Search,** select **Entities**.
2. Click **Add Entities**.

   The screen defaults to a simplified text-entry search (All search) in which you can search by identifier or company name.
3. Enter an identifier or company name in the corresponding box.

   Supported identifiers for entities are Org ID, RCP ID, LEI, CIK, Regulator ID, Tax File ID or Company/Registration Number. You can also enter a Domicile, Country of Incorporation, Derived Parent and Derived Ultimate Parent.

   For funds, supported identifiers are Fund Lipper ID (FLI), ISIN, CUSIP or RIC.

4. Click 

 to display a drop-down with help on entering search criteria.

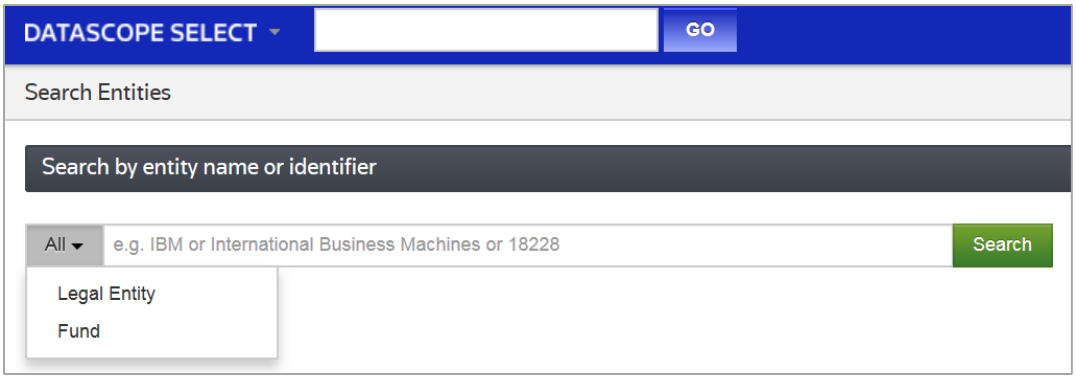
   For best results with simple searches, make sure to do the following:

   - Prefix the Not operator with an asterisk (for example, *NOT IBM).
   - Make sure compound key words are enclosed in quotes (for example, “United States”).

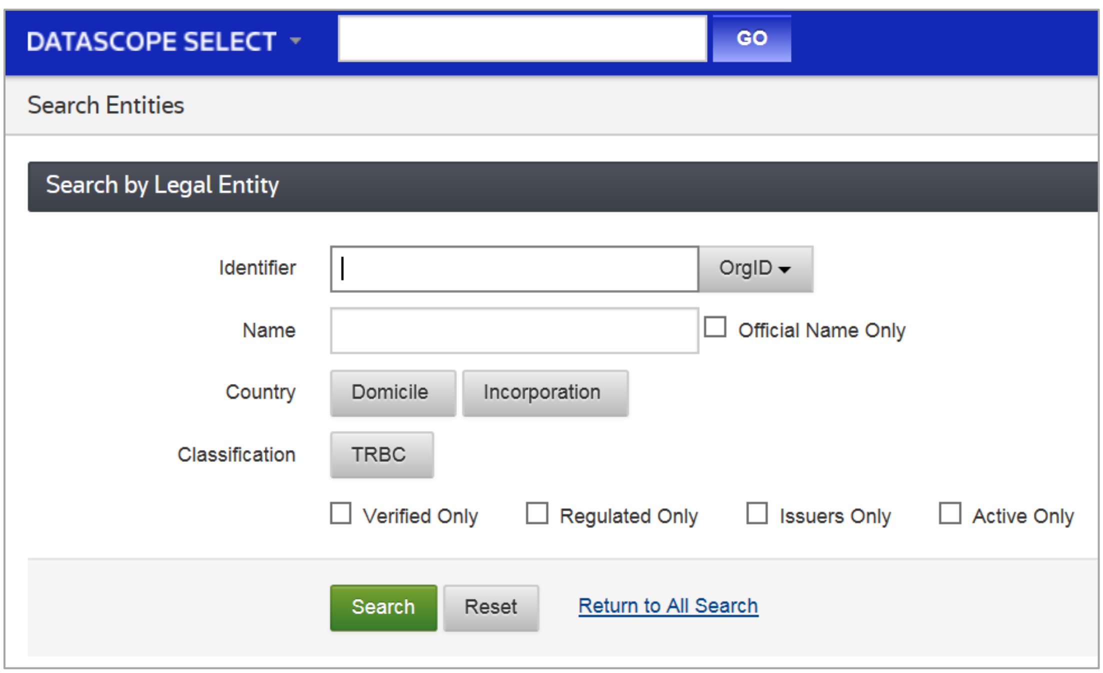
Performing an Advanced Search

- **To perform an advanced search for entities:**

1. Click **DataScope Select**, and under **Search,** select **Entities**.
2. Click **Add Entities**.
3. Click the **All** menu and choose either **Legal Entity** or **Fund**.



4. Go to Step 5 to perform a **Fund** search. To search for legal entities, select **Legal entity** from the **All** menu, and then enter criteria in the following fields.

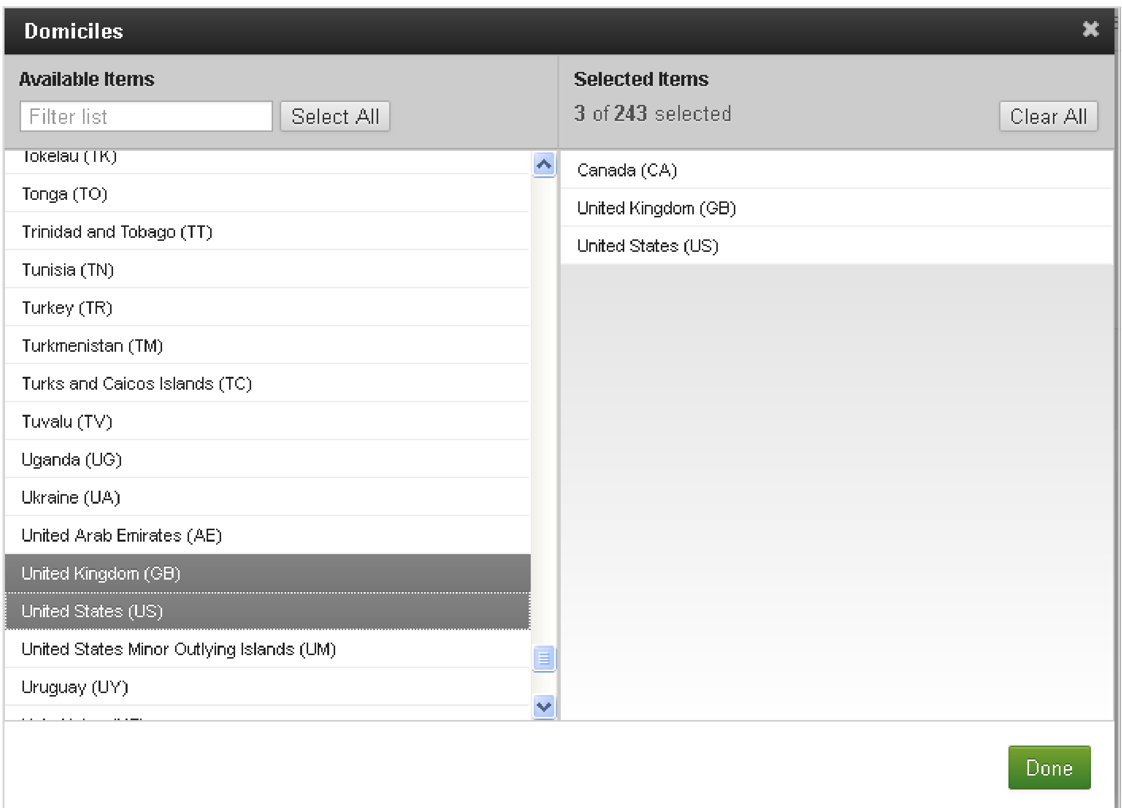


- **Identifier** – Enter the identifier, and then select the corresponding identifier type from the drop-down. Supported identifiers are RCP ID, Org ID, BIC and LEI. Other supported identifiers are CIK, Regulator ID, Tax File ID and Company/Registration Number.
- **Name** – Enter all or part of the entity's name. Select **Official Name Only** to restrict your search to the entity's official name. If you do not select this option, the search will be expanded to include trading name(s) by which the entity is known in the marketplace.

- **Country** – Click **Domicile** to select one or more countries in which the entity is based. This location can differ from the entity's country of incorporation for entities registered in offshore locations or entities that operate in multiple locations. Click **Incorporation** to select the country in which the entity is incorporated.
- **Classification** – Click **TRBC** to select The Refinitiv Business Code for the business of the entity.

NOTE: TRBC codes and descriptions are presented in a hierarchical list representing the different sectors and the length of the associated codes. Supported sector and code lengths are Economic -2, Business -4, Industry Group -6 and Industry - 8.

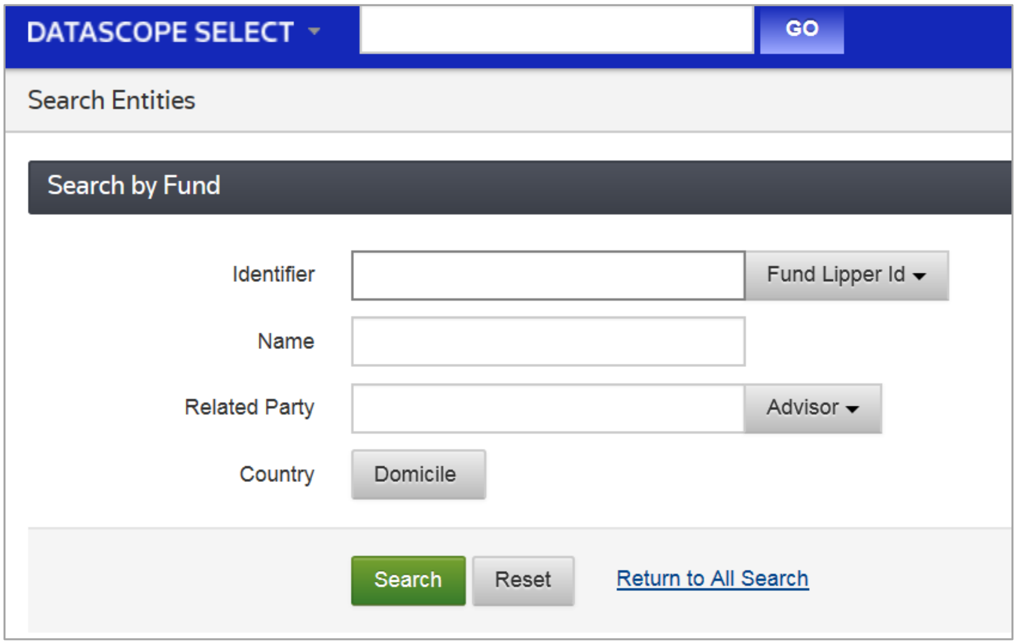
When you click on **Domicile**, **Incorporation** or **TRBC,** a separate window appears listing all of the available items for that option. Click on one or more items to make your selections, and then click **Done**.



When you click **Done**, the button updates to show the number of items selected for this criteria:

- **Verified Only** – Select to return only verified records in the search results.
- **Regulated Only** – Select to constrain your search to return regulated legal entities only. When cleared, both regulated and non-regulated legal entities are returned.
- **Issuers Only** – Select to return only legal entities that are issuers of securities.
- **Active Only** – Select to return active entity records only.

5. To search for funds, select **Fund** from the **All** menu, and the enter criteria in the following fields:



- **Identifier** – Enter the eight-digit code assigned by Lipper to identify the fund. Note that only Fund Lipper IDs are supported for search.
- **Name** – Enter the fund name in full or in part.
- **Related Party** – Select a related party from the drop-down list, and then enter the corresponding name.
- **Administrator** – Fund support company responsible for regular daily operations of a fund, such as maintaining financial records, NAV calculation, data processing, and compliance services. The Administrator may coincide with the fund management company name in case the fund management company appoints no specific administrator.
- **Advisor** – Fund support company responsible for the day-to-day asset management of a fund's portfolio of investments. The Advisor may coincide with the fund management company name in case the fund management company appoints no specific advisor.
- **Auditor** – Company that provides an annual professional examination of a company's accounting records and supporting data for the purpose of issuing an opinion regarding fairness and conformity with accepted accounting principles. Also known as an Independent Registered Public Accounting Firm.
- **Custodian** – Fund support company, typically a bank or trust company, responsible for the holding and safekeeping of a fund's securities. In most jurisdictions, this company needs to be registered as a Bank with the local regulator.
- **Distributor** – Fund support company responsible for facilitating the distribution and sale of a fund's shares, sometimes known as underwriter, which may sell shares directly to investors and act as a wholesaler of the shares to broker-dealers and other financial intermediaries. It may also provide marketing, sales materials and support. All U.S. open-end mutual funds are required to have a distributor. Distribution services for non-U.S. open-end mutual funds may be provided by different fund support companies.

- **Fund Manager** – Fund support company responsible for managing all legal and financial aspects of the fund and appointing the advisor, administrator, custodian, and other support companies. This company acts in the role of investment advisor or other support companies if not separately appointed.
- **Sub Advisor** – Fund support company hired by the Fund Management Company or Investment Advisor to support the fund's day-to-day asset management. The Sub Advisor may or may not be affiliated with the Investment Advisor and may manage some or all of a fund's assets.
- **Country** – The country or countries in which the fund invests.

6. Click **Search**.

   Your search results are returned to the table at the bottom of the screen. When you do an **All** search, each entity returned is identified by its **Identifier** (OrgID for legal entities and Fund Lipper ID for funds) and **Official Name**. The entity is also identified as a **Legal Entity** or **Fund**.

   Descriptive information about each item returned by search appears in the table at the bottom of the screen. From here, you can select an item and view related details, print item details, and add items to one or more selected input lists.

Key Information about Search Results

All items matching your input appear in the results table. The symbol – appearing in any search results column indicates that data was not available for that item. Additionally, note the following:

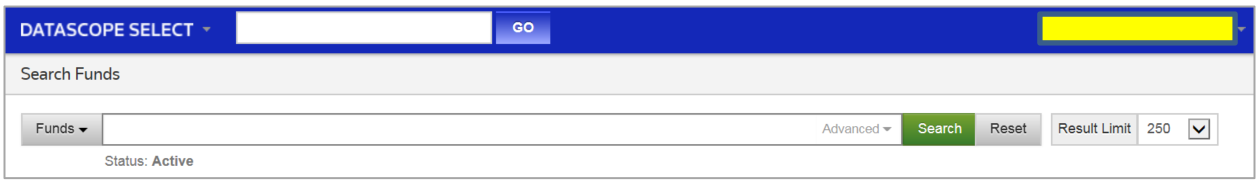
- The **Source/Exchange** column can show these results:
  - **N/P** – Denotes an instrument without a price
  - **N/E** – Denotes an instrument without an exchange
- **Deal** searches can return these results:
  - When the Target Company is known (e.g., public), but the Acquirer Company is undisclosed (e.g., private), **Search** identifies the deal parties in both the **Target Name** and **Acquirer Name** columns, as well as the Target Company's RIC identifier in the **Target RIC** column. Because the Acquirer Company is private, the **Acquirer RIC** column shows **–** instead of an actual RIC.
  - In other instances, the RIC for the Target Company likely delists upon consolidation. In this case, the **Target RIC** column will be blank, and the **Acquirer RIC** column will be populated.
- **Chain RICs** can return an error message when:
  - The Chain is not permitted (e.g., the Chain is found, but not available in DataScope Select)
  - The RIC is not a Chain
- Automatic conversions are done for CUSIPs, ISINs, and SEDOLs (both London Stock Exchange (LSE) and Irish Stock Exchange (ISE) SEDOLs) when the last digit of the identifier is missing or incorrect. In this case, DataScope Select will identify the correct identifier and replace it in the instrument list.

Searching Funds, Commodities & OTC Derivatives

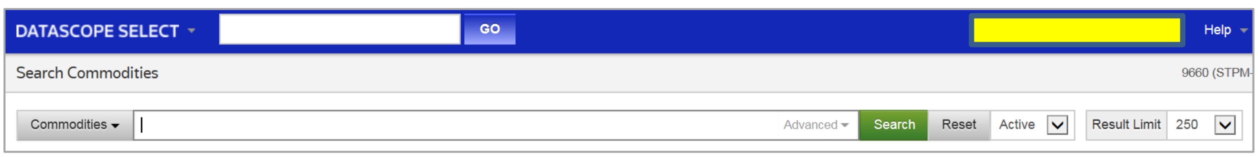
The **Funds** and **Commodities** search screens follow as the **Entities** search. This more intuitive format will be adopted for other search types in future DataScope Select releases.

Default Search

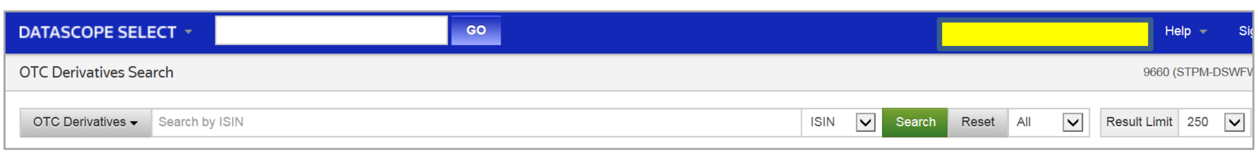
The **Funds** search screen defaults to a text box from where you can lookup active funds using a supported fund share class identifier (RIC, CUSIP, ISIN, Sedol, Valoren, Wertpapier or LipperID) or fund name, administrator or manager. Note that Boolean operators (AND, OR and NOT) and wildcard searches using the asterisk (*) are also supported.



The **Commodities** search screen defaults to a keyword search, where you can enter an identifier (RIC, Chain or File Code), description or other identifying text. For example, D-AI00266, 6254, AISI Steel Carbon, Metal, etc.



You can search for an **OTC Derivative** using a valid ISIN. Note that you must enter the complete identifier. Partial identifiers will not return search results.



Advanced Search

To perform a criteria based search, click **Advanced▼**. This screen follows the same general instructions for entering criteria as described in Searching CMO/ABS & Gov/Corp

Viewing Recent Searches

This option appears in the menu bar after you view the details of an instrument or an entity from **Search** or an input list. Clicking **Recent** reveals a drop down, showing the most recently viewed items for your current DataScope Select session.

