



Nasdaq Calypso

Calypso Workstation

Version 18

Revision 2.0
August 2024
Approved

Copyright © August 2024, Nasdaq, Inc. All rights reserved.

All content in this document is owned, or licensed, by Nasdaq, Inc. or its affiliates ('Nasdaq'). Unauthorized use is prohibited without written permission of Nasdaq.

While reasonable efforts have been made to ensure that the contents of this document are accurate, the document is provided strictly "as is", and no warranties of accuracy are given concerning the contents of the information contained in this document, including any warranty that the document will be kept up to date. Nasdaq reserves the right to change details in this document without notice. To the extent permitted by law no liability (including liability to any person by reason of negligence) will be accepted by Nasdaq or its employees for any direct or indirect loss or damage caused by omissions from or inaccuracies in this document.

Document History

Revision	Published	Summary of Changes
1.0	February 2024	First revision for version 18.
2.0	August 2024	Updates for monthly release - Deprecation of Excel export.

The Calypso Workstation allows viewing risk results from risk reports processed by the risk servers: Presentation Server and Calculation Server.

Table of Contents

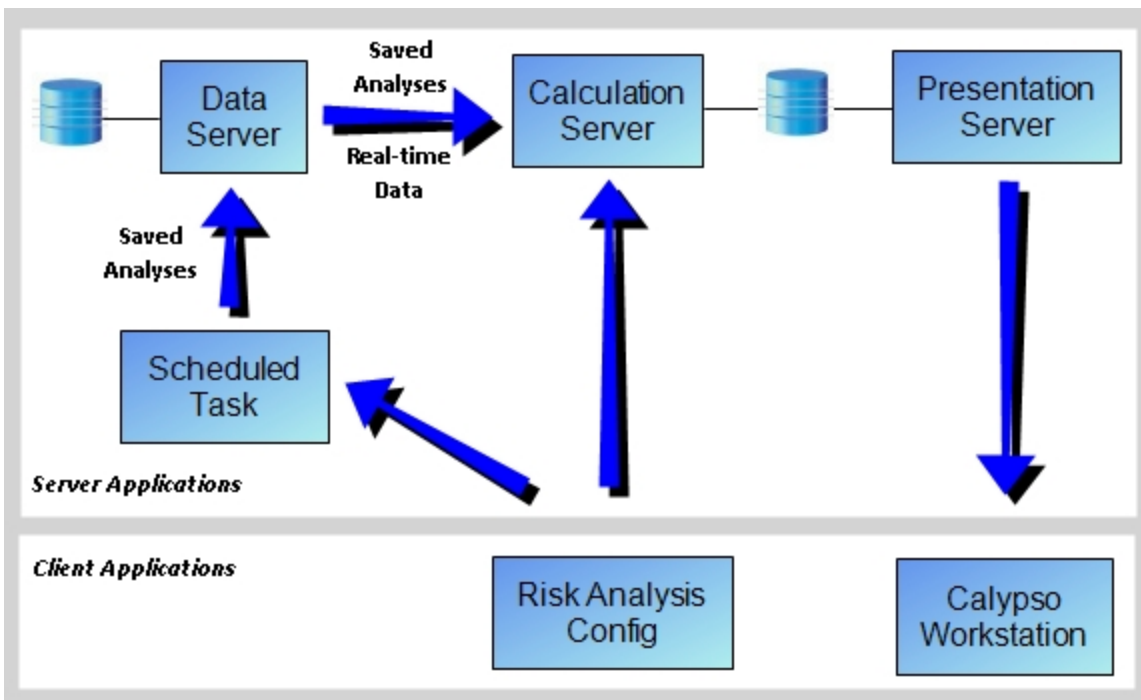
1. Overview	5
2. Computing Risk Reports	6
2.1 Adding Risk Reports to a Calculation Server	6
2.1.1 Adding Live Reports	7
2.1.2 Adding Saved Reports	9
2.2 Adding Risk Reports to a Presentation Server	10
3. Calypso Workstation Usage	12
3.1 General Usage	12
3.2 Adding a Report	14
3.2.1 Adding Folders	15
3.2.2 Adding Live Reports	15
3.2.3 Adding Saved Reports	16
3.3 Viewing Results	17
3.3.1 Viewing the Slice Control Bar	18
3.3.2 Viewing Report Details	19
3.3.3 Enabling / Disabling Live Updates	21
3.3.4 Refreshing Market Data	21
3.3.5 Exporting Reports	21
3.3.6 Configuring Report Plans	23
3.3.7 Managing Saved Report Plans	35
3.3.8 Adding Trade Action Buttons	36
3.3.9 Report Menu	37
3.4 Viewing Drill-down Details	38
3.4.1 Creating a Drill-down Report Plan	39
3.4.2 Managing Drill-down Report Plans	40
3.5 Running Reports on-the-fly	42
3.6 Setting Trade Speed Buttons	42
3.6.1 Configuring Trade Speed Buttons	43
3.6.2 Using Trade Speed Buttons	43
3.7 Setting Global Filters	43
3.8 Viewing Quotes	44
3.9 Viewing Market Data	45
3.10 Viewing Credit Market Data	45
3.11 Setting Preferences	45

3.12 Calypso Workstation - Workstation Menu	47
3.13 Calypso Workstation - Edit Menu	47
3.14 Calypso Workstation - Panel Menu	47
3.15 Calypso Workstation - Reports Menu	48
3.16 Calypso Workstation - Window Plan Menu	49
3.17 Calypso Workstation - Trade Menu	50

1. Overview

Viewing Risk Results

The Calculation Server runs risk reports in real-time, or retrieves saved results computed by the scheduled task RISK_ANALYSIS. The Presentation Server processes the results to display subsets of results to the users based on their preferences. The Calypso Workstation does not compute any result, it just displays a subset of results that the user is interested in.



The Presentation Server supports the risk reports defined in the domain "riskPresenter".

[NOTE: You cannot load risk results into the Calypso Workstation if the risk report has not been configured to run in a Calculation Server / Presentation Server and if the Calculation Server / Presentation Server is not running]

2. Computing Risk Reports

"Official" risk servers are required to run live risk reports - It allows sharing the results across multiple users.


"Adhoc" risk servers are required to run saved reports.

A risk server is a combination of a Calculation Server, a Presentation Server, and a Market Data Server.

- The Calculation Server computes the results, or retrieves saved results from the scheduled task RISK_ANALYSIS. It also retrieves saved results from the scheduled task EOD_OFFICIALPL for the OfficialPL report.
- The Presentation Server processes the results to display subsets of results to the users based on their preferences.
- The Market Data Server retrieves market data from feed sources.

► Please refer to the *Calypso Installation Guide* for details on setting up and running risk servers.

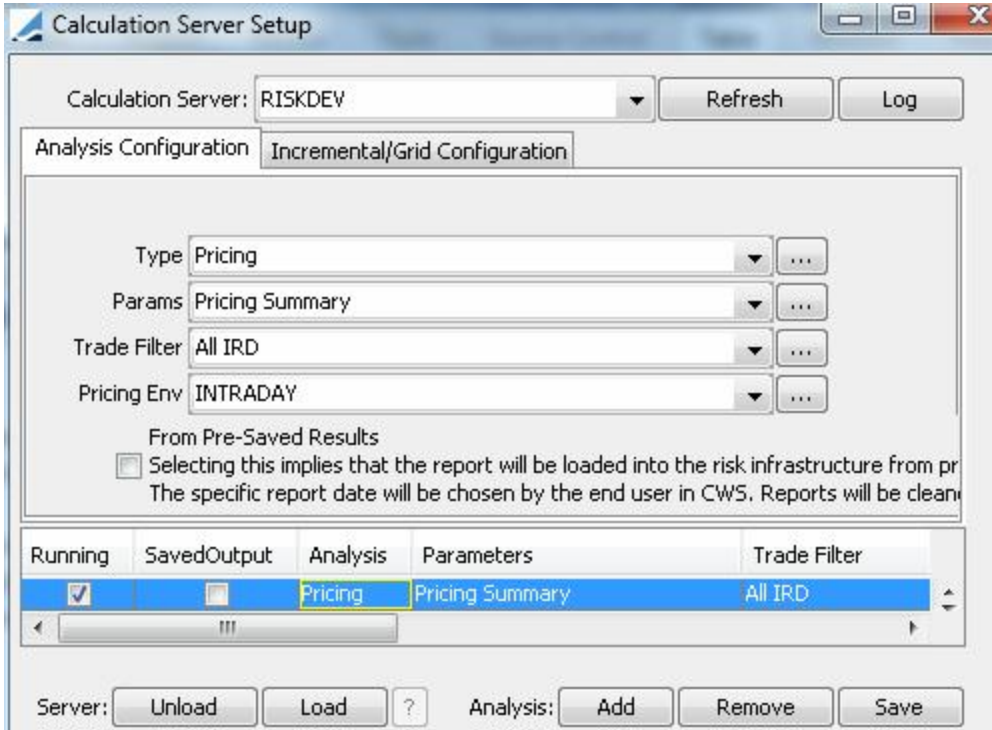
The risk reports to be computed are added to a risk server, and the results are viewed in the Calypso Workstation.

 **[NOTE: In the Calypso Workstation, you will only view results that are computed by the risk report as defined in the parameters of the risk report]**

Adding a risk report to a risk server requires adding the risk report to a Calculation Server and to a Presentation Server.

2.1 Adding Risk Reports to a Calculation Server

From the Calypso Navigator, navigate to **Configuration > Reporting & Risk > Calculation Server** to define which risk report to run on a Calculation Server.




Sample Calculation Server configuration


- » Select a Calculation Server from the Calculation Server field, then add risk reports to the selected Calculation Server as described below.

2.1.1 Adding Live Reports

Analysis Configuration Panel

Select a report type, a set of parameters, a trade filter, and a pricing environment. For each component, you can click  to define additional components.

- Refer to Calypso Risk Analyses documentation for information on setting up risk report parameters.

 **[NOTE: SQL Trade Filters are not supported for live reports. In general, it is recommended to use custom criteria instead of SQL Trade Filters]**

Incremental/Grid Configuration Panel

You can select what types of real-time updates you want to subscribe to.

Analysis Configuration		Incremental/Grid Configuration	
Event processing:	<input checked="" type="checkbox"/> Mkt...	1800	seconds ? 6 seconds ?
	<input checked="" type="checkbox"/> Trade	10	seconds
Market Data Server:	[MktDataServer] RISKDEV		
Dispatcher config:	NONE	Job priority	100
<input type="checkbox"/> Stop service if no client connected?			