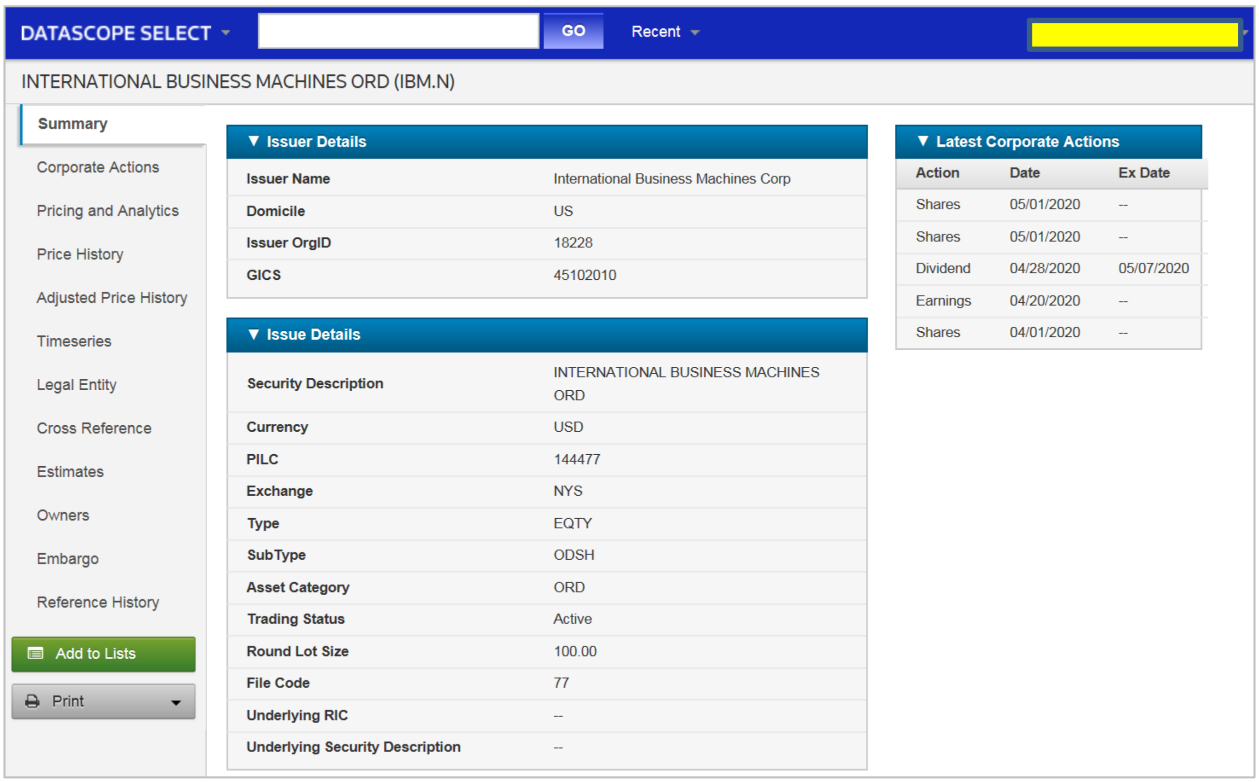
Up to 15 instruments or legal entities can appear in the list. Items appear in the order in which they were viewed, with the most recently viewed item appearing first. Click on the identifier to go directly to the **Details** screen for that instrument or entity. The menu is cleared when you sign out of your DataScope Select session.

Viewing Details

You can view the details of any selected item returned by **Search** or imported into an input list in **Details**. The screen includes links to other screens that show details, valuations pricing, and cross-reference information for the selected item. Other screens, such as corporate actions, ratings, and prepayment terms, appear for the appropriate instrument type or entity.

To view details, select the identifier to view by either clicking on the identifier link or clicking on the check box next to the identifier, and then selecting **Instrument Details**. For legal entities, click on the **OrgID**, **Derived Parent** or **Derived Ultimate Parent** links.

By default, the **Summary** screen appears with the other available screens. Click on the links to navigate the screens. Note that blank fields or screens indicate that no data exists or you are not permissioned for the data.



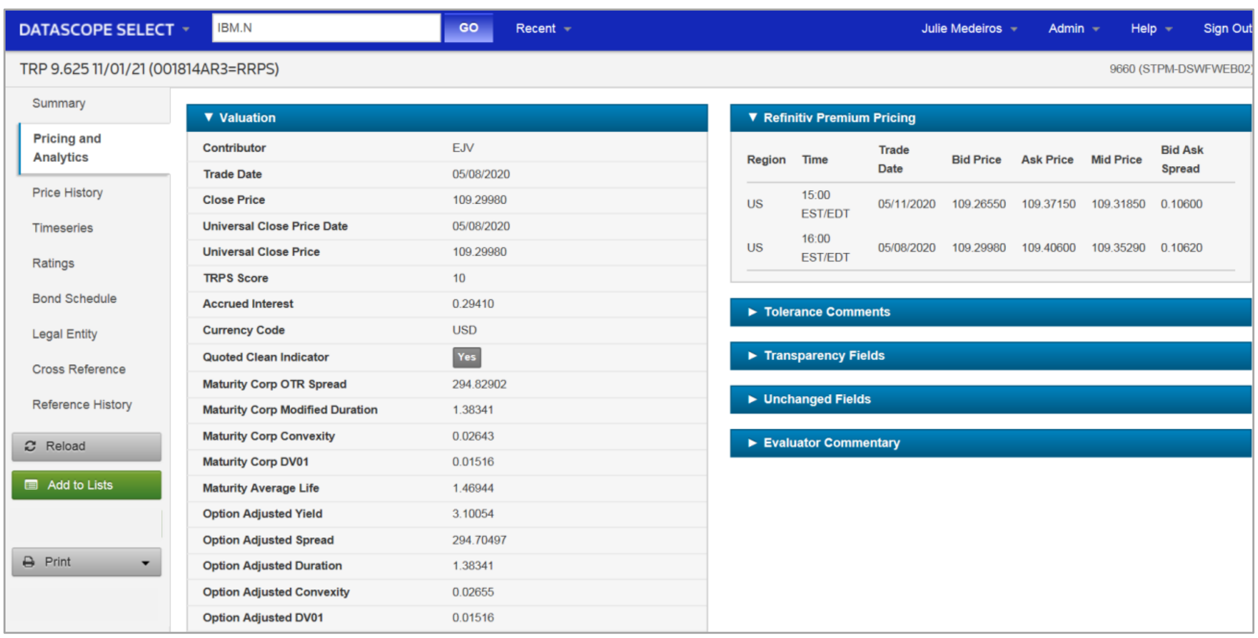
Below the list of available screens are the functions that you can perform for the selected item, for example **Add to List** and **Print**. **Add to List** allows you to add the item to one or more input lists; while **Print** lets you print the details of the selected screen or print all **Details** screens. Additional functions can appear, depending on the selected item and screen. For example, for a Refinitiv evaluated instrument, a **Submit Challenge** function appears when you select the **Pricing and Analytics** screen. When the selected item is an entity, a **Rent Entity** button appears for entities that are not currently rented by you or your company.

Viewing Refinitiv Evaluated Premium Prices

Asia, EMEA, and U.S. premium prices are available from the **Pricing and Analytics** tab for government/corporate, CMO/ABS and MBS instruments. The tab shows the instrument's most recent premium prices evaluated by Refinitiv Evaluated Pricing Service Pricing information includes the premium pricing region (ASIA, EMEA or US) and pricing cycle, along with bid, ask, and mid prices and bid ask spread. Prices are formatted to three decimal precision.

Today's premium prices for the indicated region and pricing cycle are available each trading day approximately 45 minutes after the pricing snapshot (for example, US 3 and 4 p.m. premium prices are available at approximately 3:45 and 4:45 p.m. EST/EDT, respectively). Prior to these times, the previous day's (or most recent) price is shown. Use the **Trade Date** column to track this information. Trade date is shown in the date format specified in your Preferences. Always review the **Trade Date** to ensure you are viewing today's prices. Click **Reload Prices** to ensure the most recent prices are shown.

This tab also shows tolerance comments for Refinitiv evaluated prices in all regions. Comments apply to the first pricing cycle and are carried over to the later cycles. Refinitiv Evaluated Pricing Service provides tolerance comments on government/corporate instruments in all regions. For the US region only, tolerance comments are also reported for CMO and a subset of MBS instruments. This enables you to view pricing information at the portfolio-level, alongside other key premium pricing fields. Comments, if reported, are available as of the pricing cycle time (for example, US 3 PM); otherwise - - appears in this section to indicate that no comments were reported. Tolerance comments remain in this screen until they are cleared for the next trading day.



Viewing FIGS Prices

When **Show Fixed Income Global Snapshot (FIGS) Prices on Pricing and Analytics screen** is selected in your user preferences, [FIGS prices](#) for the selected instrument will appear in the **Pricing and Analytics** tab of the **Details** screen. FIGS prices are hidden when this option is cleared.

Viewing Structured Note Evaluations

Access to Refinitiv evaluated structured notes pricing in DataScope Select requires permissioning. Because of the complex nature of these products, additional fees may be required.

Clients who want to receive structured note evaluations should contact a Refinitiv Evaluated Pricing Service Specialist. For non-permissioned clients, structured note evaluations will appear on-screen or be output in extractions. The extraction notes file will indicate that the content is suppressed due to lack of permissioning. Permissions are not required for structured notes with a contributed price.

Note that there are three separate permissions for **Derivatives and Structured Notes Tiers**, representing the individual groupings. A separate **Refinitiv Evaluated Pricing Service + for Derivatives and Structured Notes** permission also appears for viewing the underlying transparency of the selected structured note.

Full transparency into the underlying pricing methodology of structured note evaluations is available for permissioned clients via the **TRPS+** link on the **Pricing and Analytics** screen. The link, visible only for clients who have the **Refinitiv Evaluated Pricing Service+ for Derivative and Structured Notes** permission, is located in the **Valuation** section next to the **Close Price**.

Clicking **TRPS+** launches a window that provides detailed transparency into the evaluated price and methodology used to price derivatives and structured notes, and for running different pricing scenarios.

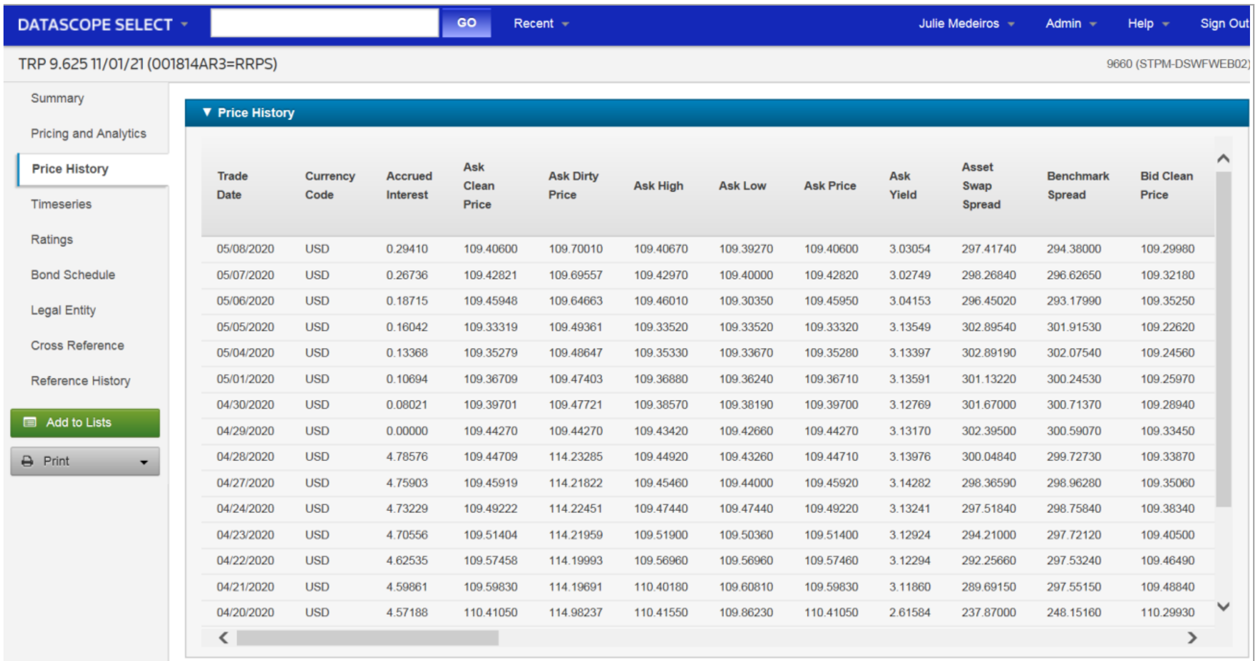
Viewing Historical Prices

The **Price History** tab updates dynamically with all available unadjusted prices for the selected instrument for the indicated trading date when a non-null value exists for at least one of the following fields:

Fields Populating the Price History Tab
Alternate Close Price
Ask Price
Benchmark Spread
Bid Price
Close Price
Mid Price
Net Asset Value
Offer Price
Settlement Price
Universal Close Price
Trade Price1

Null values, with some exceptions described below, are excluded. **Trade Date** and **Currency Code** are hard-coded and appear in the first two columns, followed by all populated pricing, presented in alphabetical order.

Up to 30 days of price history are shown. Weekends are excluded; holidays are shown:



Trade Date	Currency Code	Accrued Interest	Ask Clean Price	Ask Dirty Price	Ask High	Ask Low	Ask Price	Ask Yield	Asset Swap Spread	Benchmark Spread	Bid Clean Price
05/08/2020	USD	0.29410	109.40600	109.70010	109.40670	109.39270	109.40600	3.03054	297.41740	294.38000	109.29980
05/07/2020	USD	0.26736	109.42821	109.69557	109.42970	109.40000	109.42820	3.02749	298.26840	296.62650	109.32180
05/06/2020	USD	0.18715	109.45948	109.64663	109.46010	109.30350	109.45950	3.04153	296.45020	293.17990	109.35250
05/05/2020	USD	0.16042	109.33319	109.49361	109.33520	109.33520	109.33320	3.13549	302.89540	301.91530	109.22620
05/04/2020	USD	0.13368	109.35279	109.48647	109.35330	109.33670	109.35280	3.13397	302.89190	302.07540	109.24560
05/01/2020	USD	0.10694	109.36709	109.47403	109.36880	109.36240	109.36710	3.13591	301.13220	300.24530	109.25970
04/30/2020	USD	0.08021	109.39701	109.47721	109.38570	109.38190	109.39700	3.12769	301.67000	300.71370	109.28940
04/29/2020	USD	0.00000	109.44270	109.44270	109.43420	109.42660	109.44270	3.13170	302.39500	300.59070	109.33450
04/28/2020	USD	4.78576	109.44709	114.23285	109.44920	109.43260	109.44710	3.13976	300.04840	299.72730	109.33870
04/27/2020	USD	4.75903	109.45919	114.21822	109.45460	109.44000	109.45920	3.14282	298.36590	298.96280	109.35060
04/24/2020	USD	4.73229	109.49222	114.22451	109.47440	109.47440	109.49220	3.13241	297.51840	298.75840	109.38340
04/23/2020	USD	4.70556	109.51404	114.21959	109.51900	109.50360	109.51400	3.12924	294.21000	297.72120	109.40500
04/22/2020	USD	4.62535	109.57458	114.19993	109.56960	109.56960	109.57460	3.12294	292.25660	297.53240	109.46490
04/21/2020	USD	4.59861	109.59830	114.19691	110.40180	109.60810	109.59830	3.11860	289.69150	297.55150	109.48840
04/20/2020	USD	4.57188	110.41050	114.98237	110.41550	109.86230	110.41050	2.61584	237.87000	248.15160	110.29930

For money, derivatives and equity instruments, adjusted prices are also shown on a new **Adjusted Price History** tab.

No recent pricing to display appears when prices have not been provided for the past 30 days or when you are not permissioned for the selected instrument.

In order to provide distinction between these two scenarios, a separate message indicating non-permissioned instruments will be added in a future DataScope Select release. In the interim, **No recent pricing to display** will represent both scenarios.

In all other instances, all fields should populate with the following exceptions:

- **Mid Price** retrieved from the **Price History** report will be available only if the value is available from the source.
- Any price, positive or negative, with only zeroes in the first five displayed digits will be suppressed and a dash will appear instead. All other values will be shown. This is applicable to only fields that include **Price** in the field name. Values that do not include **Price** in the field name (for example, **Asia Close**) will be shown.
- Field formats on the **Price History** tabs can differ. Due to the implementation of dynamically updating fields, field formats are not hard coded in the **Price History** tab.

9 Understanding Usage Reports

In this Chapter:

Extraction usage tracks the number of instrument or entity extractions performed for a specified time period. You can view this information at the user or company level. The rental usage screens show the number of extractions with rental data for a specified time period reported at the company level.

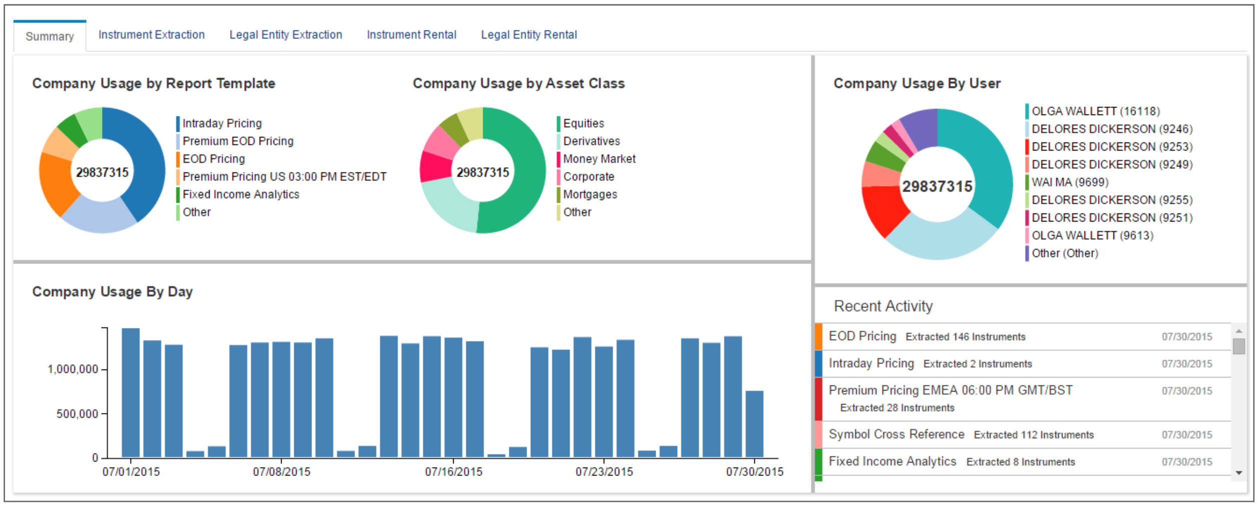
Important!

You will continue to be billed for rental data until you cancel your rental agreement via a formal written submission process. This means if you request rental data for 100 instruments in one month but none in the subsequent month, your subsequent month's bill will still reflect 100 since you are still renting the data. Contact your local account manager or sales specialist for more information.

Viewing Usage Summary

The **Summary** screen provides graphical views of your company-level instrument extraction usage for the last 30 days grouped by, report template, asset class, users in your company and daily usage.

The **Recent Activity** stream shows the last 30 days of activity or last 30 extractions. You can hover the mouse over any part of the pie or bar charts to view the specific usage amount for that portion of the chart. Usage updates each time you refresh the screen.

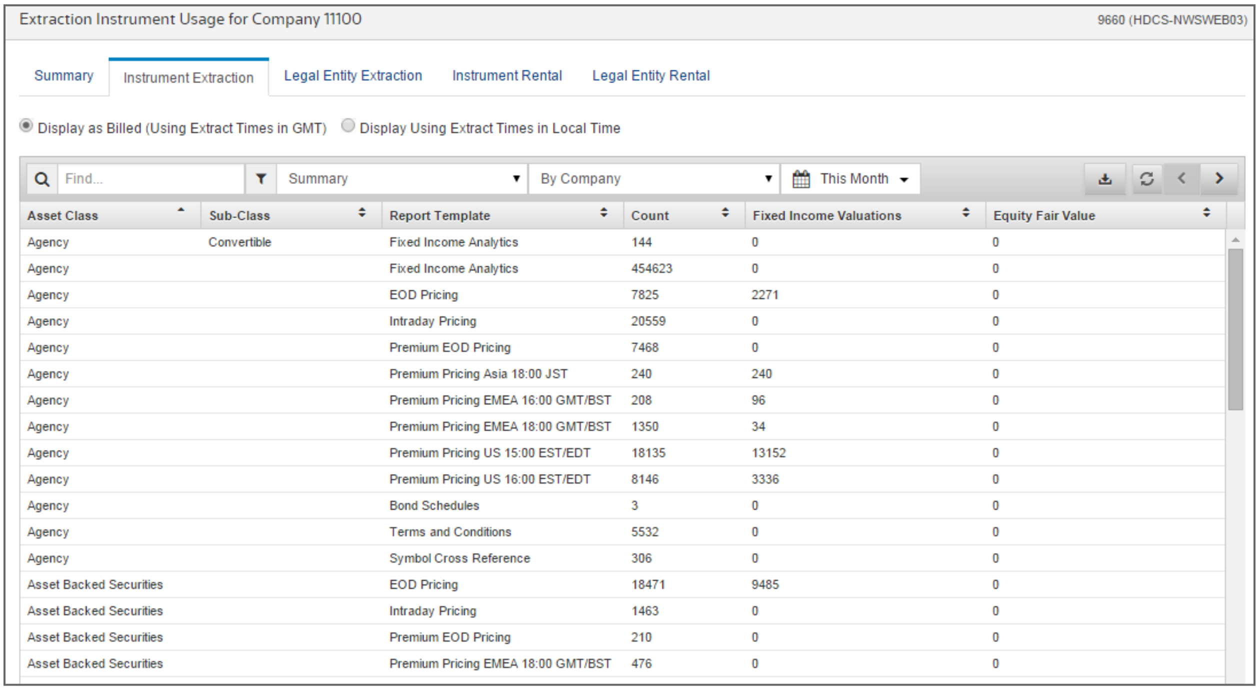


NOTE: The **Summary** screen shows usage for instrument extractions only. Entity activity is not shown. Use the **Legal Entity Extraction** and **Legal Entity Rental** links at the top of the screen to view entity usage.

To access the **Summary** screen, click **Usage** under your username. You can navigate to the **Instrument Extraction**, **Legal Entity Extraction**, **Instrument Rental** and **Legal Entity Rental** screens using the links at the top of the screen.

About the Extraction & Rental Usage Screens

The instrument/legal entity extraction and rental screens share an identical format for viewing usage as defined in the following table:



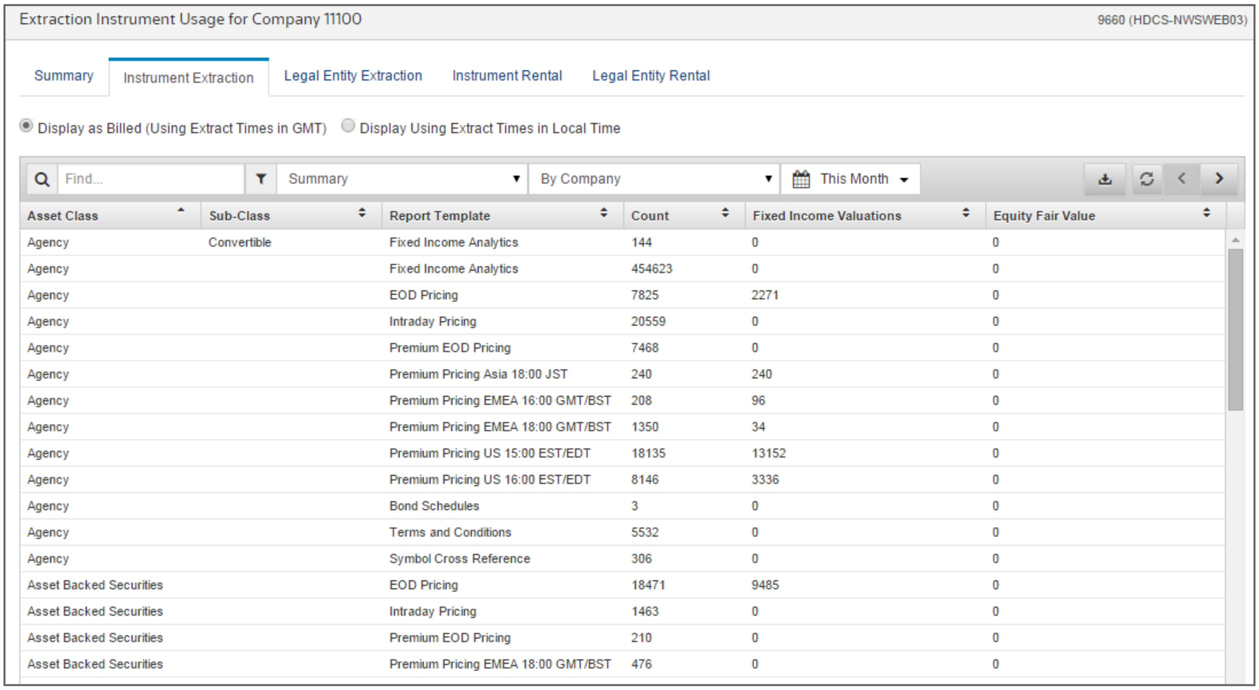
Asset Class	Sub-Class	Report Template	Count	Fixed Income Valuations	Equity Fair Value
Agency	Convertible	Fixed Income Analytics	144	0	0
Agency		Fixed Income Analytics	454623	0	0
Agency		EOD Pricing	7825	2271	0
Agency		Intraday Pricing	20559	0	0
Agency		Premium EOD Pricing	7468	0	0
Agency		Premium Pricing Asia 18:00 JST	240	240	0
Agency		Premium Pricing EMEA 16:00 GMT/BST	208	96	0
Agency		Premium Pricing EMEA 18:00 GMT/BST	1350	34	0
Agency		Premium Pricing US 15:00 EST/EDT	18135	13152	0
Agency		Premium Pricing US 16:00 EST/EDT	8146	3336	0
Agency		Bond Schedules	3	0	0
Agency		Terms and Conditions	5532	0	0
Agency		Symbol Cross Reference	306	0	0
Asset Backed Securities		EOD Pricing	18471	9485	0
Asset Backed Securities		Intraday Pricing	1463	0	0
Asset Backed Securities		Premium EOD Pricing	210	0	0
Asset Backed Securities		Premium Pricing EMEA 18:00 GMT/BST	476	0	0

- **Displayed As Billed (Using Extract Times in GMT) & Display Using Extract Times in Local Time** - Use the radio buttons to display usage as billed in GMT or in the local time zone specified in your user preferences.
- **Find** - Use this box to search the contents of the table displaying your extraction usage. When you enter text, only the items matching that text appear.
- **View** - Use this drop down to select a view for displaying usage. Data can be viewed in summary or detail format.
- **Usage Level** - Use this drop-down to display usage at the user or company level for a specified time period.
- **Usage Period** - Use this drop-down to specify the time period for viewing usage. You can view usage for this month (default), the last month or for a custom date range.
- Use to export the grid and all of its contents to a comma separate value (csv) formatted file. The file takes the name of the selected screen.
- Use to refresh the screen.

Viewing Instrument Extraction Usage

The **Instrument Extraction** screen shows your billable items for the current month, the previous month or for a specified date or date range. You can view your usage or usage at the company level

Data can be viewed as billed (extraction time in GMT) or using the local time zone specified in your **Preferences**. Use the boxes at the top of the screen to find specific usage, select a view for displaying usage (**Summary**, **Detail By Date**, **Full Detail** or **Detail By User)** and to specify the period for viewing data.



Asset Class	Sub-Class	Report Template	Count	Fixed Income Valuations	Equity Fair Value
Agency	Convertible	Fixed Income Analytics	144	0	0
Agency		Fixed Income Analytics	454623	0	0
Agency		EOD Pricing	7825	2271	0
Agency		Intraday Pricing	20559	0	0
Agency		Premium EOD Pricing	7468	0	0
Agency		Premium Pricing Asia 18:00 JST	240	240	0
Agency		Premium Pricing EMEA 16:00 GMT/BST	208	96	0
Agency		Premium Pricing EMEA 18:00 GMT/BST	1350	34	0
Agency		Premium Pricing US 15:00 EST/EDT	18135	13152	0
Agency		Premium Pricing US 16:00 EST/EDT	8146	3336	0
Agency		Bond Schedules	3	0	0
Agency		Terms and Conditions	5532	0	0
Agency		Symbol Cross Reference	306	0	0
Asset Backed Securities		EOD Pricing	18471	9485	0
Asset Backed Securities		Intraday Pricing	1463	0	0
Asset Backed Securities		Premium EOD Pricing	210	0	0
Asset Backed Securities		Premium Pricing EMEA 18:00 GMT/BST	476	0	0

The **Full Details** view contains the following items:

- **Extract Date** – Identifies the extraction execution date, displayed in the format specified in your **Preferences**.
- **User** – Shows the users tied to the indicated extraction when viewing usage at the company level.
- **Asset Class** – Identifies instruments by asset class for which you have accessed data for the indicated period. Note that Open Access instruments are identified as **Non-DSS Security Type**.
- **Sub-Class** – Identifies the asset sub classification type for the indicated asset class. For example: Convertible, High Yield, Investment Grade, Loans, Open Access Instruments, etc. For Platts Market Data, Platts, along with the code for the specific package is shown.
- **Report Template** – Identifies the report type used to extract data for the indicated asset class, as well as API usage.
- **List** – Identifies the instrument list used in the extraction.
- **Report** – Identifies the report template used in the extraction.

- **Count** – Identifies the total number of instruments used for the indicated period. If no data is returned for any item in your extraction, then that instrument is not included in the item count. An exception is with **Corporate Actions** reports. All instruments are counted regardless of data is returned. Note that for intermediate embargoed reports for **Intraday Pricing** extractions, instruments are counted only once and not each time an intermediate report is delivered.
- **Fixed Income Valuations** – Identifies the total number of instruments by asset class for which fixed income valuations (e.g., Premium Data) was extracted for the indicated period.

  This value is determined by totaling the number of instruments for which at least one premium data field was extracted. The value does not reflect the total number of fixed income premium pricing fields.

  For example, say you ran only one extraction to date for the current month. In that extraction, you have 10 US Treasury instruments and two fixed income premium pricing fields. Your extracted output file shows data for eight instruments only. For the other two instruments, no data is returned (the two rows are entirely empty). When you look at your extraction usage for the current month, the **Fixed Income Valuations** column will show **8** for the **Govt/Treasury/Central Bank** row.
- **Equity Fair Value** – Identifies the total number of instruments by asset class for which equity fair value content (e.g., Premium Data) was extracted for the indicated period.

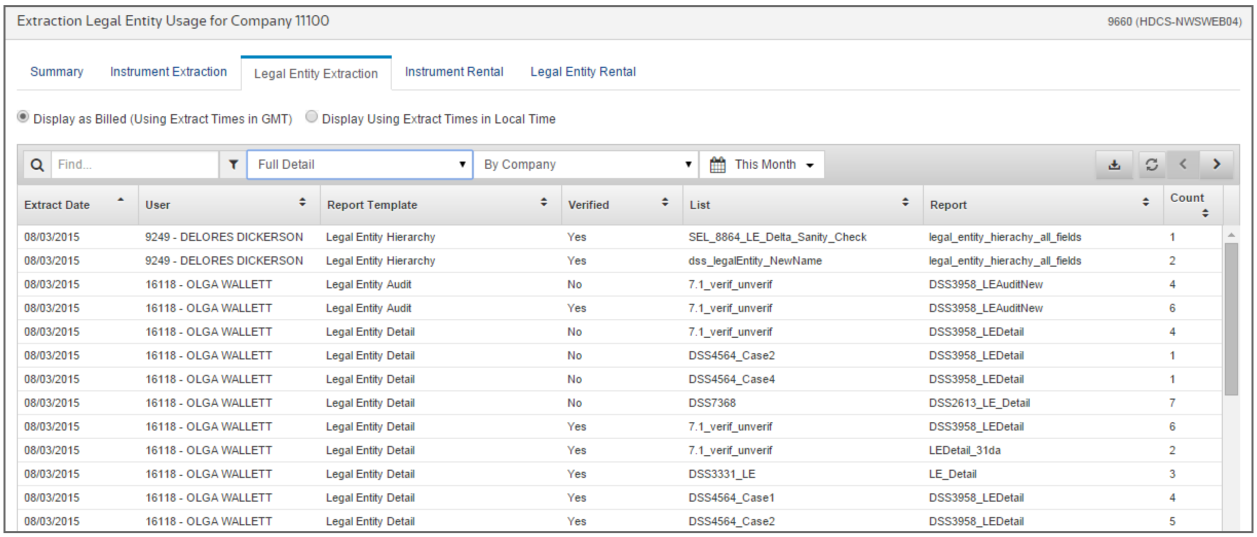
  This value is determined by totaling the number of instruments for which at least one premium data field was extracted. The value does not reflect the total number of equity fair value fields (see the example above).

NOTE: The number of instruments displayed in the **Fixed Income Valuations** and **Equity Fair Value** columns is inclusive of the total number of instruments shown in the **Instrument Count** column.

Viewing Legal Entity Extraction Usage

Entity extraction usage can be viewed at the user or company level. The screen shows your billable items for the current month, the previous two months or for a specified date or date range. Data can be viewed as billed (extraction time in GMT) or using the local time zone specified in your **Preferences**. Use the buttons to display details: **Summary**, **Detail By Date**, **Detail By User** and **Full Detail**.

In the following example, entity extraction usage is shown at the company level with full details for the current month:



Extract Date	User	Report Template	Verified	List	Report	Count
08/03/2015	9249 - DELORES DICKERSON	Legal Entity Hierarchy	Yes	SEL_8864_LE_Delta_Sanity_Check	legal_entity_hierachy_all_fields	1
08/03/2015	9249 - DELORES DICKERSON	Legal Entity Hierarchy	Yes	dss_legalEntity_NewName	legal_entity_hierachy_all_fields	2
08/03/2015	16118 - OLGA WALLETT	Legal Entity Audit	No	7.1_verif_unverif	DSS3958_LEAuditNew	4
08/03/2015	16118 - OLGA WALLETT	Legal Entity Audit	Yes	7.1_verif_unverif	DSS3958_LEAuditNew	6
08/03/2015	16118 - OLGA WALLETT	Legal Entity Detail	No	7.1_verif_unverif	DSS3958_LEDetail	4
08/03/2015	16118 - OLGA WALLETT	Legal Entity Detail	No	DSS4564_Case2	DSS3958_LEDetail	1
08/03/2015	16118 - OLGA WALLETT	Legal Entity Detail	No	DSS4564_Case4	DSS3958_LEDetail	1
08/03/2015	16118 - OLGA WALLETT	Legal Entity Detail	No	DSS7368	DSS2613_LE_Detail	7
08/03/2015	16118 - OLGA WALLETT	Legal Entity Detail	Yes	7.1_verif_unverif	DSS3958_LEDetail	6
08/03/2015	16118 - OLGA WALLETT	Legal Entity Detail	Yes	7.1_verif_unverif	LEDetail_31da	2
08/03/2015	16118 - OLGA WALLETT	Legal Entity Detail	Yes	DSS3331_LE	LE_Detail	3
08/03/2015	16118 - OLGA WALLETT	Legal Entity Detail	Yes	DSS4564_Case1	DSS3958_LEDetail	4
08/03/2015	16118 - OLGA WALLETT	Legal Entity Detail	Yes	DSS4564_Case2	DSS3958_LEDetail	5

The **Full Details** view contains the following items:

- **Extract Date** – Identifies the extraction execution date in the format specified in your preferences.
- **User** – Shows the users tied to the indicated extraction when viewing usage at the company level.
- **Report Template** – Identifies the report type used to extract data.
- **Verified** – Displays **Yes** or **No** to indicate whether the record is verified.
- **List** – Identifies the entity list used in the extraction.
- **Report** – Identifies the report template used in the extraction.
- **Count** – Identifies the total number of entities and funds used for the indicated period. If no data is returned for an entity, that item is not included in the item count.

NOTE: Rental charges are applied to inactive instruments used in **Price History** extractions.

Viewing Instrument Rental Usage

Bond Schedules, Commodities Correction History, Composite, historical Corporate Actions (excluding IPO Events), Fund Allocation, Ownership – Owners, Price History (excluding Single Price History), Ratings, StarMine, Symbol Cross Reference and Terms and Conditions, are considered "rental data." Rental usage is reported at the company level.