- » Check MktData to subscribe to market data updates. You need to select the Market Data Server that will provide the real-time market data. Enter the update frequency in the adjacent field and the catch-up period in the following field. See setup considerations below for details.

The minimum update frequency is 30 minutes (1800 seconds).

The catch-up period corresponds to the time allocated after the market data update to revalue trades that were added during the market data update.

- » Check the Trade checkbox to subscribe to trade updates. Enter the update frequency in the adjacent field. See setup considerations below for details.

The minimum update frequency is 10 seconds.

- » You can also select a dispatcher configuration if needed.

[Note: It is recommended to work without the use of the dispatcher for the Forward Ladder Analysis.]

► Refer to the *Calypso Installation Guide* for information on setting up distributed processing.

- » If “Stop service if no client connected?” is checked, the risk service will stop as soon as the last user closes their viewer. Otherwise the risk service will continue running in the background so that the results will be available immediately the next time a user wants to see them.
- » Then click **Add** and **Save**.

[NOTE: If you do not save the setup, you will not be able to run the risk report in the Calculation Server]

Update Frequency - Setup Considerations

You need to set the update frequency carefully, taking into account the execution time of the risk report. The update frequency of both the market data and the trades should be superior to the time it takes to compute the report. Market data are received by the Calculation Server from the Market Data Server and it can only get them as fast as the Market Data Server is configured to generate them. Quotes are transmitted based on the base frequency of the Market Data Server.

Example: You have MktData refresh set to 30 mins and Trade refresh set to 60 seconds. If the report takes 10 minutes to run, every 30 minutes you will get updated market data, and during the 10 minutes that it takes to compute the report, trade updates will not be taken into account. In other words, two incremental updates will not happen concurrently. In the same example, if a lot of trades are suddenly received and the trade related update is not completed in 60 sec, the next update will wait and be kicked off only after the previous update is finished.

[NOTE: Incremental updates are not supported when the liquidation engine is configured to run in BATCH_LIQUIDATION mode]

Log Category "PLPositionUtil" can be added to Calculation Server logs to monitor PLPosition rebuild in incremental updates.

Loading Live Reports

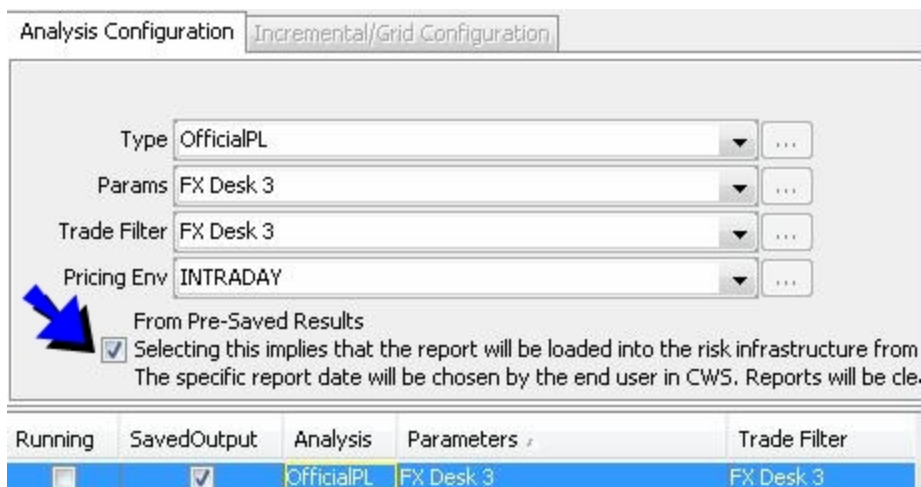
It is important to note that live reports are usually restarted after the end of the day so as to do a complete revaluation based on the new date. The scheduled task LOAD_CALCULATIONSERVER can be used to restart all the reports for a given Calculation Server.

2.1.2 Adding Saved Reports

[NOTE: For reports saved prior to release 11.1, you cannot use this approach, you can view the results using [Position & Risk > Database Reports](#) only]

Analysis Configuration Panel

Check "From Pre-Saved Results", and select a report type, a set of parameters, a trade filter and a pricing environment. The actual report will be selected from the Calypso Workstation. For each component, you can click **...** to define additional components.



Running	SavedOutput	Analysis	Parameters	Trade Filter
<input type="checkbox"/>	<input checked="" type="checkbox"/>	OfficialPL	FX Desk 3	FX Desk 3

» Then click **Add** and **Save**.

[NOTE: If you do not save the setup, you will not be able to run the risk report in the Calculation Server]

Incremental/Grid Configuration Panel

Not applicable, there is no incremental updates for saved results - You need to rerun the scheduled task RISK_ANALYSIS. In the Calypso Workstation, you can choose to always load the latest report, or a specific report.

Loading Saved Reports

In the Calypso Workstation, you can choose to always load the latest report, or a specific report. The Calypso Workstation takes care of loading the appropriate report.

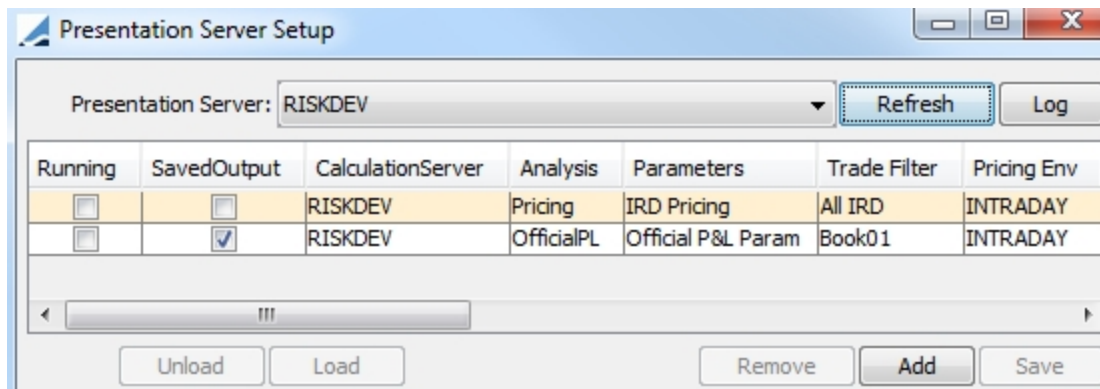
Unused saved reports can be unloaded from the Calculation Server using the scheduled task UNLOAD_SAVED_CALCULATIONSERVER.

You can also use the scheduled task LOAD_SAVED_CALCULATIONSERVER to pre-load the latest version of saved reports.

2.2 Adding Risk Reports to a Presentation Server

[NOTE: This step is optional - You can manually add a risk report to a Presentation Server, or it will be automatically added when you select the risk report in the Calypso Workstation]

From the Calypso Navigator, navigate to **Configuration > Reporting & Risk > Presentation Server** to select which reports to process on a Presentation Server.



Running	SavedOutput	CalculationServer	Analysis	Parameters	Trade Filter	Pricing Env
<input type="checkbox"/>	<input type="checkbox"/>	RISKDEV	Pricing	IRD Pricing	All IRD	INTRADAY
<input type="checkbox"/>	<input checked="" type="checkbox"/>	RISKDEV	OfficialPL	Official P&L Param	Book01	INTRADAY

Sample Presentation Server configuration

- » Select a Presentation Server from the Presentation Server field.
- » Click **Add**. You will be prompted to select a Calculation Server and a report.
- » Then click **Save** to save the configuration.

[NOTE: If you do not save the setup, you will not be able to run the risk report in the Presentation Server]

What's Next?

The next step is to view the results using the Calypso Workstation.

► See [Calypso Workstation Usage](#) for details.

3. Calypso Workstation Usage

The Calypso Workstation allows viewing risk results from risk reports processed by the risk servers: Presentation Server and Calculation Server.

"Official" risk servers should be running to compute live reports; they should have a configuration that indicates which risk reports they need to compute.

"Adhoc" risk servers should be running to load saved reports; they should have a configuration that indicates which risk reports they need to load.

► See [Computing Risk Reports](#) for details on adding risk reports to risk servers.

Contents

- [General Usage](#)
- [Adding a Report](#)
- [Viewing Results](#)
- [Viewing Drill Down Details](#)
- [Running Reports on-the-fly](#)
- [Setting Trade Speed Buttons](#)
- [Setting Global Filters](#)
- [Viewing Quotes](#)
- [Viewing Market Data](#)
- [Viewing Credit Market Data](#)
- [Setting Preferences](#)
- [Calypso Workstation - Workstation Menu](#)
- [Calypso Workstation - Edit Menu](#)
- [Calypso Workstation - Panel Menu](#)
- [Calypso Workstation - Reports Menu](#)
- [Calypso Workstation - Window Plan Menu](#)
- [Calypso Workstation - Trade Menu](#)

3.1 General Usage

Click **Workstation** in the Calypso Navigator to open the Calypso Workstation.

When you open the Calypso Workstation, it displays by default the reports that were previously open upon closing.

The first time, however, it will be empty.

Calypso Workstation [16221002/CAL161/calypso_user]

Workstation Edit Panel Reports Window Plan Trade Help

Report Collection

Type here to filter reports

CWS

Risk Pricing

Workstation Settings

Stripes Updates

A B ☒ Zebra St

Sample

1 2 3 4 5 6 7 8 9 1

1

2

Risk Pricing

CounterParty All

Trade Currency	Product Description	NOTIONAL [BASE]
EUR	PositionCash/EUR/FXForward/PRINCIPAL	0
EUR		0
USD	PositionCash/USD/FXForward/PRINCIPAL	0
USD	BondT 4 1/2 08/15/39/30Y/08/15/2039/4.5%	450,000
USD	Equity.AMZN	412,500
USD	PositionCash/USD/Swap/INTEREST	0
USD	PositionCash/USD/FXForward/COMMISSION	0
USD	PositionCash/USD/Equity/COMMISSION	0
USD	PositionCash/USD/Swap/COMMISSION	0
USD	PositionCash/USD/Equity/PRINCIPAL	0
USD	Swap/03/30/2020/P:USD 1.25000 /R:USD/LIBOR/3M	10,000,000
USD	Swap/03/30/2019/P:USD 1.32000 /R:USD/LIBOR/3M	800,000

Messages Detail Calculation Status

Fri Nov 04 12:07:43 PDT 2022

No messages

Risk Pricing Valuation 11/4/22 12:02:49.541 PM PDT Freq 1800 sec Trade Freq 60 sec

Sample Calypso Workstation

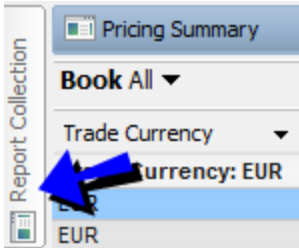
The Calypso Workstation shows the following windows:

You can choose which window to display or hide from the Panel menu, and save the layout of the window from the Window Plan menu.