You can view current rental usage, usage for a specified date range (cumulative rental usage as of the specified date) and new items added over a specified date range across three tabs: **Current**, **As Of Date** and **New During Period**. Dates are displayed in the format selected in **Preferences**. Use the buttons to display rental details: **Summary**, **Detail By Date** and **Full Detail**. Make sure to click **Go** to display rental data.

The full details view contains the following items:

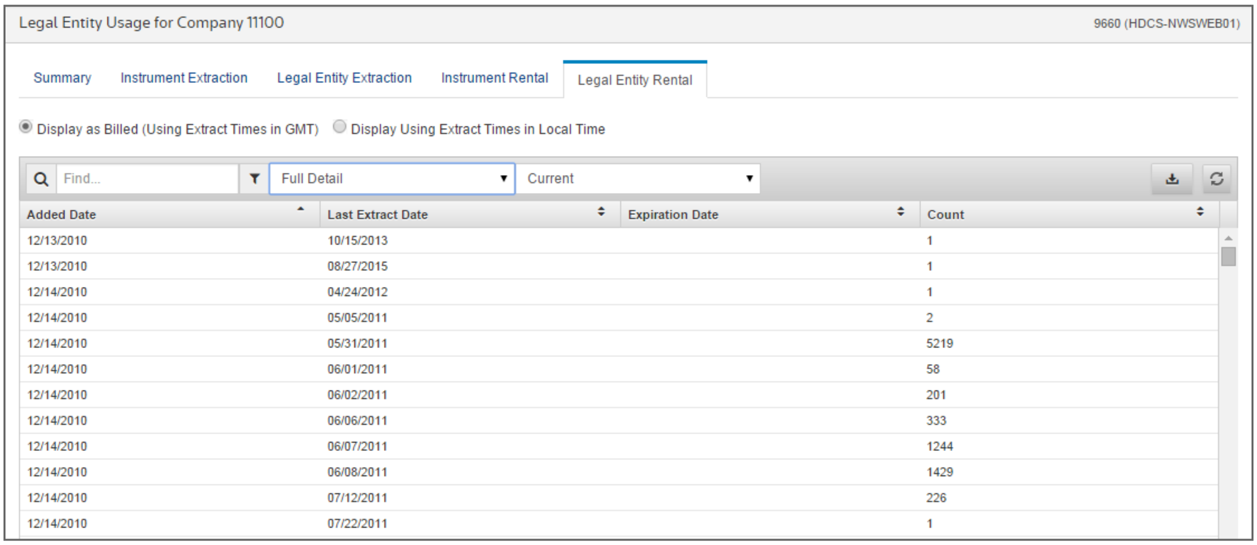
- **First Extract Date** – Identifies the first date on which rental data was extracted for the indicated item.
- **Last Extract Date** – Identifies the most recent date on which rental data was extracted for the indicated item.
- **Expiration Date** – Identifies the effective date for when you will no longer receive rental data for the indicated record. You provide the expiration date in your written rental cancellation (see the note at the beginning of this chapter for details).
- **Rental Type** – Identifies the type of rental data that was extracted.
- **Count** – Identifies the total number of instruments that you have used for the indicated period. For Corporate Actions reports, this value includes instruments for which no data was returned. Note that for intermediate embargoed reports for **Intraday Pricing** extractions, instruments are counted only once and not each time an intermediate report is delivered.

Viewing Entity Rental Usage

The **Legal Entity Rental** screen shows the number of extractions of rental data (verified entities) for a specified time period reported at the company level. Note that unverified entities do not count as rental data. Usage is reported at the company level.

You can view current rental usage, usage for a specified date range (cumulative rental usage as of the specified date) and new items added over a specified date range across three tabs: **Current**, **As Of Date** and **New During Period**. Make sure to click **Go** to display rental data.

In the following example, legal entity rental usage is shown with full details:



The full details view contains the following items:

- **Added Date** – Identifies the date on which the entity was rented.
- **Last Extract Date** – Identifies the most recent date on which rental data was extracted for the indicated item. The date is displayed in the format specified in your Preferences.
- **Expiration Date** – Identifies the effective date for when you will no longer receive rental data for the indicated record. You provide the expiration date in your written rental cancellation. Until such notification is received, you will continue to be billed for rental data.
- **Count** – Identifies the total number of entity records used for the indicated period.

10 Submitting Price Challenges & Price Requests

In this Chapter:

This chapter takes you through the process of challenging Refinitiv evaluated prices via Refinitiv DataScope Select.

Evaluation Connect provides automated bond price challenges for Asian, European and US securities/issues evaluated by Refinitiv Evaluated Pricing Service (formerly, TRPS), including government/corporate, CMO/ABS, MBS, US Municipal instruments. Single and multi-bond challenge support is provided.

You can also request pricing for new issues and unpriced bonds.

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About Evaluation Connect

Evaluation Connect is an automated process for challenging Refinitiv evaluated prices and requesting prices via DataScope Select. This service provides a centralized source for creating, tracking and managing price challenges through intuitive on-screen controls and report generation capabilities. Evaluation Connect is available automatically to all clients who subscribe to Refinitiv Evaluated Pricing Service data. No additional permissions or subscription is required.

Evaluation Connect provides automated single and multi-bond price challenges for Asian, European and US securities/issues evaluated by Refinitiv, including government/corporate, CMO/ABS, MBS, US Municipal and Bank Loan instruments. Supported challenge types include **Tolerance**, **Unchanged**, **Trade**, **Vendor to Vendor** and **Confirm**.

You can also submit pricing requests via Evaluation Connect for new issues and unpriced bonds. This capability applies to government/corporate bonds with price source = EJV and CMO/ABS, MBS and municipal bonds with price source= N/P that can be validated by Refinitiv (that is, Refinitiv Evaluated Pricing Service has the terms and conditions for the requested instrument). You must also be permissioned for the instrument for which you are requesting pricing.

Evaluation Connect Highlights

- Integrated as part of the DataScope Select web-interface with intuitive screens for entering bond price challenges and requesting pricing for new issues and unpriced bonds.
- Multi-bond challenge support via an imported comma separated value (CSV) file that includes predefined columns for simplified input and a wizard that supports import of client challenge files with customized columns.
- Challenge support for Refinitiv evaluated premium, end of day and intraday pricing.
- Challenge support for historical end of day bid prices for the past 30 days plus the three consecutive month-end dates for active bonds.
- Challenge support for bonds that have become inactive during the past 30 days.
- Track and monitor progress of existing challenges and requests from submission through resolution via on-screen controls that allow filtering and sorting.
- Instrument validation and input checks to prevent delays in challenge processing
- Receive responses within 24 hours of submission to Refinitiv Evaluated Pricing Service with optional email notification.
- Consistent responses provided with evaluator details to enable audit trails
- Export challenges to customizable comma separated value (CSV) files.
- Online reports for viewing challenge statistics.

Launching the Challenge Dashboard

You can launch the **Challenge Dashboard** by clicking **DataScope Select**, and then selecting **Evaluation Connect**. Single price challenge capabilities can also be launched from the **Pricing and Analytics** tab in the **Details** screen.

NOTE: Access to these screens requires additional permissions from Refinitiv. Please contact your local account manager or sales specialist for details.

Challenge Dashboard

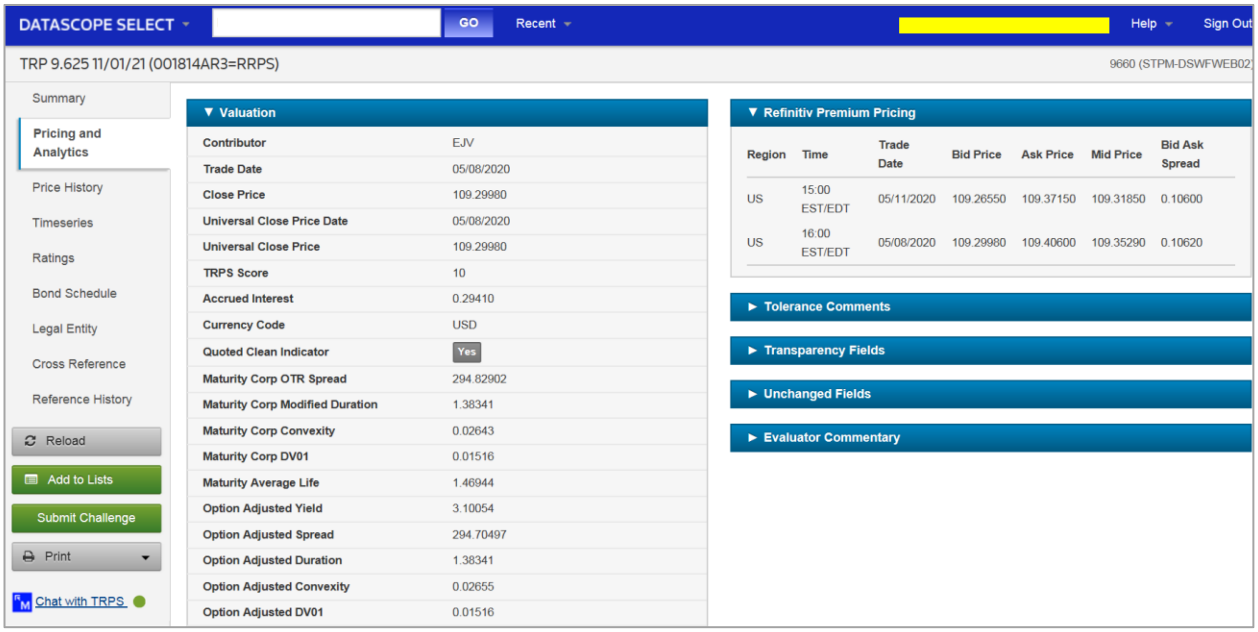
From the **Challenge Dashboard,** you can initiate both single and multi-bond challenges.

The screen contains the following items:

- **Navigation Bar** – Use to navigate single or batch challenges submitted by you or your company. You can also view pricing challenge statistics reports.
- **Create Challenge** – Use to launch the Single Challenge, Batch Challenge, Confirm Batch Challenge or Start Batch Challenge Wizard screen.
- **My Challenges/My Company's Challenges** – Click to view all challenges submitted by you or your company.
- **Date Range** – Use the drop-down to reveal views for displaying price challenges: **Today**, **Yesterday**, **Last 7 Days**, **Last 30 Days**, **This Month**, **Last Month** and **Custom Range**.
- **Export** – Click to export selected challenges to a comma separated value (CSV) file. See Exporting Challenges.
- **Filter** – Use the filter box to search on a text string. When begin entering text, only the challenges matching that text appear.
- **Table** – The table shows all of your challenges or all of your company's challenges, based on your selection. The
- The **Ref#** column identifies the challenge at the instrument level. The **Batch #** column identifies the batch reference number associated with a challenge. Previously, reference numbers were assigned at the instrument level. Now, you can also track challenges at the portfolio level.
- **Batch #** is populated only for challenges that are part of a batch file. The column is blank for single price challenges.

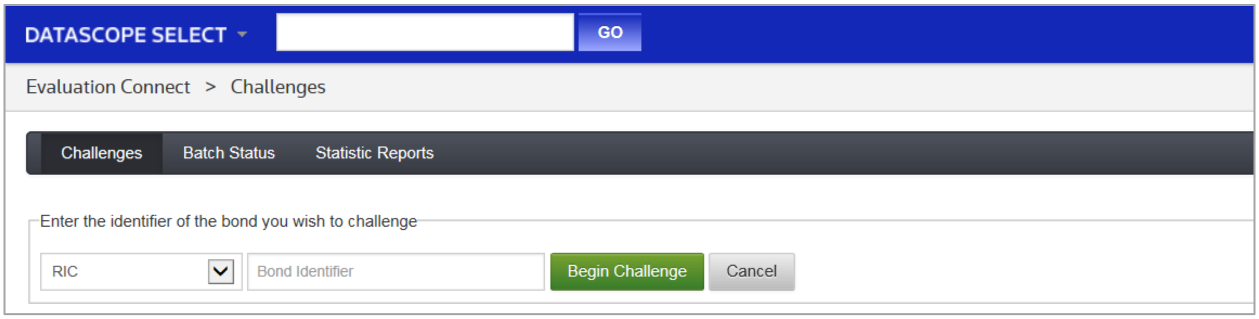
Pricing and Analytics Tab

From this tab, you can view additional details related to the selected instrument's Refinitiv evaluated price that may satisfy your pricing inquiry, including valuation, pricing recipe, premium prices and tolerance comments.



Creating a Price Challenge

To initiate a price challenge from the **Challenge Dashboard**, click **Create Challenge**. You are then prompted to enter the identifier of the bond to challenge, and then click **Begin Challenge**. Otherwise, click **Cancel** to exit the screen and return to the **Challenge Dashboard**.



Note the following key information:

- You must know the complete identifier of the instrument to challenge.

  If you do not know the complete identifier, use **Search** to look up the instrument.
- Any instrument you enter must be a bond priced by Refinitiv Evaluated Pricing Service.

  If the instrument is not priced by Refinitiv Evaluated Pricing Service, an error message will appear, and you will not be able to continue the price challenge.
- The identifier type defaults to your selection in **Preferences**.

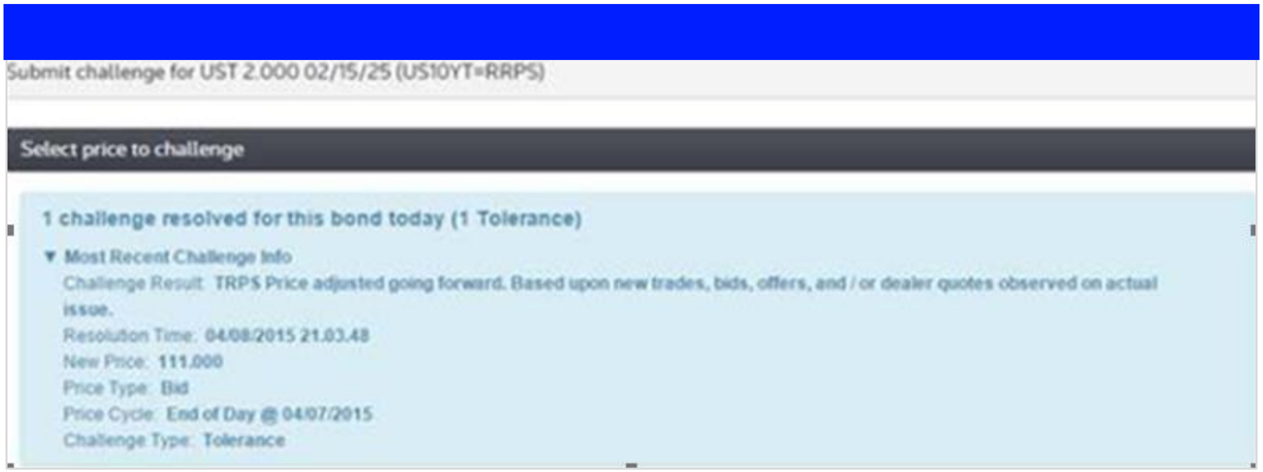
  For example, if RIC is selected as your **Preferred Identifier Type** in **Preferences**, RIC will be the default identifier for entering the bond.
- Review **My Company's Challenges** to check whether a challenge has been entered already.

  The **Challenge Dashboard** shows all of your submitted challenges by default. You can click **My Company's Challenges** to see if a price challenge on the bond has been submitted by someone in your organization already.

Selecting the Price Challenge

Once the bond is validated, DataScope Select checks to see if the bond has already been challenged today. If it has, a message appears at the top of the screen showing the number of challenges for each challenge type.

The most recent resolution will appear (accept or reject), along with the associated accept or reject reason. The pricing cycle and timestamp indicating when the challenge was updated last will also be shown. Note that only resolved challenges are shown. Pending challenges are not included in the count. The names of clients challenging the bond's price are also hidden, along with any related comments and attachments.



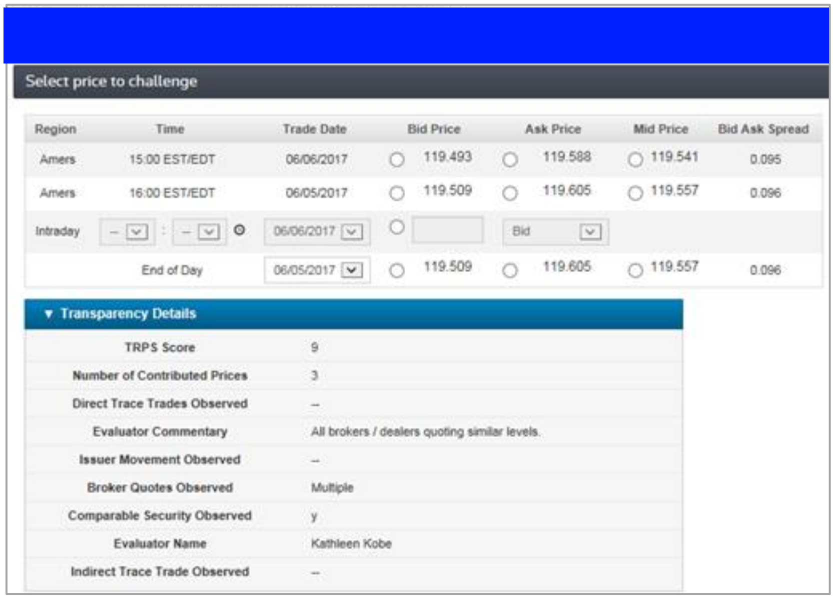
The bond's premium prices for the indicated region and cycle are shown, along with close price. The prices reflect the most recent available. If any of the current trading day's prices are not yet available (for example, you initiate the challenge before the premium pricing cycle runs for that region) then the previous day's price is shown instead.

You can challenge a historical close price from the past 30 days plus the three consecutive month end dates by selecting a date from the **End of Day** drop-down. This action will populate the **Bid Price** for the selected date. A warning will appear if a bid price does not exist for the selected date.

You can also challenge inactive bonds. This capability is available for **Confirm** challenge types only for bonds that have become inactive within a supported time frame. The available dates for selection via the **End of Day** drop-down will populate dynamically based on the bond's maturity date and will include the previous 30 days, as well as the month end dates for the preceding three months. Bonds that became inactive before these dates are not supported.

Additional inputs are provided for challenging the bond's intraday price. Use the time dropdowns to select the hour and minute at which the intraday price was snapshot, if desired. Note that this information is available in your extraction notes file. Time is optional and can be left blank. Time defaults to the time zone selected in your user preferences. Toggle the mouse over the clock to view your time zone selection. Use the date dropdown to select the intraday price date (today or previous trade date), and then click the radio button and enter the intraday price to challenge (bid price).

Use the radio buttons to select the price to challenge. Additional pricing information is listed in the **Transparency Details** section, which you can hide by clicking on the down arrow:



Selecting a Challenge Reason

Use the radio buttons to select the price challenge reason:

- **Tolerance** (default) – Select this option when the instrument's price has moved too much from the previous day's trading price relative to a pre-set percentage threshold that you set.

  When this reason is selected, the screen expands to show the most recent tolerance comments entered by the Refinitiv Evaluated Pricing Service Specialist, if any.
- **Unchanged** – Select this option when the instrument's price has not changed from the previous trading day's price or from a number of trading days. Also known as "stale price."
- **Trade** – Select this option when the instrument's price is too far away from a verifiable broker trade price.
- **Vendor to Vendor** – Select this option when the instrument's price is too far away from a primary third-party vendor's price. You can also specify prices from two additional and independent vendors for comparison.
- **Confirm** – Select this option to confirm the instrument's price for the trading day.
- **Broker –** Select to challenge a broker's quote. The price type and price are required.

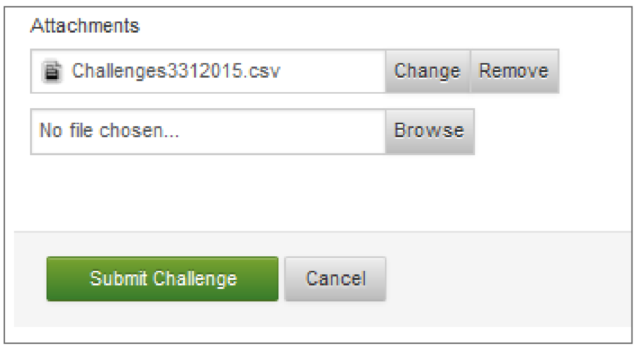
The screen updates to show the inputs for the selected challenge type. Note the following:

- Optionally, enter a client price to compare to the current Refinitiv-evaluated price.
- Make sure to enter a numerical value when entering prices for **Trade** and **Vendor to Vendor** challenges. Thousands separators and decimals to indicate trailing zeros are supported.
- Text boxes for **Trade** and **Vendor to Vendor** challenges are optional and free form.
- Comments for **Tolerance**, **Unchanged** and **Confirm** challenges are optional; however, entering the details of your challenge can clarify your request and expedite a response from Refinitiv Evaluated Pricing Service. You can enter up to 500 characters.

Attaching Supporting Documentation

You can attach supporting documents to Refinitiv Evaluated Pricing Service Specialist for consideration during the price challenge review. This capability is available for single price challenges only.

Click **Browse** to open a window from where you can navigate to the file on your computer, and then add it to the challenge. When you add a document, a new **Browse** box appears for adding another document. You can attach up to three documents.

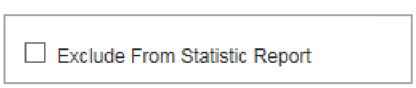


You can upload the following document types, with each document limited to a maximum size of 3 MB: Microsoft Word (.doc and .docx formats), Microsoft Excel (.xls and .xlsx formats), Adobe PDF, Text Files (.txt), jpeg and bmp.

To remove an attachment prior to submitting the challenge, click **Remove**. This capability is supported only prior to submitting the challenge. Attachments cannot be deleted once the challenge is submitted. Submitted documents remain part of the challenge for one calendar year. Once this period has expired, the documents are deleted from the challenge.

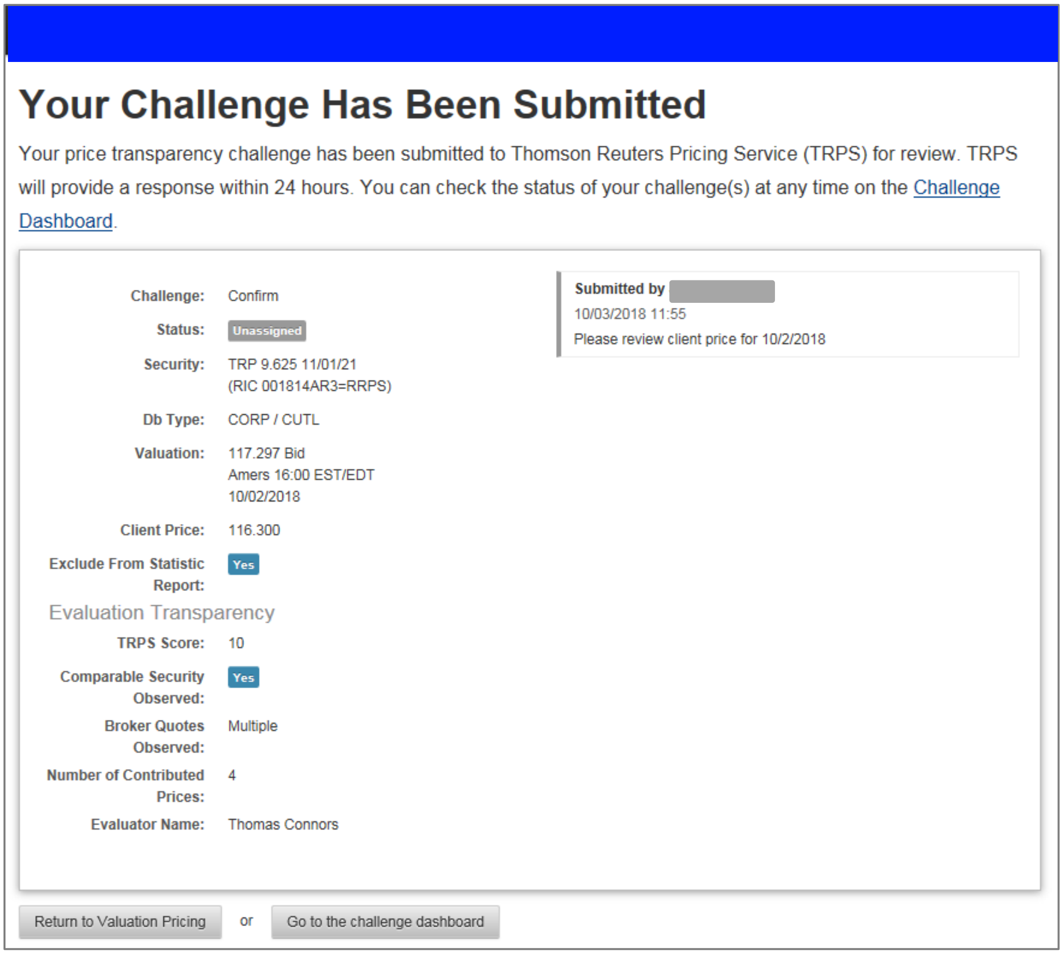
Excluding Challenges from Statistic Reports

Evaluation Connect provides statistic reports detailing monthly challenges and sector directions. In some instances, you may not want to identify a submission as a challenge, for example, when submitting trade data to Refinitiv Pricing Evaluation Service. You can do this by selecting **Exclude From Statistic Report** in the **Select challenge reason** section of the price challenge. This option is cleared by default.



Submitting a Price Challenge

When you click **Submit Challenge**, you are presented with a confirmation that you can print for your records. You can exit this screen and return to the **Challenge Dashboard** or the **Valuations Pricing** tab if you launched the challenge from that tab.



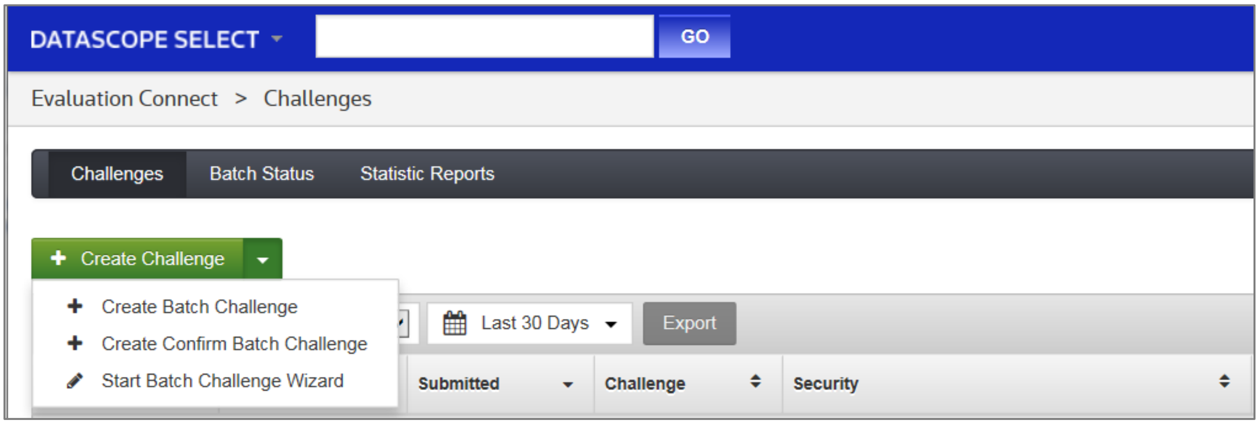
Submitted price challenges are automatically routed to Refinitiv Evaluated Pricing Service for assignment and review. Your challenge is added to the submission table from where you can track its progress through completion. While being routing to the appropriate Refinitiv Pricing evaluator, the challenge will have a status of **Unassigned**. Once under review, the status of the challenge will update to **Assigned**.

Note the following key information about submitting price challenges:

- If you exit the **Challenge Dashboard** before submitting the challenge, your submission will not be saved; similarly, the **Challenge Dashboard** will timeout after 30 minutes of inactivity (standard DataScope Select policy).
- You can challenge a bond only once for a particular trading date and pricing cycle.
- Once a challenge is submitted, you cannot update it. If you make an error in a challenge (for example, you enter a wrong price) and want to delete it, you can do so only when the challenge has a status of **Unassigned**. Thereafter, you cannot delete the challenge.

Submitting Batch Challenges

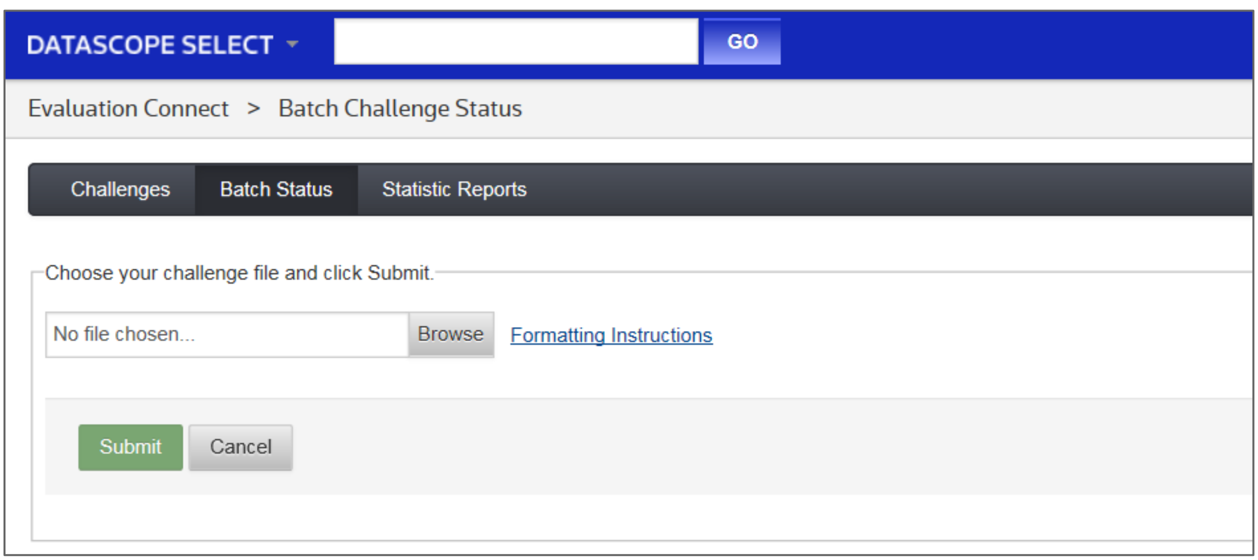
To initiate a batch challenge from the **DataScope Select** menu, click **Batch Status**, and then click **Create Batch Challenge**. If you want to upload a batch file containing only Confirm Challenges, click the down arrow, and then select **Create Confirm Batch Challenge**. The **Batch Challenge Wizard** simplifies the batch challenge creation process by supporting import of client challenge files with customized columns. Please see the next section for details.



Create Batch Challenge

You can upload multiple price challenges and requests in a single comma separate value (CSV) file. DataScope Select provides a sample file that identifies the header row and required and optional content that you need to enter for each bond that you want to challenge.

Click **Formatting Instructions** to view example challenges on screen or to download a sample file to save the file on your computer.

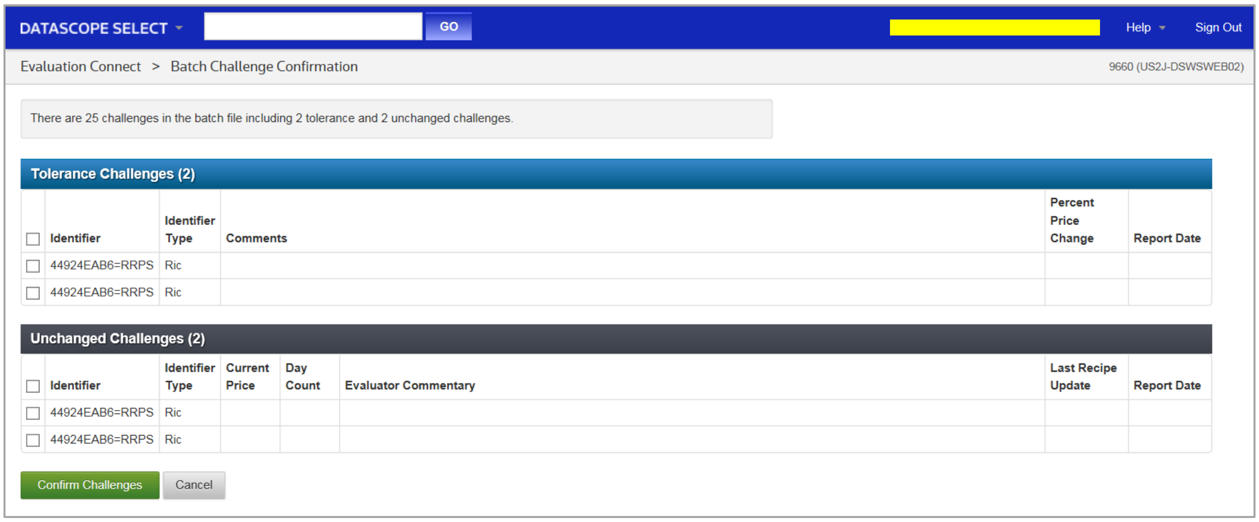


You can update the sample file with your own challenges. Please pay particular attention to the input and formatting requirements. For example, you must enter dates in the format specified in your **Preferences**. Please make sure to remove the sample challenges and instructions prior to saving your file.

Uploading Batch Challenges

To upload a batch file, click **Browse** in the **Batch Challenge** screen, and then locate the CSV file on your computer and click **Submit**.

When you import a bulk file that contains Tolerance and Unchanged challenges, a Batch **Challenge Confirmation** screen will appear, identifying the total number of challenges and a breakdown of **Tolerance** and **Unchanged** challenges.

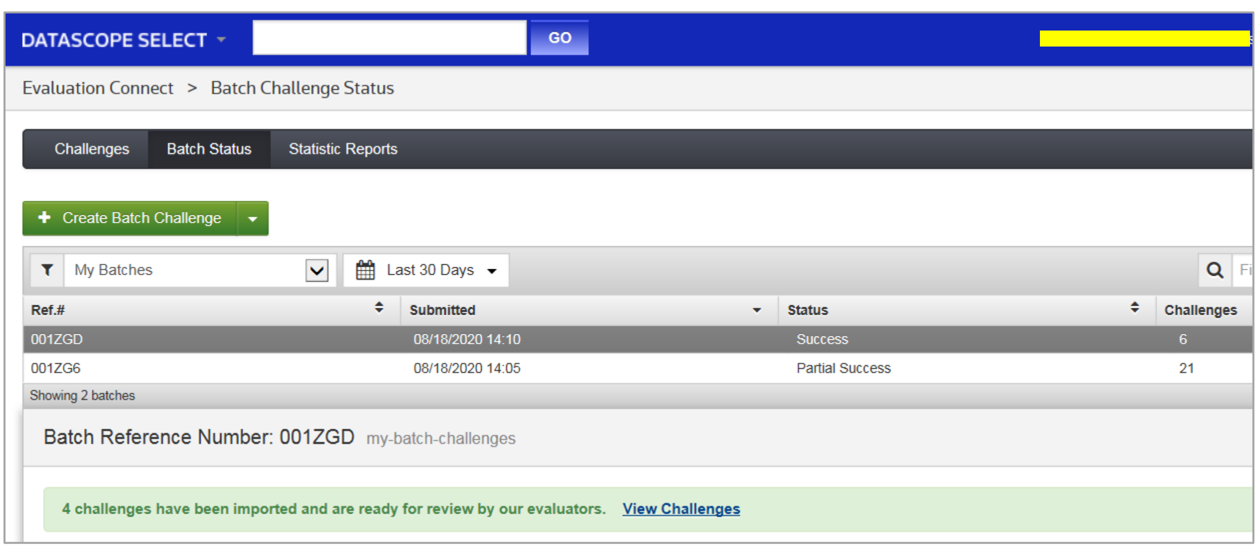


You can review these challenges and decide if you want to proceed with importing them. If so, you must click the check box next to the challenge identifiers, and then click **Confirm Challenges**. Keep the check boxes cleared if you do not want to import the challenges.

This screen is bypassed for all other challenge types except Tolerance and Unchanged.

Your batch file is added to the table, identified with a reference number, the submission date, upload status, and number of challenges.

The upload status is initially **Processing**, and then becomes **Partial Success** or **Success**, depending on whether import errors are detected.