- "Report Collection" - To add / remove / load reports to the Calypso Workstation – Each report has a user-defined name.
- A panel for each report that displays the report's results – The panel's name is the report's user-defined name.
- "Drilldown" - To drill-down to a detailed report for a given cell - It requires the setup of a drill-down report plan using [≡ > Create New Drilldown](#), and associating the drill-down report plan with the selected pivot / summary view.
- "Market Data" - To show market data for live reports.
- "Credit Market Data" - To show credit market data for live reports.
- "Quotes" - To show real-time quotes for live reports.
- "On Demand Analysis" - To access risk speed buttons to run risk reports on-the-fly.
- "Quick Trade" - To access trade speed buttons to capture trades.
- "Global Filters" - To define global filters on the reports.
- "CWS Settings" - To set general preferences.

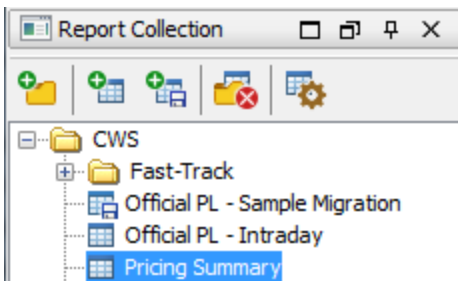
All of these windows are described below in details.

You can hide a window by clicking . It will appear as a tab on the left-hand side:



Hidden window

To bring it back, select the tab and click .



Open window

To close a window, click .


You can also use the Panel menu to open and close windows.

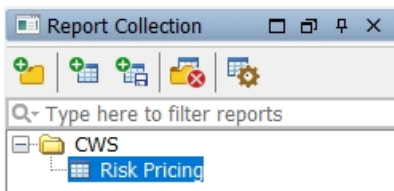
3.2 Adding a Report

You can add the reports you want to display to the “Report Collection” window.

Note that only risk reports configured to run in risk servers can be added to the Calypso Workstation.

► See [Computing Risk Reports](#) for details.


You can use the search bar to search existing reports. If you click the down arrow next to the search icon  to specify search criteria as needed.



Report Collection window


3.2.1 Adding Folders



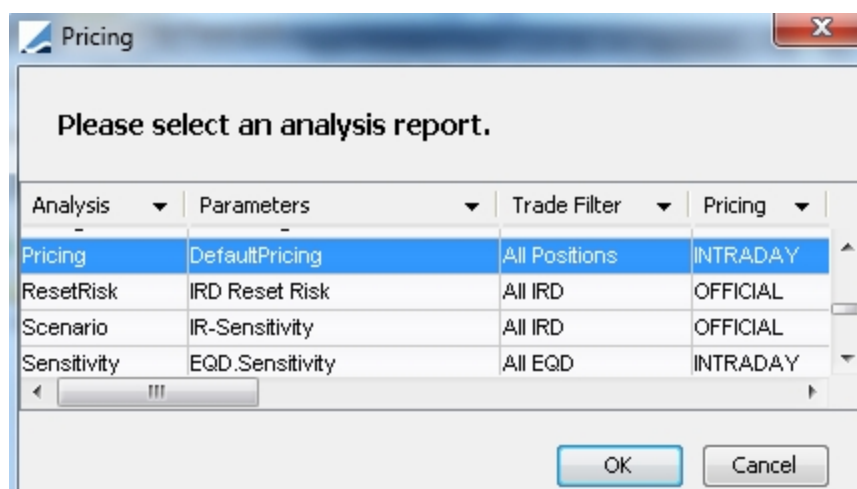
You can organize reports into folders. Select the root level or any existing folder, and click  to add a new folder. You will be prompted to enter a folder name.

3.2.2 Adding Live Reports




Select the root level or any existing folder, and click . You will be prompted to enter a name – This name is for the purposes of the Calypso Workstation only.

» You will be prompted to select which report you want to display.



All the reports displayed here are configured in a Calculation Server.

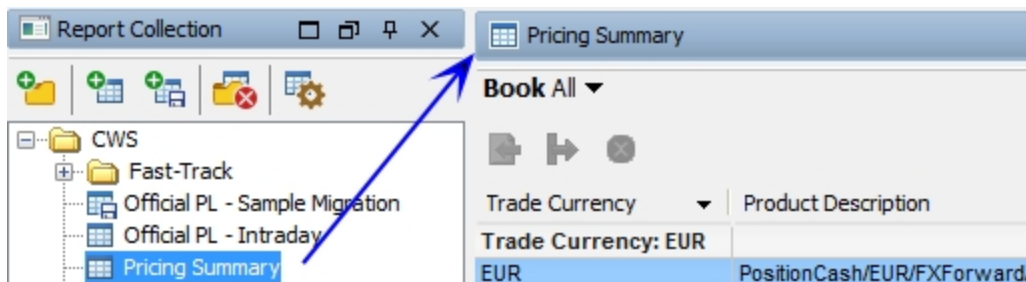
Select a report and click **OK**.

Once a report has been added to the Report Collection window, you can select it and click  if you want to change anything.

» The first time a report is added, you will be prompted to select a report plan if a report plan exists for this type of report. Otherwise, you will be prompted to configure a report plan (columns, filtering, sort order, etc.).


► See [Configuring Report Plans](#) for details.

The report results are then displayed in a panel on the right-hand side of the Calypso Workstation.

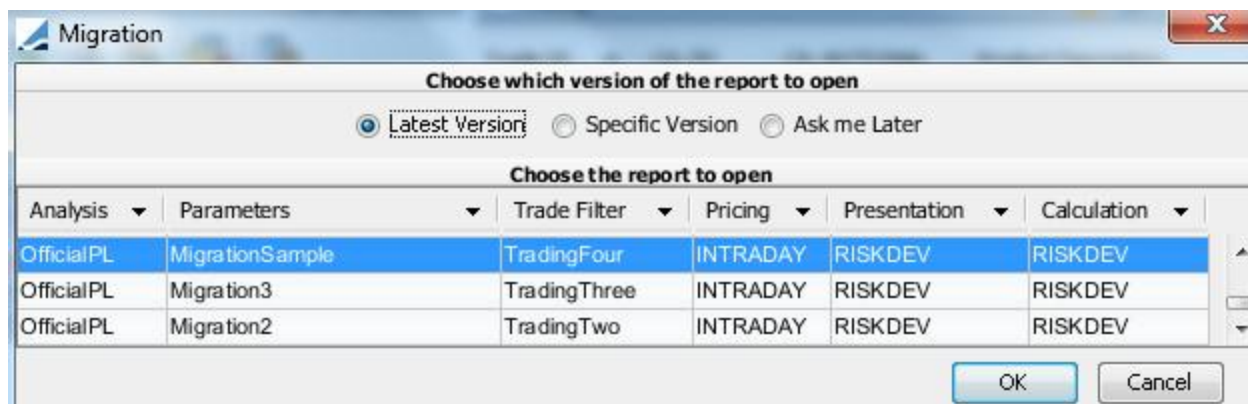


3.2.3 Adding Saved Reports



Select the root level or any existing folder, and click . You will be prompted to enter a name – This name is for the purposes of the Calypso Workstation only.

- » You will be prompted to select which saved report you want to display.




All the reports displayed here are configured in a Calculation Server.

Select a report and choose the version of the report to be displayed:

- Latest Version - Always displays the latest results saved for the report.
- Specific Version - Displays specific saved results. You will be prompted to select the date and time of the saved results.
- Ask me Later - No results are displayed - When you open the report, you will be prompted to select the date and time of the saved results.

Then click **OK**.

Once a report has been added to the Report Collection window, you can select it and click  if you want to change anything.

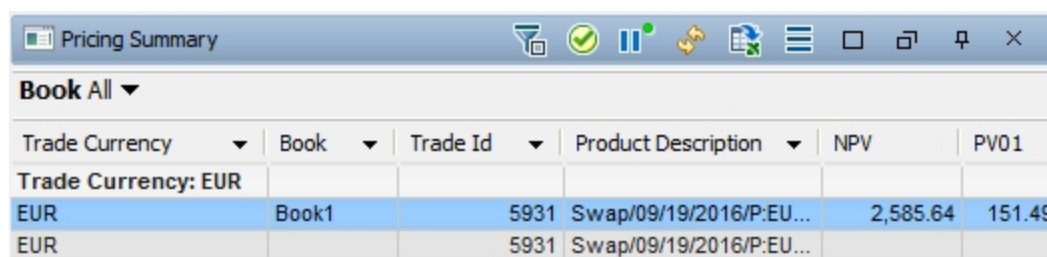
- » The first time a report is added, you will be prompted to select a report plan if a report plan exists for this type of report. Otherwise, you will be prompted to configure a report plan (columns, filtering, sort order, etc.).

► See [Configuring Report Plans](#) for details.

The report results are then displayed in a panel on the right-hand side of the Calypso Workstation.

3.3 Viewing Results

If the results of a report are not displayed, double-click the report in the Report Collection window to load the corresponding results in a result panel.



Trade Currency	Book	Trade Id	Product Description	NPV	PV01
Trade Currency: EUR					
EUR	Book1	5931	Swap/09/19/2016/P:EU...	2,585.64	151.49
EUR		5931	Swap/09/19/2016/P:EU...		

Sample report result panel


Once the results are displayed, a number of menus and functions become available. They are described below.

If no report plan is associated with the report, you will be prompted to select a report plan if a report plan exists for this type of report. Otherwise, you will be prompted to configure a report plan.

You can always adjust the display later using  > **Configure Report Plan**.

In Simple view, you can click a column heading to set local filters.

The Messages window will appear in case of error while loading the report results.

 **[NOTE: You can only view results that are computed by the risk reports as defined in the parameters of the risk reports]**

If the risk server fails before the Calypso Workstation opens a report, the report fails to open, and an error is displayed in the report results.

If the risk server goes offline after the Calypso Workstation has displayed the results, an error message is displayed, and the **Reconnect** button allows the user to reconnect to the risk server.