Viewing Batch Challenges

You can click on the batch challenge to view the details of your upload validation. If no errors exist, **Success** appears in the status column and the message below identifies the number of challenges imported.

Partial Success appears with a message identifying the number of challenges imported successfully first, followed by the number of challenges that failed. The error messages include the identifiers of the failed challenges for your reference.

For example:

```
Partial Success
9 challenges have been imported and are ready for review by our evaluators
1 error occurred during import: 'RIC 44924EAB6=RRPS' was not found or is not priced
by REPS, please contact a Pricing Service Specialist at REPSspecialist@refinitiv.com
```

Once you correct the errors, you can import the file again. The import process checks for challenges that have already been imported to prevent duplicates.

For example:

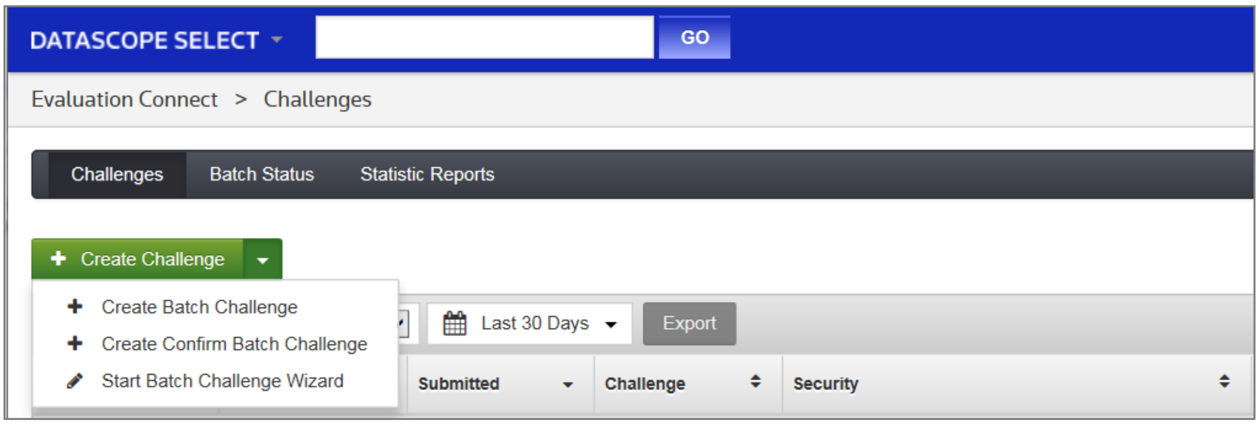
```
1 challenge has been imported and is ready for review by our evaluators
9 duplicate challenges have been identified and discarded
```

Using the Batch Challenge Wizard

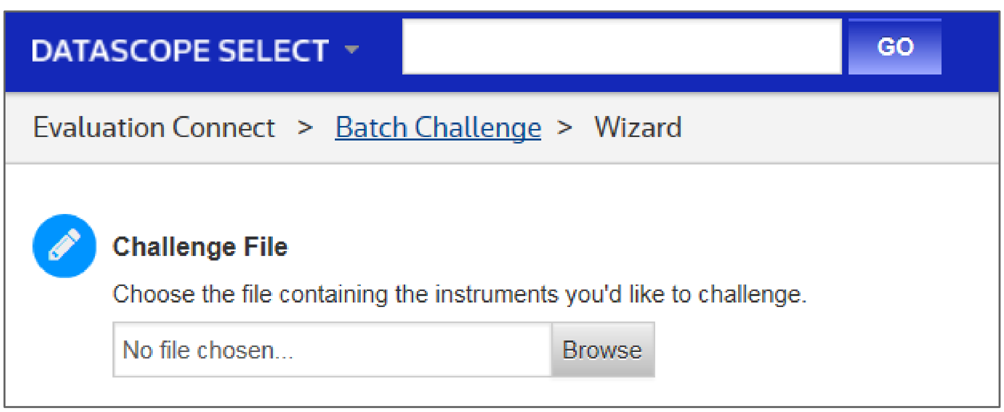
The **Batch Challenge Wizard** simplifies the batch challenge creation process by supporting import of client challenge files with customized columns. DataScope Select remembers the columns of the customized batch challenge file so that you only have to use the wizard once for that file. Thereafter, DataScope Select automatically recognizes the customized file columns and imports the batch challenges automatically.

The wizard supports comma separated value (.csv) formatted files only. The file can contain up to 1000 challenges of end of day, intraday and premium prices for one or more pricing cycles for one or more dates. Historical prices for the past 30 days plus three consecutive month-end dates are available for challenging active bonds. Inactive bonds beyond their maturity date cannot be challenged.

You can launch the **Batch Challenge Wizard** from the **Create Challenge** drop-down on the **Challenges** screen:



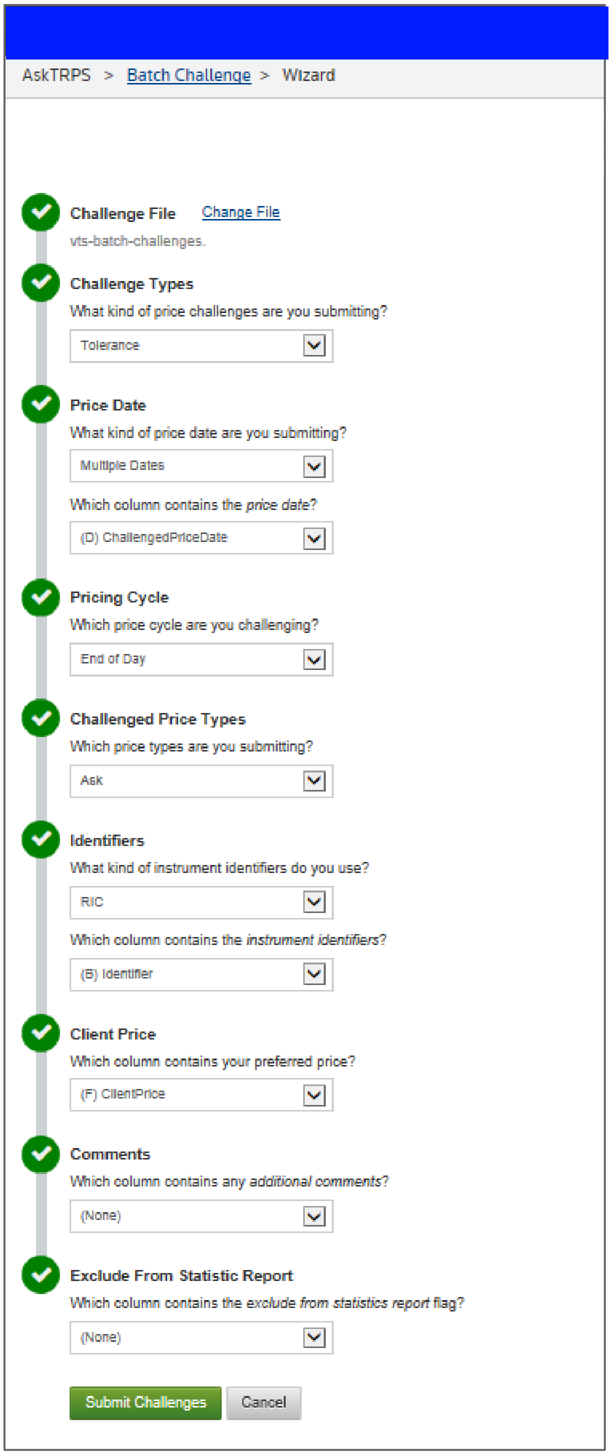
You are promoted to navigate to the csv file to import.



As part of the validation process, DataScope Select automatically detects the columns in the file and uses them as input for configuring the batch challenge file.

The wizard then guides you through a series of questions for identifying the price challenge types, price cycles and identifiers for the instruments to challenge and asks you to identify the column in the file containing that detail.

You must answer each question in order to move on to the next one. You can make changes to any previously answered question.

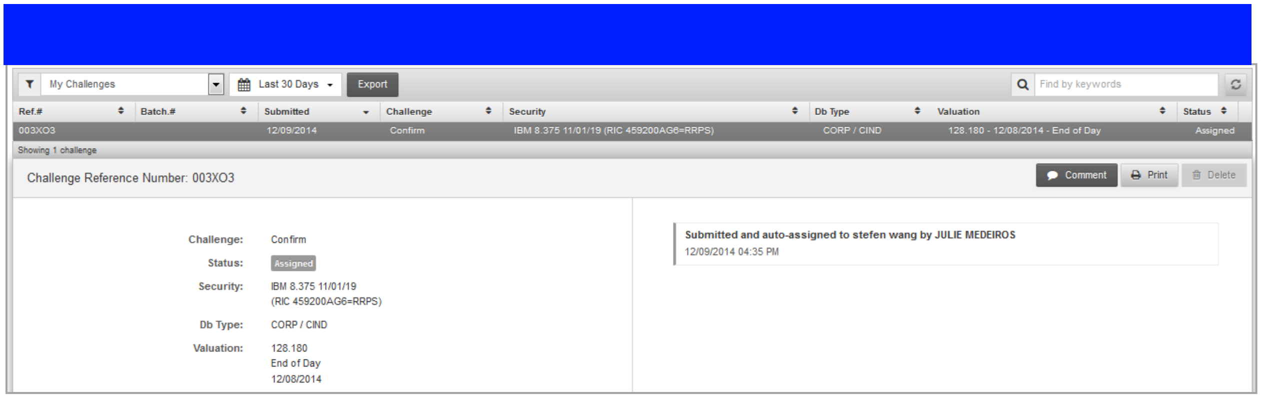


Once all questions are answered, click the **Submit Challenges** to import the file. When you import a bulk file that contains Tolerance and Unchanged challenges, a Batch **Challenge Confirmation** screen will appear, identifying the total number of challenges and a breakdown of **Tolerance** and **Unchanged** challenges.

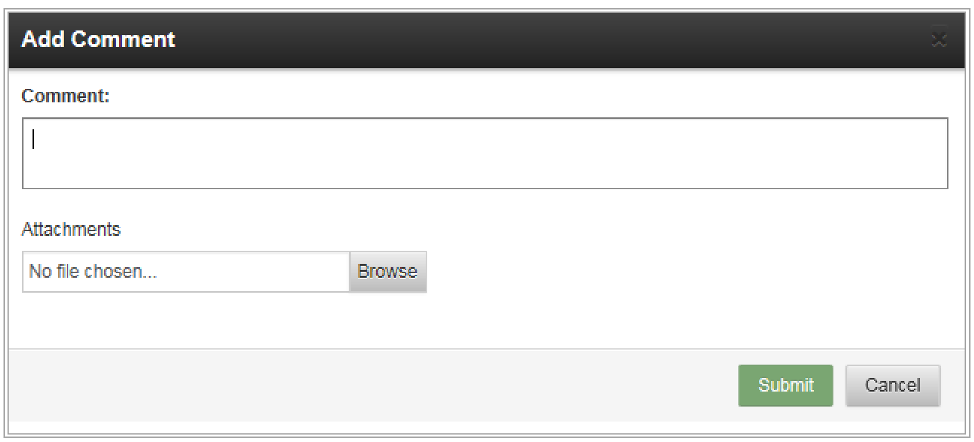
You can review these challenges and decide if you want to proceed with importing them. If so, you must click the check box next to the challenge identifiers, and then click **Confirm Challenges**. Keep the check boxes cleared if you do not want to import the challenges.

Adding Comments & Attachments

Both clients and Refinitiv Evaluated Pricing Service Specialists can add comments and up to three attachments to an assigned or a resolved challenge. This capability enables the two parties to record comments, questions or requests for additional information directly in the existing single or batch challenge via the **Comments** box that you can launch by clicking the comments button at the top of the challenge.



You can enter up to 500 characters in this box:



You can upload the following document types, with each document limited to a maximum size of 3 MB: Microsoft Word (.doc and .docx formats), Microsoft Excel (.xls and .xlsx formats), Adobe PDF, Text Files (.txt), jpeg and bmp.

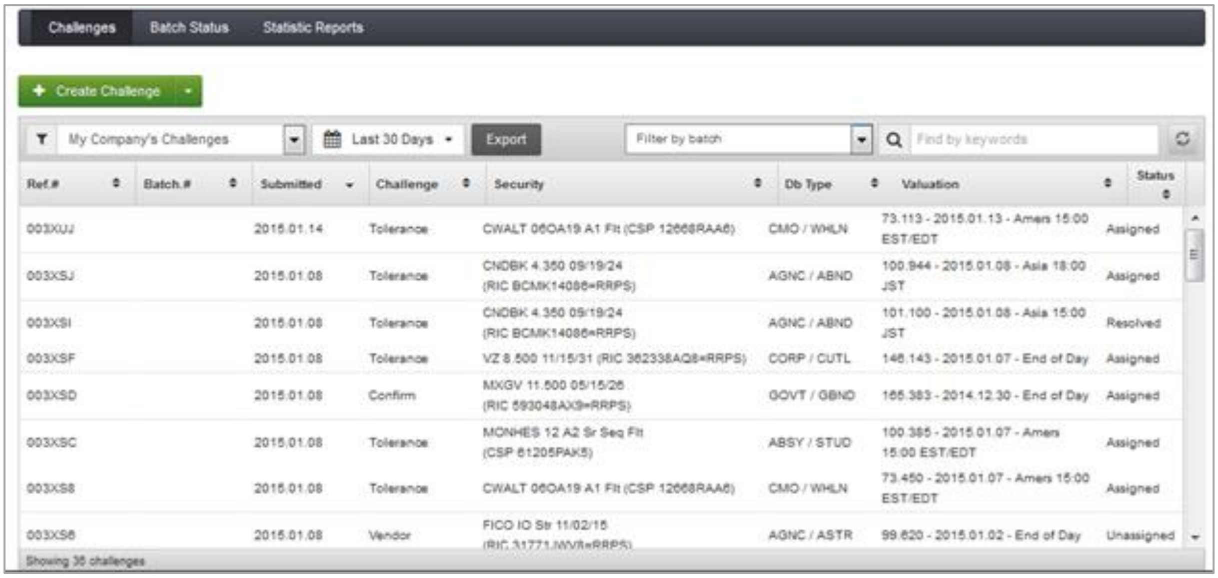
NOTE: No more than three attachments can be included to the challenge. This includes any attachments submitted when you created the challenge. For example, if you attached one file when you created the challenge, you will be able to add only two additional files thereafter.

When you click **Submit**, the comment is added to the challenge and notification is sent to the assigned evaluator. If the evaluator entered the comment, you will be alerted via email if you have **Send Challenge Notifications** enabled in your user preferences. Otherwise, you must check the challenge.

When you add a comment to a resolved challenge, the challenge status updates automatically to **Reopened** and the challenge will be assigned automatically to the Refinitiv Evaluated Pricing Specialist who resolved the challenge originally. Note that evaluators will only respond to reopened challenges that were created less than 31 days ago.

Tracking Price Challenges

All of your submitted challenges appear in the submission table by default. You can also view the challenges submitted by others in your organization by clicking **My Company's Challenges**. Challenges are listed chronologically by submission date.



For each submission, the following details are provided:

- **Ref. #** – Submission reference number assigned to the challenge.
- **Batch #** – Reference Id for which this challenge is a part. Blank when the challenge is not associated with a batch file.
- **Submitted** – Date on which the challenge was submitted, presented in the date format specified in your preferences.
- **Challenge** – The price challenge reason: Tolerance, Unchanged, Trade, Vendor to Vendor and Confirm.
- **Security** – Description and identifier of the instrument being challenged.
- **Db Type** – Asset type / subtype for the instrument being challenged.
- **Valuation** – The selected premium or closing price for the instrument being challenged shown with the premium pricing region and cycle.
- **Status** – The current state of the challenge: **Unassigned**, **Assigned** and **Resolved**.

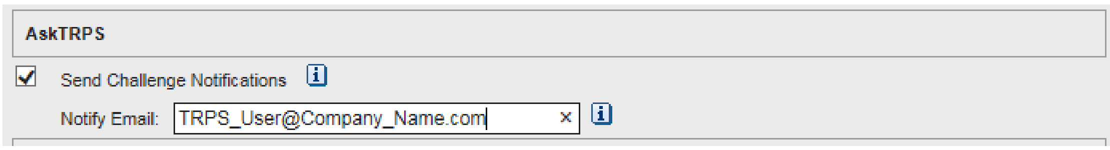
You can sort on any of the column headers to view your challenges in ascending/descending order. The **Filter by batch** drop-down, visible when viewing your company's challenges only, shows all of the submitted batch files. You can select a batch file to view only the individual challenges in that file. The filter box lets you filter your challenges based on a text string or numerical value. You can click on any individual challenge to view its details in a separate window that you can print as a paper copy for your records. The details available depend on the challenge status. For example, if the submission is **Assigned**, the screen will show, **Assigned to an evaluator** with the corresponding date and time of the assignment.

Receiving Challenge Notifications

You can select to receive email notifications when your price challenges have been resolved or comments have been added in the **Evaluation Connect** section of the **Preferences** screen.

To enable alerting, select **Send Challenge Notifications**. Your email address appears automatically in the **Notify Email** box. You can enter additional emails, separated by semi colons, up to 256 characters. Email formats are validated upon saving your preferences. An error message will be returned for text that is not formatted as a valid email address.

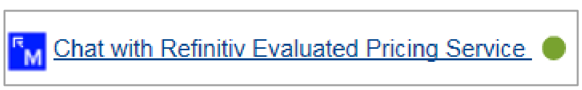
When an evaluator makes a comment, that comment will be sent to all recipients specified.



When a single challenge has been resolved, the notification will identify the challenge reference number, the submission date, instrument identifier, resolution date and time, and evaluator assigned to the challenge. When the challenge is part of a batch challenge, the notification will be sent when the entire batch challenge is resolved. The notification will identify the batch challenge reference number, date of submission and resolution date. You will be required to login to DataScope Select to view the details related to the challenge resolution or comment.

Chatting with Refinitiv Evaluated Pricing Service

Instant messaging capabilities enable you to talk directly with a Refinitiv Evaluated Pricing Service Specialist on business days between 3:00 p.m. – 6:00 p.m. (Eastern Time). **Chat with Refinitiv Evaluated Pricing Service** is available via the Eikon Messenger, which you can launch via the **Challenge Dashboard** and **Pricing and Analytics** screens.



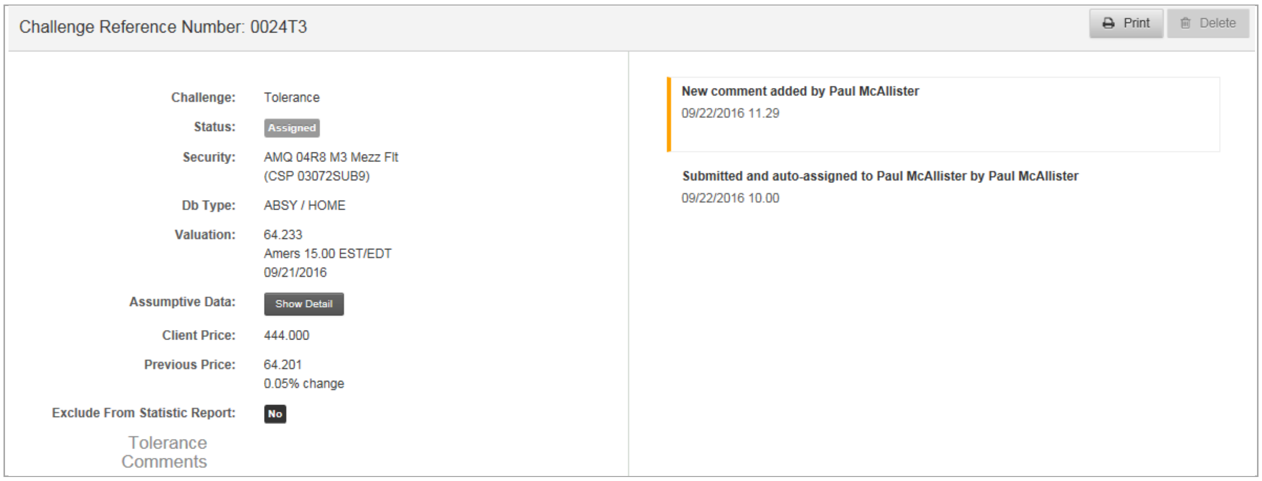
When you click the link, DataScope Select detects whether Eikon Messenger is installed. If not, you are prompted to install it directly from DataScope Select. If you do not want to install the tool, you can communicate with Refinitiv Evaluated Pricing Service by logging in directly to the Eikon Messenger web site: (https://eikonmessenger.com/eikonmessenger/login). Accessing to the Eikon Messenger site requires Google Chrome. An error will appear if you try to access this site with another browser type.

During the designated hours, the status button next to **Chat with Refinitiv Evaluated Pricing Service** turns green to let you know that a Refinitiv Evaluated Pricing Service Specialist is available to provide immediate responses to your inquiries. Outside of these hours, the status button is disabled, and if you click **Chat with Refinitiv Evaluated Pricing Service**, a message alerts you that the service is unavailable. In this instance, you should submit your question directly via Evaluation Connect.

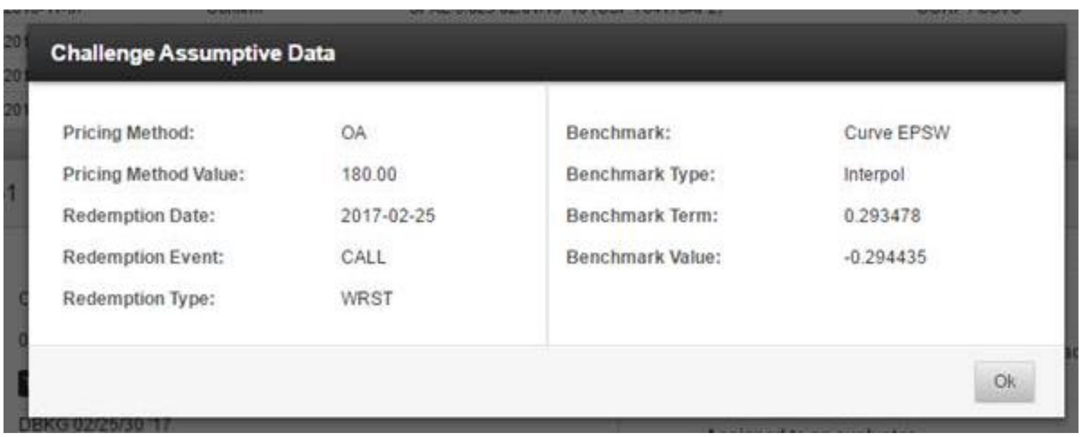
Viewing Challenge Responses

Refinitiv Evaluated Pricing Service will respond to all inquiries within 24 hours of submission and indicate whether your challenge was accepted or rejected. Accepted challenges will result in price adjustments, as appropriate. No adjustments will be made to price challenges that have been rejected. Once the challenge is resolved, you can click on it to view the challenge response and name of the Refinitiv Evaluated Pricing Service Specialist assigned to challenge.

The response will include an explanation for why the challenge was accepted or rejected, along with tolerance/unchanged comments, when available, and evaluator notes, if provided. Comments exchanged between the evaluator and client are also listed, if provided.



Click **Show Detail** to view all of the values used to derive the bond's price in the **Challenge Assumptive Data** window.

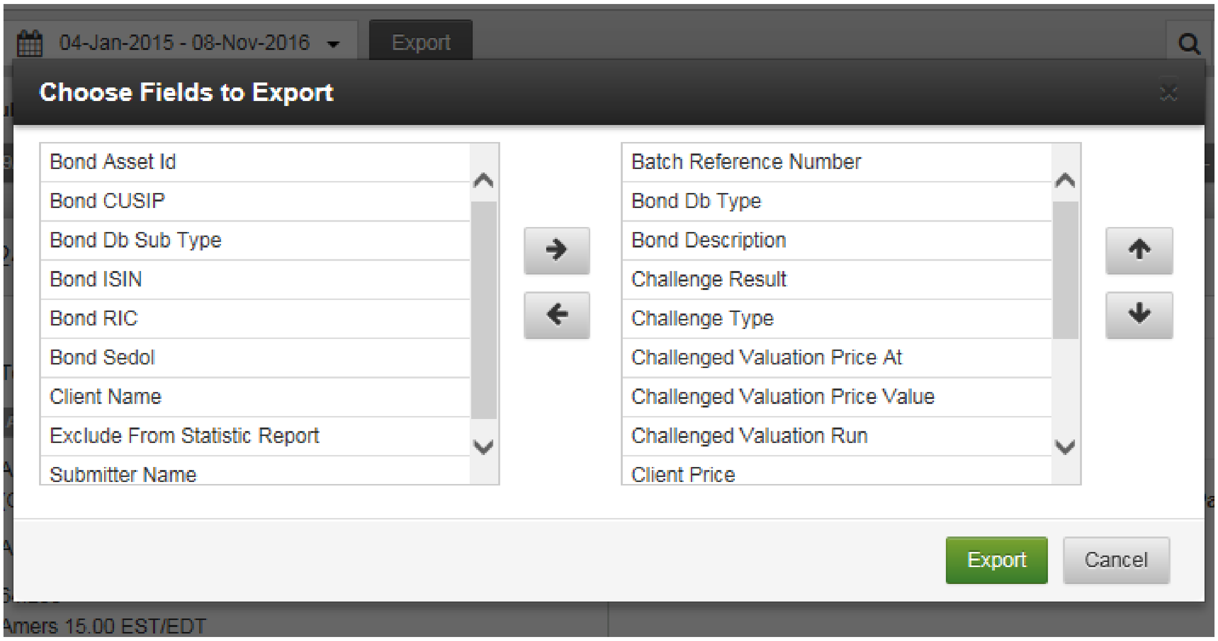


Exporting Challenges

In the **Challenge Dashboard** screen, use the date range filter to reveal the possible views for displaying price challenges: **Today**, **Yesterday**, **Last 7 Days**, **Last 30 Days**, **This Month**, **Last Month** and **Custom Range**. When you select **Custom Range**, calendars appear for selecting the **From** and **To** dates.

Click the **Export** button to export the displayed challenges to a CSV file. Note that this button appears only when you have submitted challenges. This button is hidden if you do not have any challenges submitted.

In the **Choose Fields to Export** window, select and order the fields for your exported file:



By default, the following fields are selected:

- **Batch Reference Number** – ID of batch file challenge of which the challenge is a part.
- **Bond Db Type** – Code indicating the asset type for the instrument being challenged.
- **Bond Description** – Description of the instrument being challenged.
- **Challenge Result** – Outcome of the challenge: Accepted or Rejected.
- **Challenge Type** – The price challenge type: Tolerance, Unchanged, Trade, Vendor to Vendor or Confirm.
- **Challenged Valuation Price At** – Date and time at which the instrument being challenged was priced by Refinitiv Evaluated Pricing Service.
- **Challenged Valuation Price Value** – Instrument's price for the date and pricing cycle as provided by Refinitiv Evaluated Pricing Service.
- **Challenged Valuation Run** – Valuation cycle for the price being challenged.
- **Evaluator Comment** – Optional comments provided by the Refinitiv Evaluated Pricing Service Specialist, along with the accept/reject reason.
- **ID** – Submission reference number assigned to the challenge.
- **Submission Date** – Date and time at which the challenge was submitted.

- **TRPS Adjusted Price** – Returns the bond's updated price, if applicable, provided by Refinitiv Evaluated Pricing Service as part of the challenge resolution.
- **User Provided Identifier** exports the identifier that you used to create the challenge.
- You can also include the following fields:
- **Bond Asset Id** – Unique system-assigned identifier for the instrument being challenged.
- **Bond CUSIP** – Committee on Uniform Security Identification Procedures (CUSIP) code for the instrument being challenged.
- **Bond Db Sub Type** – Code indicating the asset subtype for the instrument being challenged.
- **Bond ISIN** – International Securities Identification Numbering (ISIN) code for the instrument being challenged.
- **Bond RIC** – Refinitiv Identification Code (RIC) for the instrument being challenged.
- **Bond SEDOL -** Stock Exchange Daily Official List identifier for the instrument being challenged.
- **Client Name** – Name of the company submitting the challenge.
- **Exclude From Statistic Report** – **Yes** or **No** to indicate whether the challenge is excluded from Statistic reporting.
- **Submitter Name** – Name of the client who submitted the challenge. If you are viewing your challenges, your name will be shown. If you are viewing your company's challenges, your name or the name of your co-worker who submitted the challenge will be shown.

To add, remove and order fields:

1. Click on a field to select it, and then use to move it to the field selection window.
2. Use to return the field back to the selection list so that it is not included in your exported file.
3. Use and to order the fields in the selected fields list. The order you specify is how the fields will appear in your exported file.
4. When you click **Export**, all of the challenges shown for the selected filter are exported to a CSV file. Note that you cannot select individual challenges to export.

NOTE: The fields that you select are saved for future exports while you remain the on the **Challenge Dashboard**. Once you navigate to a new screen, and then return to the **Challenge Dashboard** and do a new export, your selections are cleared.

Submitting Pricing Requests

You can submit pricing requests via Evaluation Connect for new issues and unpriced bonds. This capability applies to Gov/Corp bonds with price source = EJV and CMO/ABS, MBS and municipal bonds with price source= N/P that can be validated by Refinitiv Evaluated Pricing Service (that is, Refinitiv Evaluated Pricing Service has the terms and conditions content for the requested instrument). You must also be permissioned for the instrument for which you are requesting pricing.

The process for requesting pricing is the same as for submitting a price challenge with these variations:

- You can request pricing for single unpriced instrument from the existing **Create Challenge** screen. You can perform multiple pricing requests via the **Batch Challenge** or **Batch Challenge Wizard**.
- The **Pricing Request** form is similar to the existing **Price Challenge** screen without the **Select Price to Challenge** section. Use the **Complete the Pricing Request Form** to enter confirmation, trade and vendor-to-vendor details. You can also enter comments and attach supporting documents, as you would for a price challenge.
- Once submitted, the pricing request is automatically routed to Refinitiv Evaluated Pricing Service for assignment and review, just like a price challenge. Your request is added to the **Challenges** table from where you can track its progress through completion. While under review, the **Status** column will show **Unpriced.**
- As with price challenges, Refinitiv Evaluated Pricing Service will respond to all accepted requests within 24 hours of submission. You can review the response by clicking on the request in the **Challenge** table.
- When the Refinitiv Evaluated Pricing Service Specialist can price the instrument, the resulting response will include an “indicated” or “confirmed” message to indicate that the security has been priced and optional evaluator comments added. If the Refinitiv Evaluated Pricing Service Specialist cannot price the instrument, **Unable to Price: Observable market information is not available to price this issue** will appear in the response instead.
- Like price challenges, price requests are tracked as part of the **Statistics** report. This report provides a breakdown of changed and unchanged prices for a specified time period based on the challenges/requests submitted by you or your company.

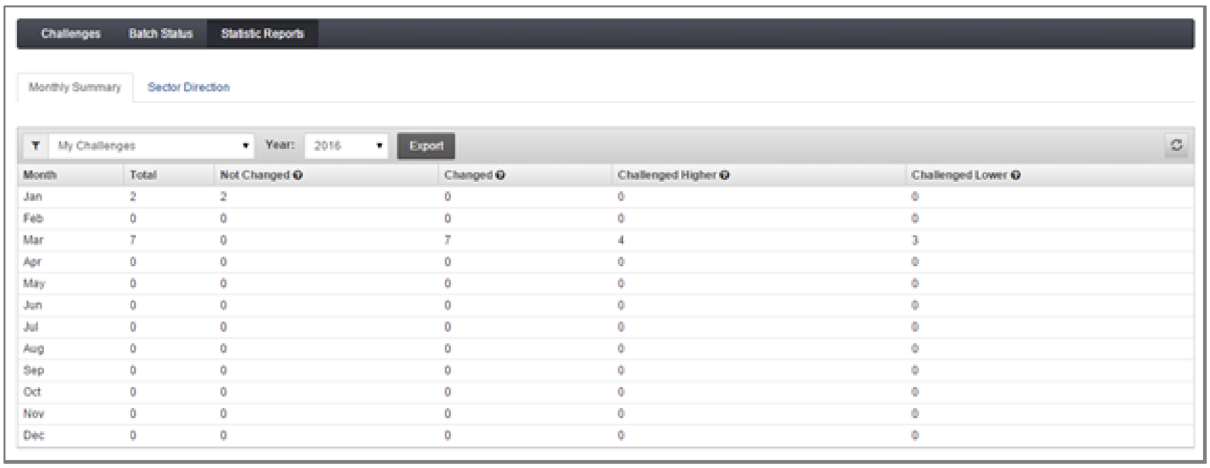
Viewing & Exporting Statistics Reports

Click **Statistics Report** in the navigation bar to view a breakdown of changed and unchanged prices for a specified time period based on price challenges submitted by you or your company to Refinitiv Evaluated Pricing Service. Like Challenges, Statistics reports can also be exported. See Exporting Challenges for details.

The **Statistics Report** appears across two tabs:

- **Monthly Summary**

  This tab shows a monthly breakdown of individual or company-wide challenges for a selected year. Use the drop-downs at the top of the screen to view either your challenges or the challenges submitted by your company and also to choose the year. Historical challenges back to 2011 are supported.



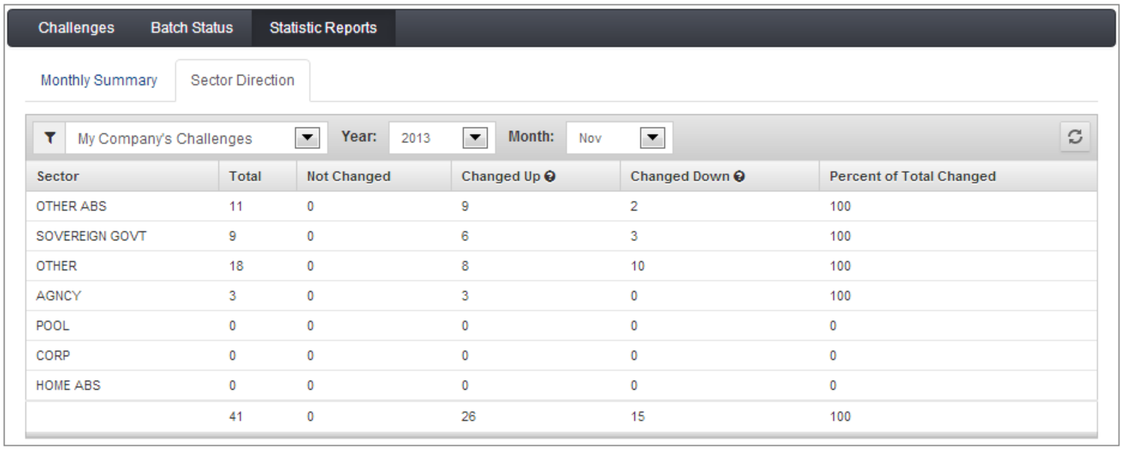
Month	Total	Not Changed	Changed	Challenged Higher	Challenged Lower
Jan	2	2	0	0	0
Feb	0	0	0	0	0
Mar	7	0	7	4	3
Apr	0	0	0	0	0
May	0	0	0	0	0
Jun	0	0	0	0	0
Jul	0	0	0	0	0
Aug	0	0	0	0	0
Sep	0	0	0	0	0
Oct	0	0	0	0	0
Nov	0	0	0	0	0
Dec	0	0	0	0	0

  The **Monthly Summary** tab includes these columns:

  - **Month** – Shows the month of the selected year. Months are presented in chronological order.
  - **Total** – Shows the total number of price challenges submitted for the indicated month.
  - **Not Changed** – Shows the monthly total of prices unchanged following Refinitiv Evaluated Pricing Service review of the price challenges (Refinitiv Evaluated Pricing Service stands by these prices).
  - **Changed** – Shows the monthly total of prices adjusted following Refinitiv Evaluated Pricing Service review of the price challenges.
  - **Challenge Higher –** Shows show the number of challenges that resulted in a higher price change for the month.
  - **Challenge Lower -** Shows show the number of challenges that resulted in a lower price change for the month.

- **Sector Direction**

  This tab shows a monthly breakdown of price challenges for a selected year by asset type. Use the drop-downs at the top of the screen to view your challenges or the challenges submitted by your company and month and year in which you are interested. Historical challenges back to 2011 are supported.