Suspended: Presentation Server unavailable Reconnect							
Analysis Type	Parameters	Trade Filter	Pricing Environment	Presentation Server	Calculation Server	Market Data Server	Real-Time Update MDS
Pricing	IRD Pricing	All IRD	INTRADAY	RISKDEV	RISKDEV	RISKDEV	

Most user actions are disabled when the risk servers are offline and the remaining actions are sometimes ignored if they depend upon unavailable functionality.

3.3.1 Viewing the Slice Control Bar



If the report has been configured with slices, click  to display / hide the slice control bar.

Pricing Summary			
Book All ▼	Trade Currency All ▼		
Trade Currency ▼	Book ▼	Trade Id ▼	Product Description
Trade Currency: EUR			
EUR	Book1	5931	Swap/09/19/2016/P:EUR

When you click the down arrow of a given slice ▼, you can select which values to display:

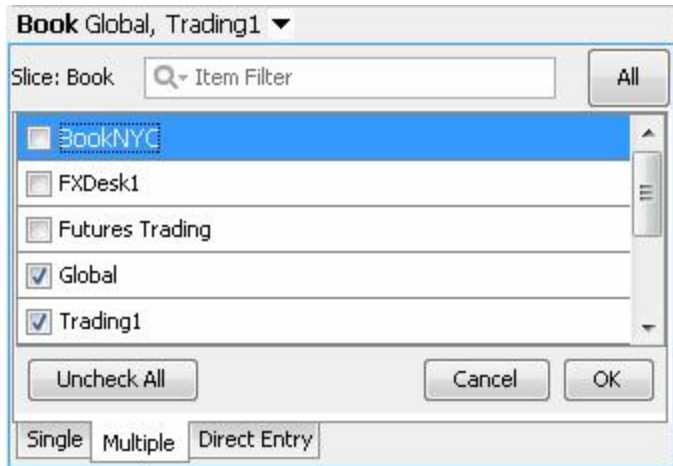
Book Global ▼

Slice: Book All

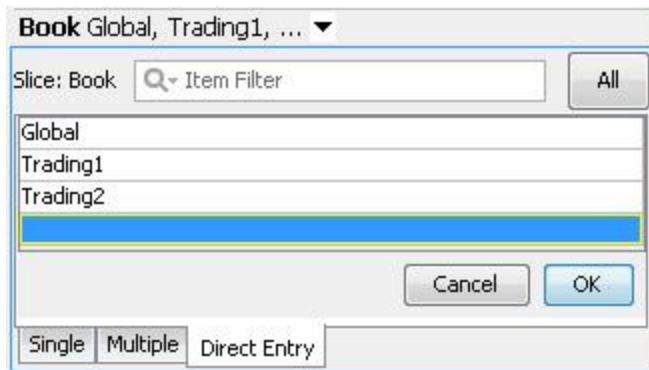
BookNYC
 FXDesk1
 Futures Trading
Global
 Trading1

Single Multiple Direct Entry

- Single - To select a single value.
- Multiple - To select multiple values.




- Direct Entry - To type in the values. You can also paste values copied from an Excel spreadsheet.



At any time, you can click **All** to select all values.

3.3.2 Viewing Report Details

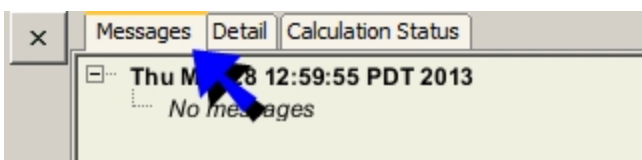


In the toolbar of the report result panel, click  to view details about the report.

This icon will appear as  instead for warning messages, or  for error messages.

Messages Panel

Select the Messages panel to view any error message if any.



Error messages

Detail Panel

Select the Detail panel to view configuration details about the report.

×

Messages

Detail

Calculation Status

Configuration

Analysis Type	Parameters	Trade Filter	Pricing Environment	Presentation Server	Calculation Server	Market Data Server
Pricing	IRD Pricing	All IRD	INTRADAY	RISKDEV	RISKDEV	RISKDEV

Report configuration details

Calculation Status Panel


Select the Calculation Status panel to view statistics about the Calculation Server, and real-time data information: trade updates, market data updates, market data catch-up updates.

This panel only applies to live reports.

Messages

Detail


Calculation Status




Current Run	No Data Received				Last Run	8/22/14 12:56:46.132 PM PDT		
	Updated	0 trades	Status	Idle...		Updated	1 trades	Duration 00:00:00.203
Next Run	8/22/14 12:57:47.351 PM PDT				Initial Run	8/22/14 12:48:27.207 PM PDT		
	Updated	1 trades	Type	Market Data Update		Updated	24 trades	Duration 00:00:12.346

Calculation Server statistics

Click  to view current data about the Calculation Server.



- Current Run - Shows updates currently being processed by the Calculation Server. To see data in this section, you would need to click  as the Calculation Server is processing an update.
- Last Run - Shows the last update that has been processed. It only shows one update at a time.
- Next Run - Shows the update that is scheduled right after the last run.

For example, the Calculation Server just processed a trade update and there is a market data update waiting to be processed. When you click , the trade update will appear in Last Run, and the market data update will appear in Next Run.

- Initial Run - Shows the number of trades and the duration of the computation when the report is first open.

3.3.3 Enabling / Disabling Live Updates



For a live report, you can resume / freeze trade and market data updates using the icons  (resume updates) and  (freeze updates).

By default, the trade and market data updates are enabled, so you see the  icon.

The trade and market data updates trigger the computation of the report at the frequency specified in the Calculation Server configuration. You can select the Calculation Status panel in the report details to view if any update has occurred.

► See [Viewing Report Details](#) for details.


You can also specify colors in the CWS Settings to highlight updates in the results.

Trade Currency	Book	Trade Id	CA_PW	CA_NOTIONAL	Product Description
Trade Currency: USD Book: Global					
USD	Global	4436	456,435.00	450,000.00	BondT 4 1/2 08/15/39/30
USD	Global	7430	0.00	0.00	Sell Protection 3.00-7.00
USD	Global	7930	0.00	10,000,000.00	Sell Protection on IDX.13
USD	Global	4447	-4,798.81	1,000,000.00	Swap/04/02/2015/P:USD




► See [Setting Preferences](#) for details.

3.3.4 Refreshing Market Data



For a live report, you can refresh market data using the  icon to force the computation of the report at any time during the real-time update period. The process is as follows:

Say your real-time updates are configured to be processed every 20 minutes, or real-time updates are frozen. There is a market data update 5 minutes after the last run, and you want to see how it impacts your results.

In this case, you need to click  to freeze the real-time updates (if they are not already frozen), then click  to request the computation of the report with the updates. And finally, click  to view the actual results as soon as the computation is complete.

 **[NOTE: The "refresh" function requires the access permission OnDemandMktDataRefresh]**

3.3.5 Exporting Reports




In the toolbar of the report result panel, click  to export the report to one of the formats described below.

When exporting a report, the report plan is only used for the following information:


- Ordered column list and column names
- Layout: simple, aggregation, hierarchy, pivot, or summary.
- Filters
- Sort order
- Data grouping (slices, headings)

The report plan is NOT used for column settings (color, format, number of decimals), and coloring rules.

 **[NOTE: The character encoding defaults to UTF-8 – You need to set the environment property DOCUMENT_CHAR_ENCODING to a different value to use a different character encoding. It is however recommended to use UTF-8]**

You can also export multiple reports at a time using [Reports > Export Reports](#).

► See [Calypso Workstation - Reports Menu](#) for details.

Menu Items	Description
Excel	<p>Only available if domain "ENABLE_DEPRECATED_EXCEL_EXPORT" contains Value = true. To export the results to an Excel spreadsheet (.xls format).</p> <p> [NOTE: You need to set the environment property USE_JIDE_PIVOT_GRID to true to export a pivot view as a pivot view – Otherwise it will be exported as a simple view]</p> <p>When exporting a report to Excel, the report plan is also used for the following:</p> <ul style="list-style-type: none"> • Numeric values ignore the decimal precision set by the report when the report plan specifies a compatible numeric format. • Date-time values use the report plan format. <p>If a cell does not format, it commonly means that the cell contains a text or price value instead of a numeric value.</p> <p>Pivot row and column header values do not support formatting in general due to data structure limitations.</p> <p>Excel will not show full precision or () negative formats in some cases even though the file has the correct data. The user is advised to set the cell formats within Excel to match the file precision immediately after opening an Excel exported file.</p>
ExcelX (2007)	To export the results to an Excel spreadsheet (.xlsx format).
CSV	To export the results to a text file.
HTML	To export the results to an HTML page.
PDF	To export the results to a PDF file.

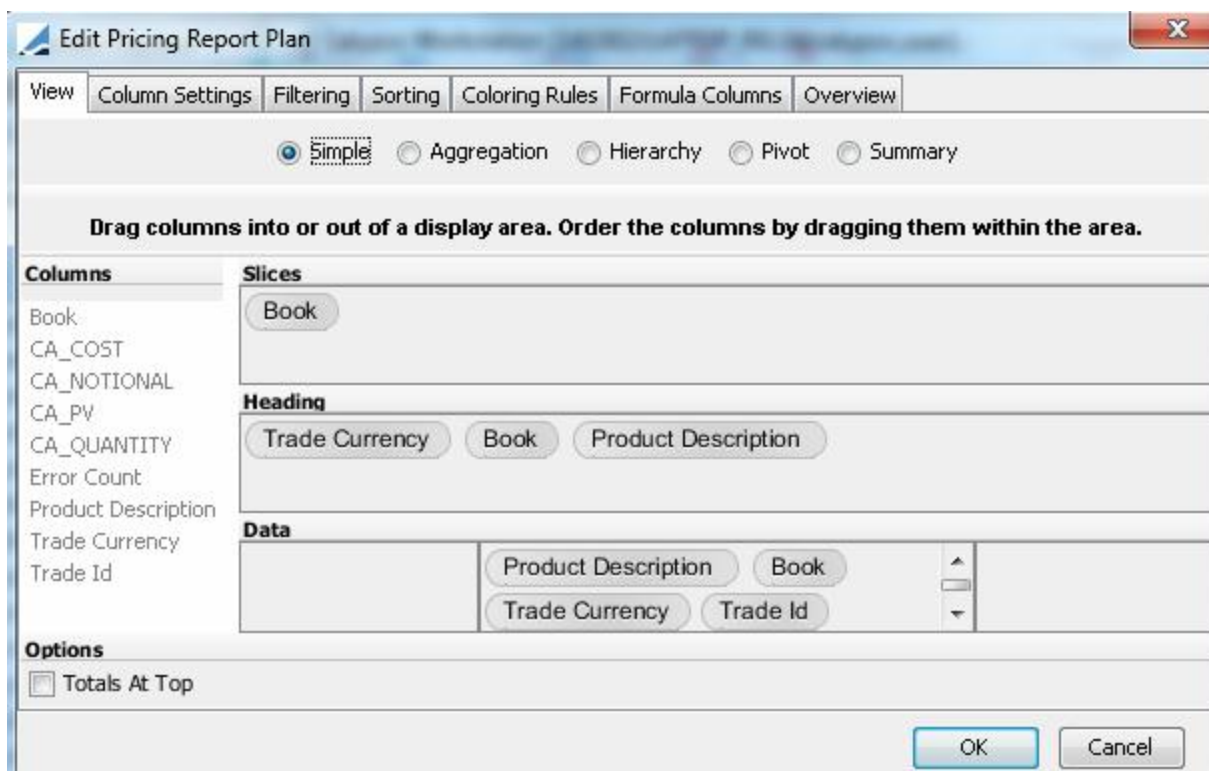
Menu Items	Description
	<p>You can use the environment property PDF_DOCUMENT_FONT to set the font name to be used for PDF generation. Default is Helvetica.</p> <p>Please refer to Calypso Environment Properties documentation for details.</p>

3.3.6 Configuring Report Plans




A report plan determines which columns to display and how.

Select a report result panel and choose  > **Configure Report Plan** to configure the results.



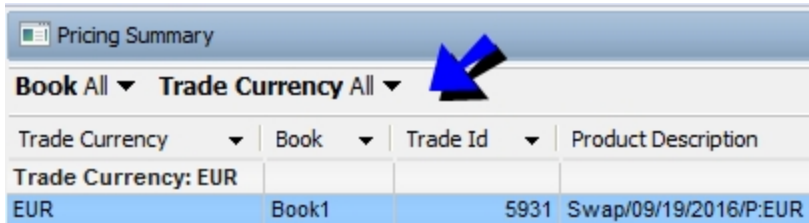
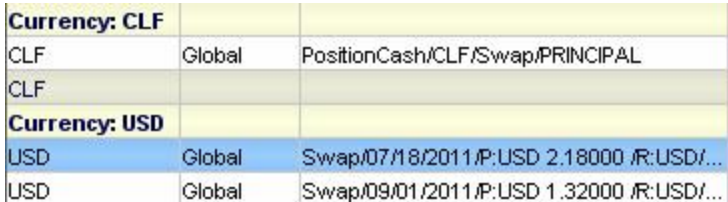
Sample Report Plan



- » Configure the various panels described below as needed then click **OK** when you are done. The report results will load / reload to reflect the settings.
- » If you are modifying an existing report plan, you can choose  > **Save Report Plan** to save your changes.




View Panel

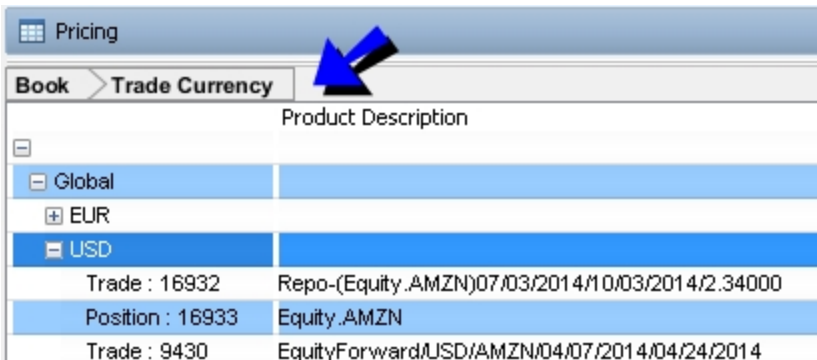
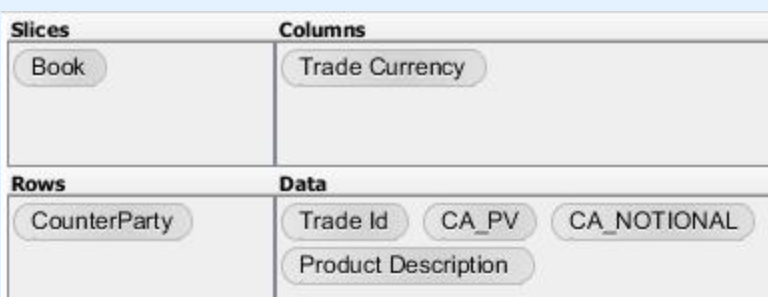
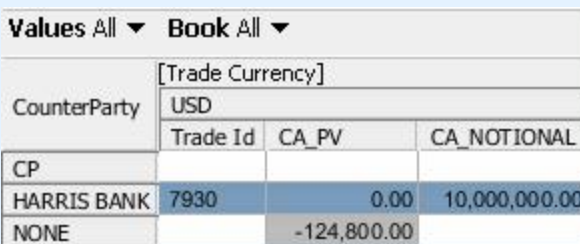
The View panel is selected by default.



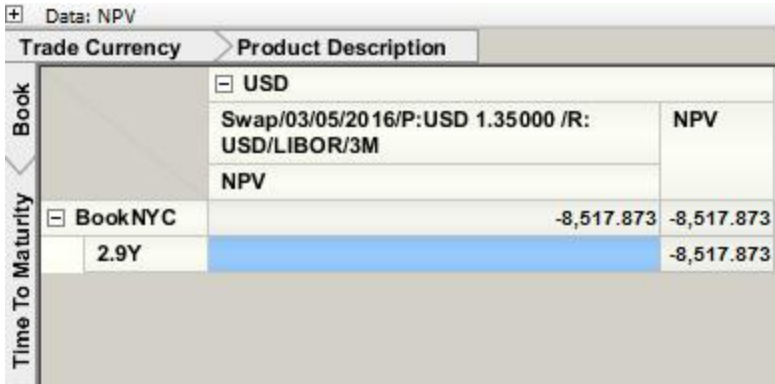
Select the type of view: Simple, Aggregation, Hierarchy (Official P&L and Forward Ladder only), Pivot, or Summary.
For the Official P&L report, you can only select Simple or Hierarchy.


Type of View	Description
Simple	<p>The Simple view allows displaying rows and columns in tabular format.</p> <p>Drag columns from the Columns area and drop them into the Slices area, Heading area, and Data area as needed.</p> <p>The order of the columns can be changed by simply moving them in their display area.</p> <p>To remove a column from a display area, drag it and drop it back into the Columns area.</p> <p>Columns that are not yet selected appear highlighted.</p> <p>Slices</p> <p>A Slice is a page filter in the report. Data such as Book, Product Description, and Trade Status can be set up as slices.</p> <p>Once slices are set up in any active view, they display as follows at the top of the report.</p>  <p>You can display all the values of a slice, or select one or multiple values.</p> <p>The slices options in the drop-down menu are obtained from the Presentation Server. Thus, the slices list is always up-to-date. Because of this, there might be a small delay in displaying the contents of the slices.</p> <p>► See Viewing the Slice Control Bar for details on manipulating slices.</p> <p>Headings</p> <p>Headings allow grouping rows in the report.</p>  <p>Data</p> <p>Data are the actual columns displayed in the report results.</p> <p>The Data area contains three sections in Simple view, Aggregation view, and Hierarchy view:</p>

Type of View	Description
	<ul style="list-style-type: none"> Data placed in the first section freeze when scrolling. They are also referred to as fixed columns. Data placed in the middle section are scrollable. Data placed in the last section freeze when scrolling. They are also referred to as fixed columns.  <p>When fixed columns overlap each other in Aggregation view or Hierarchy view, flickering will occur. Fixed columns are designed for use with a few columns only.</p> <p>However, you can resize the columns to prevent flickering.</p> <p>You can also use the option to automatically resize the columns to prevent flickering,  Automatic Column Width.</p> <p>Options</p> <p>At the bottom-left of the window, you can check "Totals At Top" to display the total row at the top of the report instead of the bottom.</p> <p>Note that this only applies to totals, not to subtotals.</p>
Aggregation	<p>The Aggregation view allows aggregating rows based on user-defined criteria.</p> <p>Drag columns from the Columns area and drop them into the Slices area, Aggregation area, and Data area as needed.</p>

Type of View	Description
	<div data-bbox="402 302 1292 737" data-label="Image">  </div> <p>These areas are described above for the Simple view.</p> <p>Aggregations</p> <p>Aggregations are similar to headings in the sense that they allow grouping rows. The difference is in the display. Each aggregation level is collapsed by default, and you have to expand it to view its details.</p> <p>You can select a level and hit "*" to expand all the sub-levels.</p> <p>You can also choose  > Show View Controls to display a set of controls that allow expanding / collapsing the aggregations at various levels.</p> <div data-bbox="402 1125 1153 1491" data-label="Image">  </div>
Hierarchy	<p>Only available for the Official P&L report and Forward Ladder report.</p> <p>The Hierarchy view is like the Aggregation view with the addition of a navigation bar in the display.</p>

Type of View	Description
	 <p>You can expand / collapse the various levels using the navigation bar.</p>
Pivot	<p>The Pivot view allows aggregating rows and columns based on user-defined criteria. Drag columns from the Columns area and drop them into the Slices area, Columns area, Rows area, and Data area as needed.</p>  <p>The Data are displayed in rows and are aggregated by Columns and Rows.</p>  <p>Options</p> <p>Additional settings are available on Pivot views - You can check any of the following as needed:</p> <ul style="list-style-type: none"> Data In Columns - In that case, the Data are displayed in columns and are aggregated by Columns and Rows. Row Totals - To give a grand total for each column. Row Subtotals - To give a total for each column at each aggregation level. This only applies if you have more than one Row criteria.

Type of View	Description
	<ul style="list-style-type: none"> Column Totals - To give a grand total for each row. Column Subtotals - To give a total for each row at each aggregation level. This only applies if you have more than one Column criteria. <p>Drilldown View</p> <p>Select the drill-down report plan to be used for the Drilldown panel. Drill-down report plans are created using  > Create New Drilldown Report Plan.</p> <p> [NOTE: If you set the environment property USE_JIDE_PIVOT_GRID to true, you can export a Pivot view to Excel as a pivot view using (Ctrl+O)]</p>
Summary	<p>The Summary view is a Pivot view with navigation and drill-down capability. Each slice, row, and column can be expanded or collapsed.</p> <p>Note that the Summary view is not supported for reports using the "Analysis" total or subtotal function.</p>  <p>Options</p> <p>Additional settings are available on Summary views - You can check any of the following as needed:</p> <ul style="list-style-type: none"> Data In Columns - In that case, the Data are displayed in columns and are aggregated by Columns and Rows. Row Totals - To give a grand total for each column. Column Totals - To give a grand total for each row. Subtotals - To give a total for each column / row at each aggregation level. This only applies if you have more than one Row / Column criteria. Focus Column - To select the default column level to be displayed. This only applies if you have more than one Column criteria. Focus Row - To select the default row level to be displayed. This only applies if you have more than one Row criteria.

Type of View	Description
	<p>Focus row example - If you configure a view with three row criteria: Book, Trade Currency, and you set the focus row on Trade Currency, the report will open to the Trade Currency level by default.</p>  <p>Drilldown View</p> <p>Select the drill-down report plan to be used for the Drilldown panel. Drill-down report plans are created using ≡ > Create New Drilldown Report Plan.</p>

Column Settings Panel

Select the Column Settings panel to customize column names, formats, and colors.

View	Column Settings	Filtering	Sorting	Coloring Rules	Formula Columns	Overview
Name	Alias	Format	Scale Factor	Color	Subtotals	Totals
ACCRUAL	ACCRUAL		none		(None)	(None)
ACCRUAL [BASE]	ACCRUAL [BASE]		none		(None)	(None)
Book	Book		none		(None)	(None)
CA_NOTIONAL	CA_NOTIONAL		none		(None)	(None)
CA_NOTIONAL [BASE]	CA_NOTIONAL [BASE]		M		(None)	(None)
CA_PV	CA_PV		none		(None)	(None)
CA_PV [BASE]	CA_PV [BASE]		none		(None)	(None)
Error Count	Error Count		none		(None)	(None)
Product Description	Product Description		none		(None)	(None)

Sample column settings

- » For a column, adjust any of the parameters as needed. You can click the parameter to view the various options, or pick the options from the graphical aids on the right-hand side of the window.
 - Alias - You can customize the display name of the column.
 - Format - You can choose the format of negative numbers, and the format of dates.
 - Scale Factor - You can specify a scale factor: T(rillion), B(illion), M(illion), or K(thousand). The corresponding column will be displayed accordingly. Example for 1,000,000:
 - 1,000,000 - no scaling factor

0.01 T

0.1 B

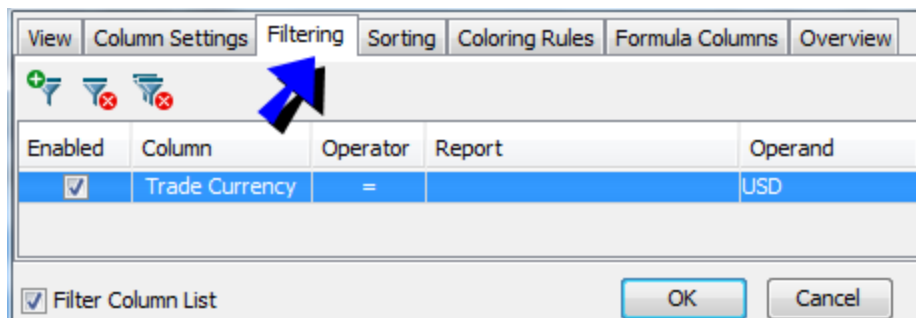
1 M

1,000 K


- Color - You can choose the background color of the column.
 - Subtotals - You can configure subtotals by heading level - The following functions are available depending on the type of column: Average, Count, Group, Minimum, Maximum, Sum.
 - Totals - You can configure a grand total - The following functions are available depending on the type of column: Average, Count, Group, Minimum, Maximum, Sum.
- » By default, you only see the columns selected in the View panel. You can clear "Filter Column List" at the bottom of the window to view all the columns available in the report.

Filtering Panel

Select the Filtering panel to set filters for this report.



Sample filtering

- » Click  to add a filter. Select a column, an operator and a value for the filter. Check / clear the "Enabled" checkbox to activate / deactivate the filter.

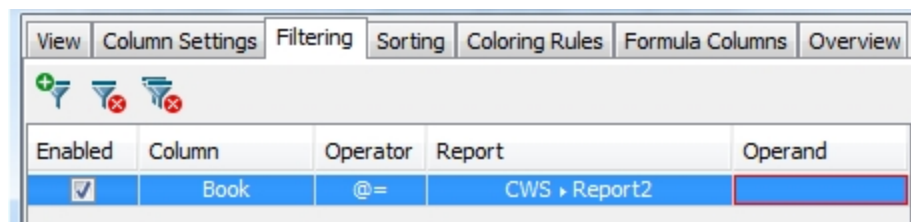
By default, you only see the columns selected in the View panel. You can clear "Filter Column List" at the bottom of the window to view all the columns available in the report.

Repeat as needed to add more filters.

- » You can select another report for reference to filter a column based on the other report's column. See example below.

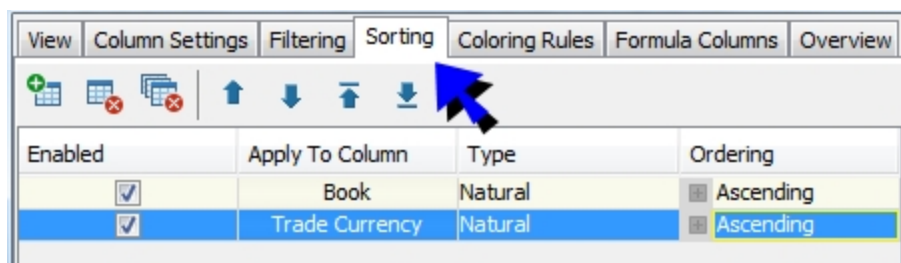
For example, Report2 is defined as showing only Book = Global.

Report1 is now configured as showing Book as in Report2. Hence, it will also show only Book = Global.




Sorting Panel

Select the Sorting panel to set up sorting details.



Sample sorting

- » Click  to add a new sorting criteria. Select a column, the type, and the ordering: Ascending or Descending. Check / clear the "Enabled" checkbox to activate / deactivate the sorting.

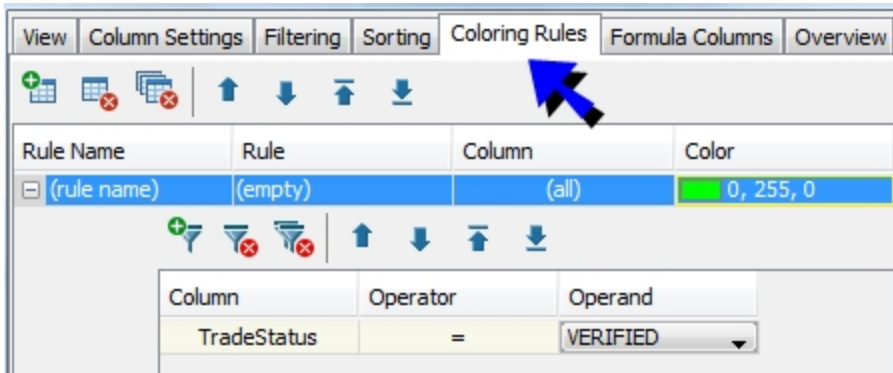
By default, you only see the columns selected in the View panel. You can clear "Filter Column List" at the bottom of the window to view all the columns available in the report.

- » For a string column, you can select the type "Explicitly Ordered" and define a custom order.




Coloring Rules Panel

Select the "Coloring Rules Panel" to set color coding on rows or on individual cells. You will be prompted to define rules and select colors.



Sample coloring rules

- » Click  to add a rule, and enter a name for the rule.
- » Double-click the Rule field to define the rule.

Click  to add a condition in the rule. Select a column, an operator, and a value.

By default, you only see the columns selected in the View panel. You can clear "Filter Column List" at the bottom of the window to view all the columns available in the report.

- » Once the rule is defined, you can select the column to which the rule applies (or All), and select the color you want to apply.

If multiple rules are set, the order of precedence is determined by the sequential order in which they appear from top to bottom. The rules can be moved up and down via the arrows in the dialog.

[**NOTE:** The order of precedence only applies to rules of the same type ("Row - All Columns" or a specific "Cell - Column")]

If you have setup multiple types of rules, Cell Color takes precedence over Row Color, Column Color, and Zebra Color, in that order.

Formula Columns Panel

Select the "Formula Columns" panel to define custom columns.

View	Column Settings	Filtering	Sorting	Coloring Rules	Formula Columns	Overview																																																													
<div> <div> </div> <div> <table border="1"> <thead> <tr> <th>Input</th> <th>Name</th> <th>Formula</th> <th>Ccy Check</th> <th>Operators</th> </tr> </thead> <tbody> <tr> <td>B/E_Rate</td> <td>Valid</td> <td>Valid</td> <td rowspan="5"><input type="checkbox"/></td> <td>a + b</td> </tr> <tr> <td>B/E_Rate [BASE]</td> <td></td> <td></td> <td>a - b</td> </tr> <tr> <td>Error Count</td> <td></td> <td>abs('NPV')</td> <td>a * b</td> </tr> <tr> <td>is_deleted</td> <td>Abs NPV</td> <td></td> <td>a / b</td> </tr> <tr> <td>Nominal</td> <td></td> <td></td> <td>(x)</td> </tr> <tr> <td>NOTIONAL</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Notional</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>NOTIONAL [BASE]</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>NPV</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>NPV [BASE]</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PV01</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PV01 [BASE]</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <div> Functions abs(x) rtotal(x) </div> </div> </div>							Input	Name	Formula	Ccy Check	Operators	B/E_Rate	Valid	Valid	<input type="checkbox"/>	a + b	B/E_Rate [BASE]			a - b	Error Count		abs('NPV')	a * b	is_deleted	Abs NPV		a / b	Nominal			(x)	NOTIONAL					Notional					NOTIONAL [BASE]					NPV					NPV [BASE]					PV01					PV01 [BASE]				
Input	Name	Formula	Ccy Check	Operators																																																															
B/E_Rate	Valid	Valid	<input type="checkbox"/>	a + b																																																															
B/E_Rate [BASE]				a - b																																																															
Error Count		abs('NPV')		a * b																																																															
is_deleted	Abs NPV			a / b																																																															
Nominal				(x)																																																															
NOTIONAL																																																																			
Notional																																																																			
NOTIONAL [BASE]																																																																			
NPV																																																																			
NPV [BASE]																																																																			
PV01																																																																			
PV01 [BASE]																																																																			

Sample formula column

The available operators are shown on the right-hand side. The format of a custom column is 'column'operator'column', 'column' can also be a constant.

- » To create a formula column, click
- » Enter a name for the formula column in the Name field.
- » Enter the formula in the Formula field. For this, position your cursor in the formula field, then you can drag and drop columns from the Input field into the Formula field, or double-click a column from the Input field. You can also type in the column names in between single quotes. Then type in the operator, and add another column or constant as needed.

You can also use the functions: `abs(x)` and `rtotal(x)`. `abs(x)` provides absolute value and `rtotal(x)` provides the running total for a particular column, such as Cash or Quantity. `rtotal(x)` is only available in Pivot view.

Valid examples are shown below:

```
'Time Effect'+'Market Data Effect'
```

```
abs('NPV')
```


```
rtotal('NPV')
```


```
2*'Time Effect'
```

- » Check "Ccy Check" as needed (default value can be set in domain "CWS_CcyCheck" - true or false) - This only applies to simple sums and subtractions - When checked (true) for a given formula, the formula returns 0 if it contains amounts in different currencies - Amounts in different currencies cannot be added if they are not converted to the same currency. This can only be used for convertible pricer measures (you can refer to the Pricer Measures documentation for information on which pricer measures are convertible.)
- » Then click **OK**.

The formula column can now be displayed in the results. It is not available for sorting or filtering.

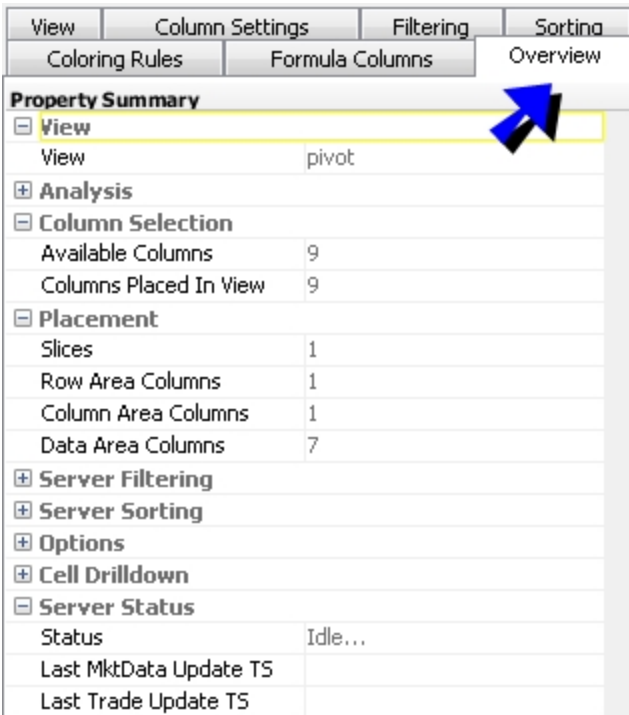
NPV	Abs NPV
-28,197	28,197.3875436632
-2,983	2,983.22848210994
-2,983	2,983.22848210994

 **[NOTE: Formula columns are not supported in the Forward Ladder]**

 If you have the following error: “Unable to allocate worktable for processing group by or distinct clause during query optimization. Maximum limit (46) of worktables is exceeded”, please consider reducing the number of columns in the configured report and retry.

Overview Panel

Select the Overview panel to display a summary of the report's settings.



View	Column Settings	Filtering	Sorting
Coloring Rules	Formula Columns		Overview

Property Summary

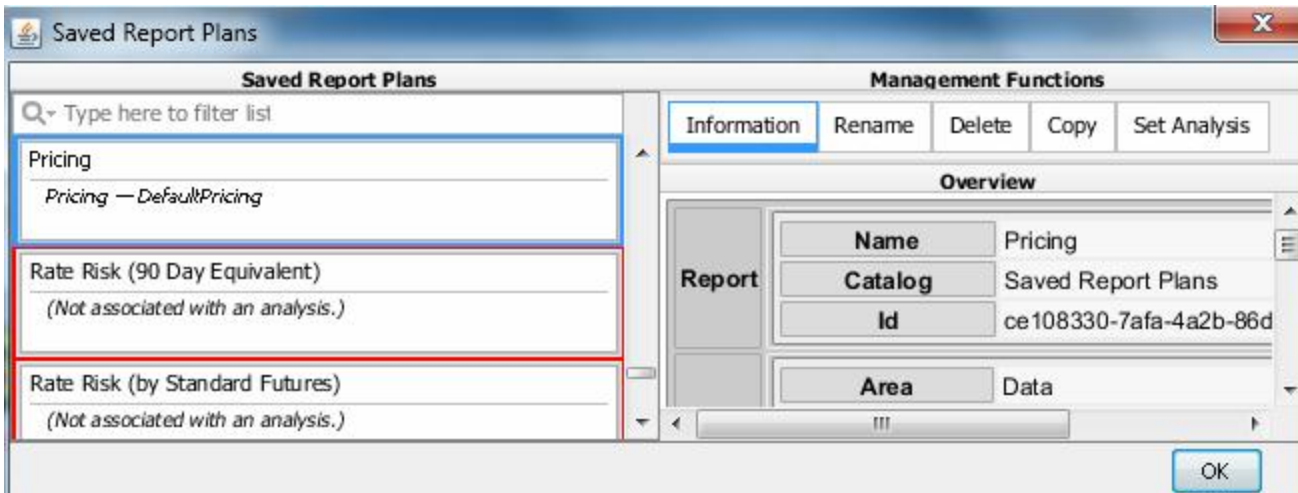
- ☒ **View**
 - View: pivot
- ☐ **Analysis**
- ☒ **Column Selection**
 - Available Columns: 9
 - Columns Placed In View: 9
- ☒ **Placement**
 - Slices: 1
 - Row Area Columns: 1
 - Column Area Columns: 1
 - Data Area Columns: 7
- ☐ **Server Filtering**
- ☐ **Server Sorting**
- ☐ **Options**
- ☐ **Cell Drilldown**
- ☒ **Server Status**
 - Status: Idle...
 - Last MktData Update T5:
 - Last Trade Update T5:

Sample overview

It also shows the last time trades and market data were updated.

3.3.7 Managing Saved Report Plans

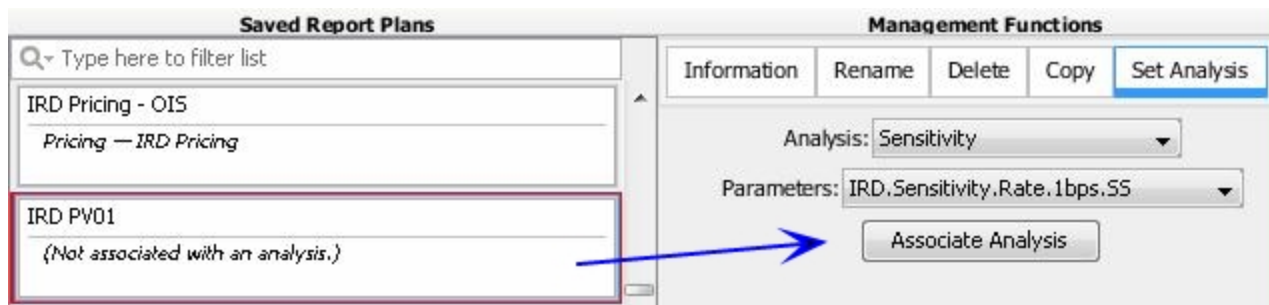
You can choose **Reports > Manage Saved Report Plans** to manage existing report plans.



[Sample report plan manager](#)

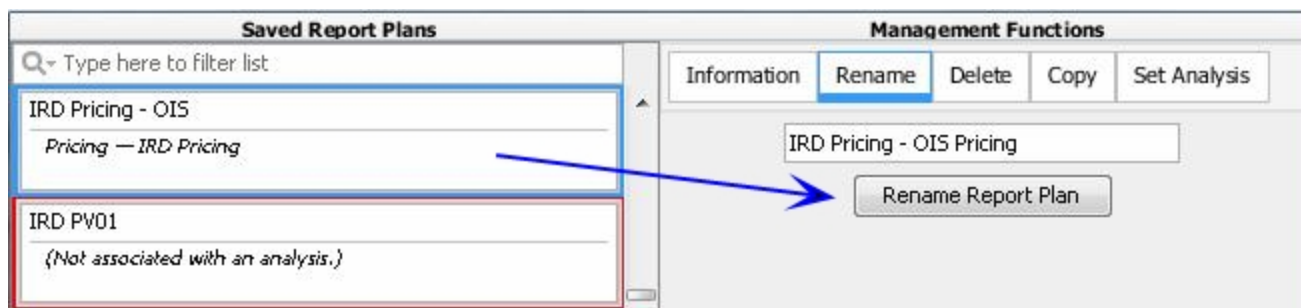
Report plans appear in red if they are not associated with any report.

- » To associate a report plan with a report, select a report plan and select the "Set Analysis" panel.



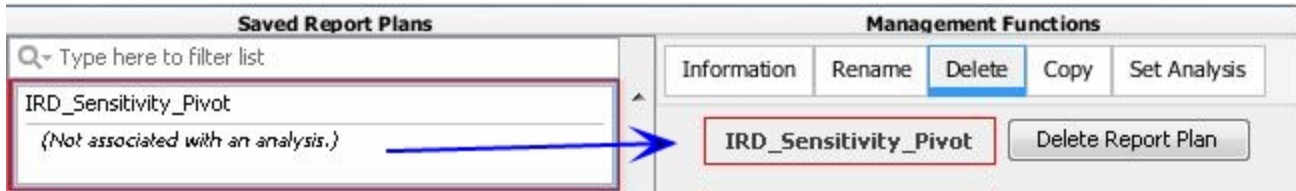
Select a report type and a set of parameters, and click **Associate Analysis**.

- » You can select a report plan and rename it. Select a report plan and select the "Rename" panel.



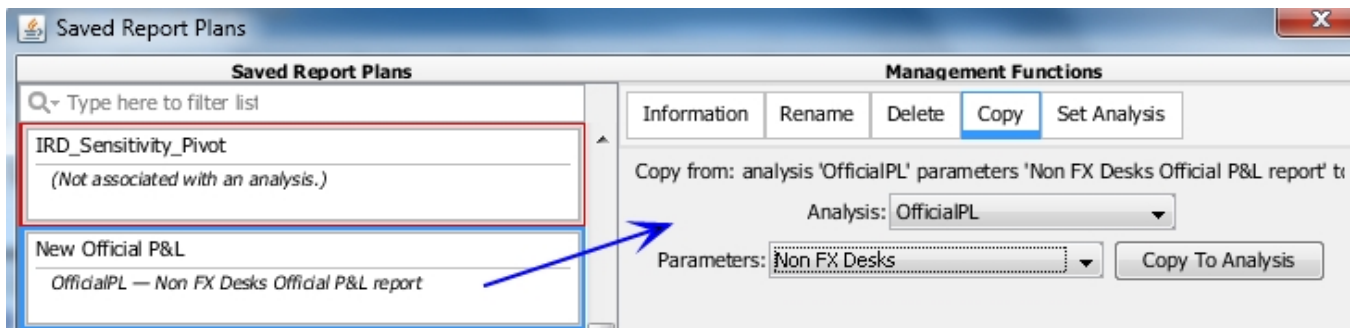
Change the name and click **Rename Report Plan**.

- » You can select a report plan and delete it. Select a report plan and select the "Delete" panel.



Click **Delete Report Plan** to delete it.

- » You can select a report plan and copy it to another report. Select a report plan and select the "Copy" panel.




Select a report type and a set of parameters, and click **Copy To Analysis**.

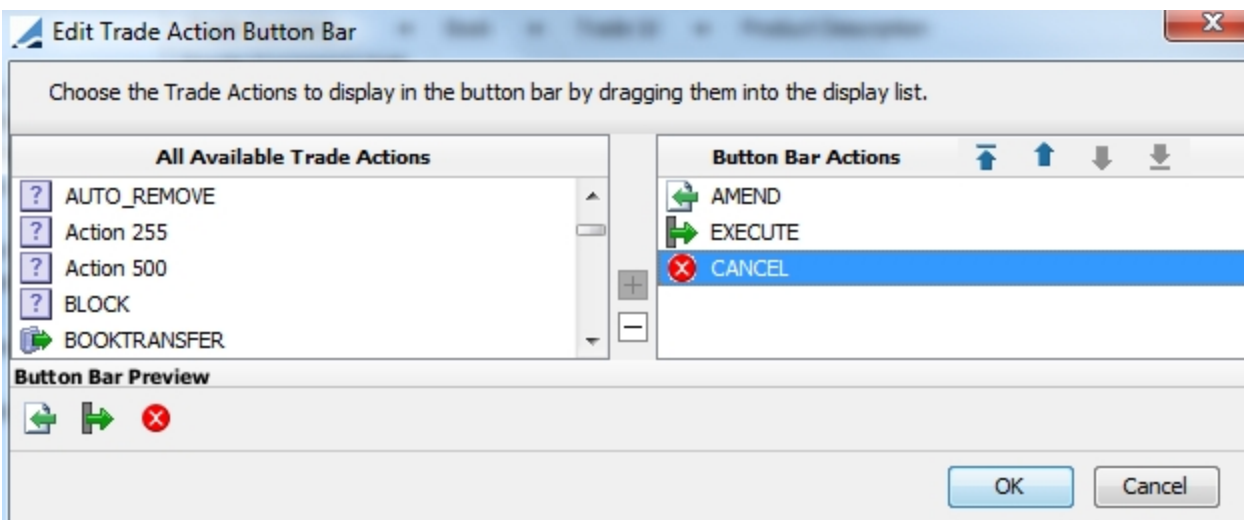
- » Click **OK** to apply your changes.

3.3.8 Adding Trade Action Buttons




Select a report result panel and choose  > **Edit Trade Action Bar** to define trade action buttons.

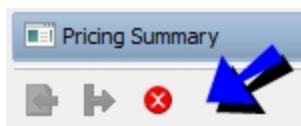
 **[NOTE: Actions buttons can only be defined for Simple views]**



Sample action configuration

- » Select an action from the left-hand side and click  to add it to the trade action toolbar.
- » Click **OK** to apply your changes.

Action buttons are displayed in the report's toolbar when you choose  **> Show Trade Action Bar**.





Sample trade action bar

- » Select a trade from a report and click an action button to apply the corresponding action.

3.3.9 Report Menu




Click  to bring up the report menu in a result panel.

Menu Items	Description
Configure Report Plan	To configure a report plan. ► See Configuring Report Plans for details.
Save Report Plan	To save the current report plan to the database. You will be prompted to enter a report plan name. All report plans are saved in the private catalog of the user. You can use Workstation > Distribute to distribute report plans to other users.
Edit Analysis	To display the report parameters. If you modify the parameters, a message indicates that the report has been stopped and is being recomputed. When it is done, a new message indicates that you need to reload the report. <div>  [NOTE: You can only modify the parameters for live reports] </div> <div>  </div> <p>» Click Load Update to load the updated report.</p>

Menu Items	Description
Clear Local Column Filter	Only applies to reports in Simple view if filters have been set on the column headings. To clear any filter set locally on the columns headings.
Automatic Column Width	Only applies to reports in Aggregation view and Hierarchy view. This menu item operates as a checkbox. Check to automatically resize columns when fixed columns overlap and may cause flickering.
Show Trade Action Bar	Only applies to reports in Simple view. This menu item operates as a checkbox. Check to display action buttons, or clear otherwise. ► See Adding Trade Action Buttons for details.
Show View Controls	Only applies to reports in Aggregation view. This menu item operates as a checkbox. Check to display a set of controls that allow expanding / collapsing the aggregations at various levels.
Edit Trade Action Bar	Only applies to reports in Simple view. To define trade action buttons. ► See Adding Trade Action Buttons for details.
Save Report Plan As	To save the current report plan to a new report plan.
Apply Saved Report Plan	To apply an existing report plan to the current report. You will be prompted to select a report plan.
Set Drilldown Report Plan	Only applies to reports in Pivot view and Summary view. To select a drill-down report plan for the Drilldown panel. You will be prompted to select a drill-down report plan. Drill-down report plans are created using "Create New Drilldown Report Plan" see below.
Create New Drilldown Report Plan	Only applies to reports in Pivot view and Summary view. To create a drill-down report plan for the Drilldown panel. ► See Creating a Drill-down Report Plan for details.

3.4 Viewing Drill-down Details

When you have a report in Pivot view or Summary view, you can click a cell and display details of the trades / positions contained in that cell in the Drilldown panel.

To do so, you need to create a drill-down report plan using  > **Create New Drilldown Report Plan**, and associate the drill-down report plan with the Pivot / Summary view under  > **Configure Report Plan** or  > **Set Drilldown Report Plan**.

Pricing Summary

Values All ▾ Book All ▾



Trade Currency	[TradeStatus]			
	VERIFIED			
	Product Description	Trade Id	NPV	PV01
EUR	Swap/09/19/2016/P:EUR 1.42000 /R:EUR/EURIBOR/6M	5931	2,585.64	151.49
USD			413,890.00	9.18

Drilldown of Pricing Summary (Pricing Summary-20140917114126/drilldown)


Trade Currency: USD TradeStatus: VERIFIED

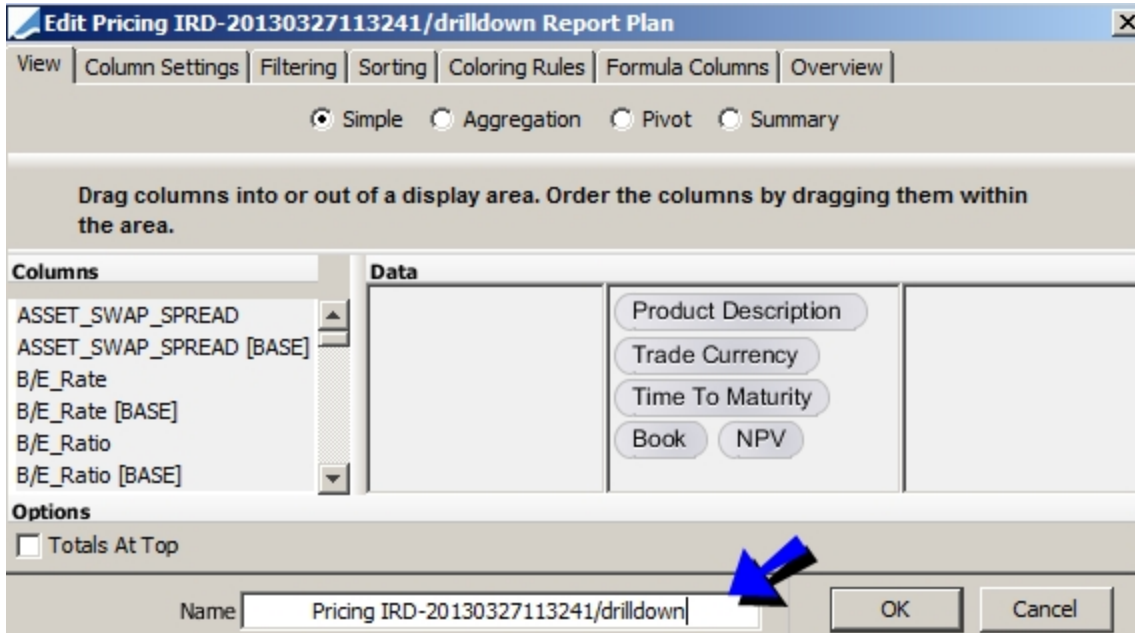
Trade Id	Product Description	Trade Currency	NPV	PV01
5470	PositionCash/USD/Bond/PRINCIPAL	USD	0.00	0.00
5469	BondT 1 1/4 09/30/15/5Y/09/30/2015/1.25%	USD	202,861.20	-20.51
5483	PositionCash/USD/Bond/PRINCIPAL	USD	0.00	0.00
5930	Swap/05/30/2015/P:USD 1.35000 /R:USD/LIBOR/3M	USD	8,167.60	50.20
5482	BondT 1 1/4 09/30/15/5Y/09/30/2015/1.25%	USD	202,861.20	-20.51
			413,890.00	9.18

Sample drill-down results

- » You can click  to export the drill-down results to a file.
 - See [Exporting Reports](#) for details.
- » You can choose  > **Configure Drilldown View** to adjust the display. This is described below.

3.4.1 Creating a Drill-down Report Plan

To create a drill-down report plan, select the result panel of a report in Pivot view or Summary view, and choose  > **Create New Drilldown Report Plan**.