Sector	Total	Not Changed	Changed Up	Changed Down	Percent of Total Changed
OTHER ABS	11	0	9	2	100
SOVEREIGN GOVT	9	0	6	3	100
OTHER	18	0	8	10	100
AGNCY	3	0	3	0	100
POOL	0	0	0	0	0
CORP	0	0	0	0	0
HOME ABS	0	0	0	0	0
	41	0	26	15	100

  The **Sector Direction** tab includes these columns:

  - **Sector** – Shows fixed income sector type: CMO Whole Loan, Home ABS, Other ABS, Corporate Bond, CMO Agency Tranche, CMBS, Sovereign Government, Other, Mortgage Pool, Agency, SBA and CDO. A subtotal of all sectors appears at the bottom of the list.
  - **Total** – Shows the total number of price challenges submitted for the indicated month.
  - **Not Changed** – Shows the monthly total of prices unchanged following Refinitiv Evaluated Pricing Service review of the price challenges (Refinitiv Evaluated Pricing Service stands by these prices).
  - **Changed Up** – Shows the monthly total of prices adjusted above the original prices following Refinitiv Evaluated Pricing Service review of the price challenges.
  - **Changed Down** – Shows the monthly total of prices adjusted below the original prices following Refinitiv Evaluated Pricing Service review of the price challenges.
  - **Percent of Total Changed** – Shows the percent of price changed based on the total number of challenges submitted for the indicated asset type.

11 Refinitiv DataScope Select Standard Solutions

In this Chapter:

This chapter describes Standard Solutions, Refinitiv DataScope Select’s bulk capability for delivering packaged content sets from a single site. An overview of the available subscriptions and files is provided.

Information on DataScope Plus, Refinitiv’ s customizable bulk file offering for receiving a continuous flow of reference data delta files, delivered daily at 15-minute intervals, is also provided.

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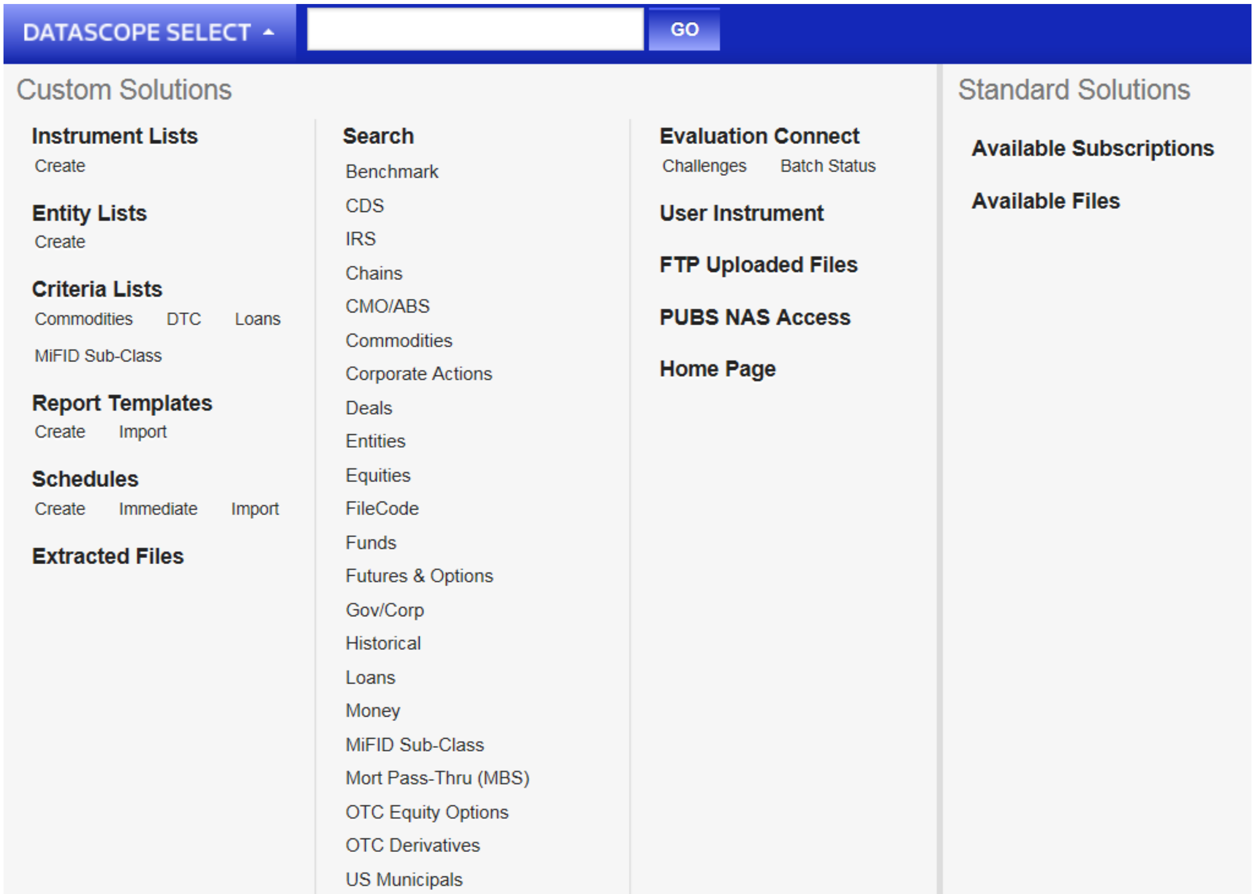
About Refinitiv DataScope Select Standard Solutions

Standard Solutions is DataScope Select's bulk capability for delivering packaged content sets from a single site. Permissioned clients can view their subscriptions and files from intuitive screens, and then download daily, weekly and quarterly bulk files via FTP. Content is offered via subscriptions that contain complete asset sets grouped by region.

The Standard Solutions offering consists of two screens for viewing available subscriptions and bulk files. You can download these files via FTP.



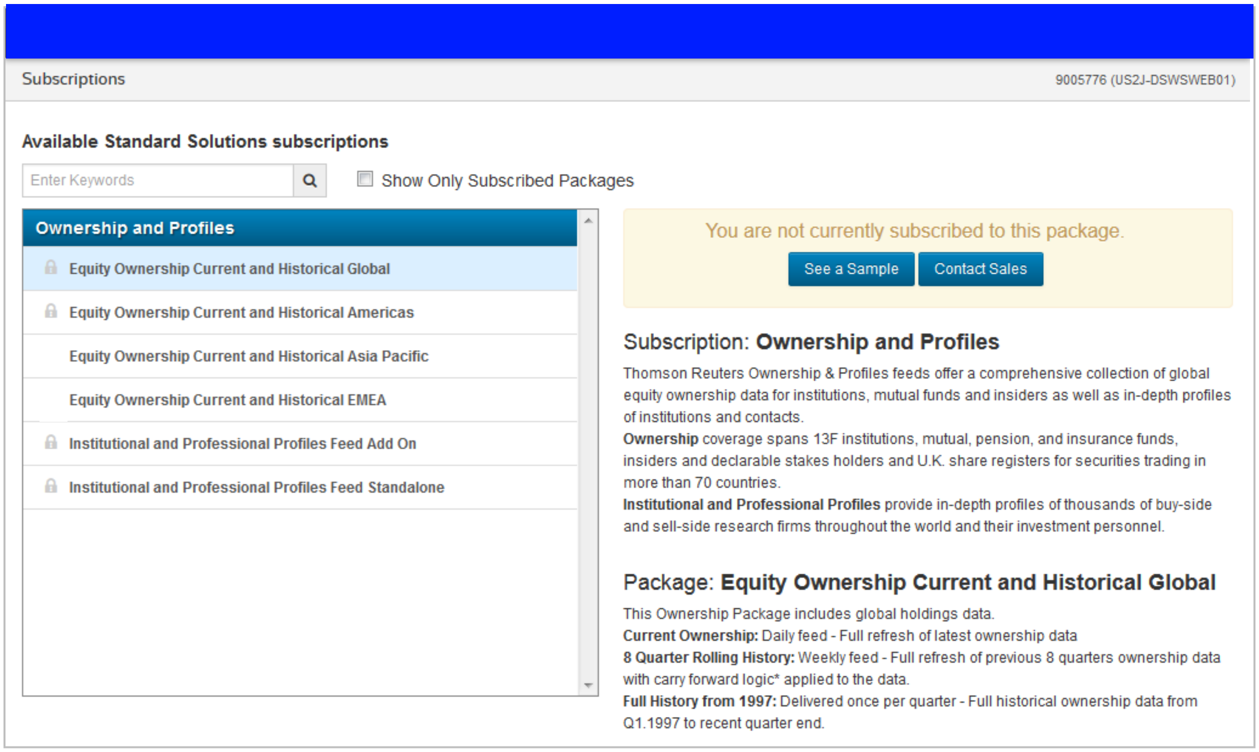
Available Subscriptions

The **Available Subscriptions** screen identifies all packaged content that is available for subscription. In this release, the following content is available:

Available Subscriptions	Description
Exchange/Venue Files	Standard venue reference data files generally required by Trading or Order Management systems.
FTSE DAR Reference Files	FTSE DAR Reference hourly and historical prices for the digital asset market.
Insider	Data on equity transactions by individuals and institutions classified as insiders in Asia, Canada, the UK and US markets.
Ownership and Profiles	Global equity ownership data for institutions, mutual funds and insiders as well as in-depth profiles of institutions and contacts.
Reference Data	Standard bulk reference data for Interfax Russian Financial Instruments Data, OA Chinese Language Data, QA Japanese Language Data and MACE Convertible Bond Data.
Regulatory Subscriptions	Regulatory and compliance services data for China, Iran & North Korea, Russia and Venezuela, as well as the EU,
Shareholding Disclosure	Shares, voting rights and reference data for monitoring and making disclosures on holdings.
Tick History Venue By Day	A day’s complete trading data on 250+ venues.
Tick History Venue Consolidated History	Entire back history of trading data on a venue.
Yield Book	Comprehensive proprietary set of Yield Book Fixed Income Analytical content for large universes of global government and corporate bonds, as well as US municipal bonds, updated daily.

The packages to which you are subscribed are identified without a lock. You can filter this content using the search box or by checking the **Show Only Subscribed Packages** box:

When you click on a package, the screen updates to show details about the subscription and selected package and whether you are subscribed to it. If you are not subscribed, selections for contacting Sales for subscription information and for viewing sample data are also provided. Details of the selected package include the frequency of files.



If you are interested in subscribing to the selected package, click **Contact Sales**. This action will create an email that you can submit to Refinitiv. Please complete the required fields before sending:

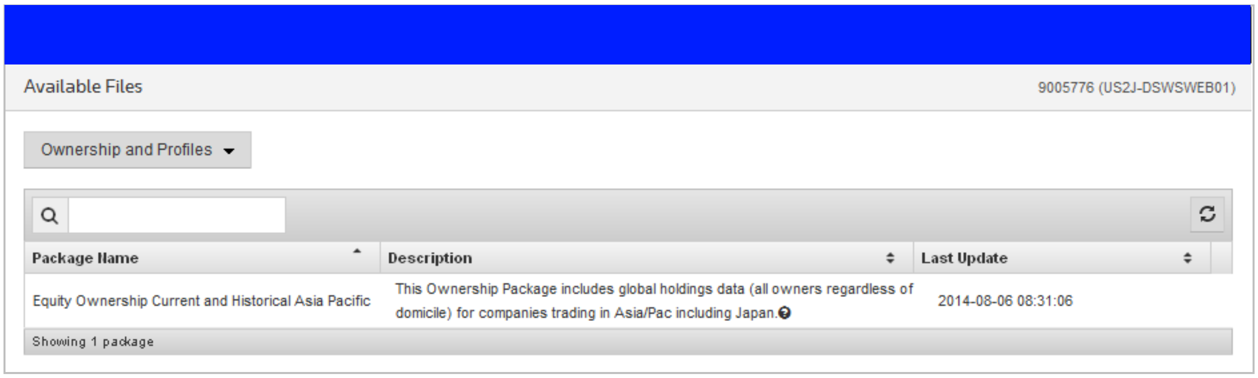
- Name
- Email
- Phone
- Company
- City
- Country
- Content Sets of Interest
- Optional Comments

NOTE: The Sample Site is no longer available and clicking **See a Sample** will result in a server error. To view sample data for any feeds package, contact your local account manager or sales specialist.

Available Files

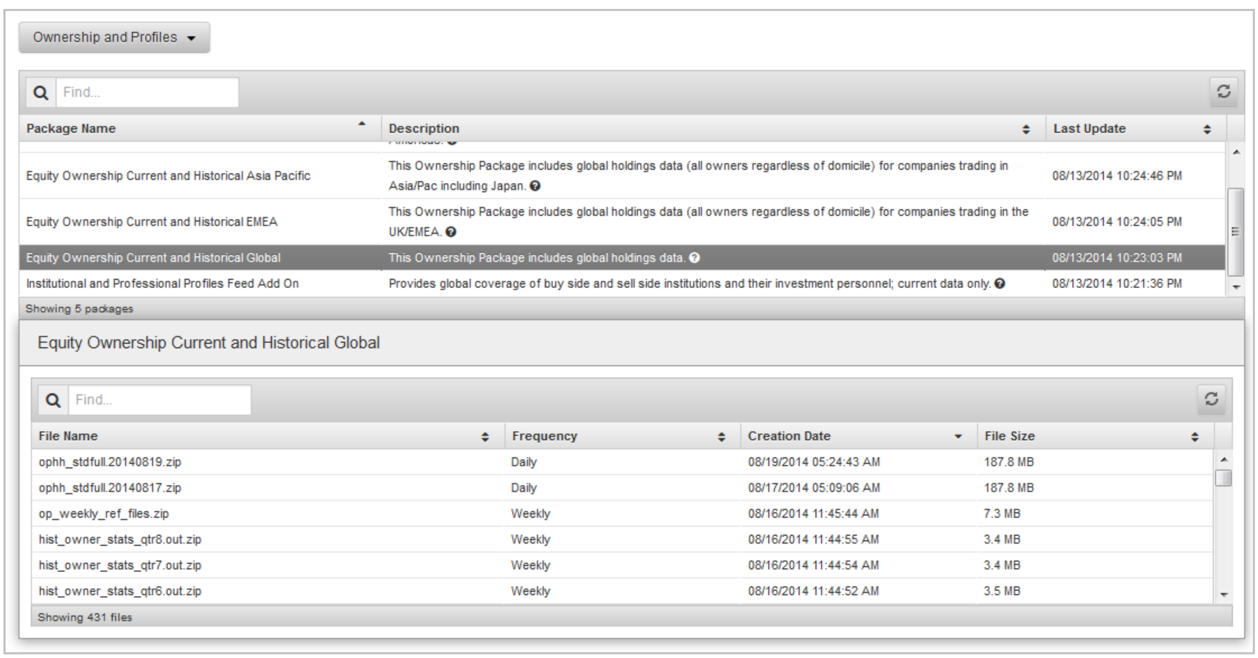
This screen lets you preview the current bulk files that have been generated for your subscription, which you can then download via FTP as described in the next section.

The available subscriptions appear in the drop-down at the top of the screen. The table identifies the package(s) in your selected subscription, provides a description of the package and identifies the date and time of the current file generated for the package:

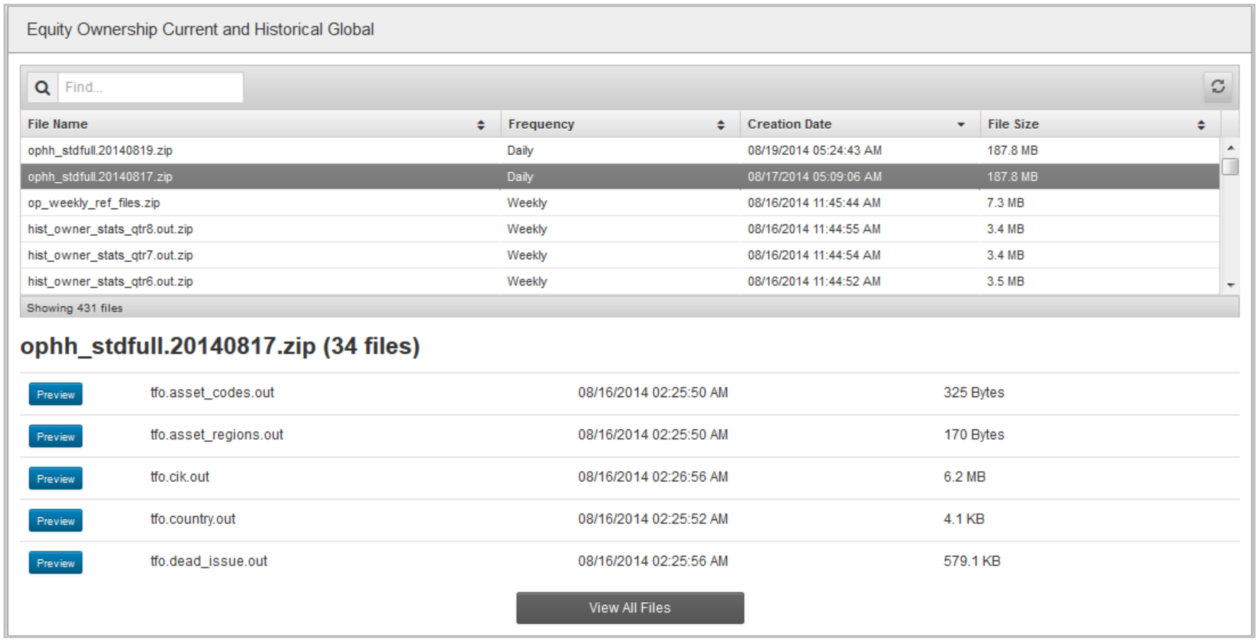


When you click on a package, the screen expands to show the current daily, weekly or quarterly compressed (zip) files generated for that package. You can sort the column headers by **File Name**, **Frequency, Creation Date** or **File Size**.

The number of files in the list is dependent on the frequency on which the files are generated. For example, for daily files, a week's worth of files is shown by default, while weekly and quarterly files are replaced when the next weekly or quarterly file is delivered.



When you click on a file, the screen expands to show the uncompressed files. Five files are shown by default, listed by **File Name**, **Creation Date** and **File Size**. Click **Preview** to view the first 100 lines of the selected file. If more than five files exist, you can click **View All Files** to view all of the uncompressed files in a separate window.



Retrieving Bulk Files

You can retrieve your bulk files from the DataScope Select FTP Server only. This is the same server that DataScope Select clients use to upload input lists, report templates and schedules and to download extractions. See the *DataScope Select FTP User Guide* for information.

The FTP directory structure contains a **Feeds** folder, which includes separate folders for each of your subscriptions. These folders contain sub-folders, organized by region and frequency, from where you can access your files: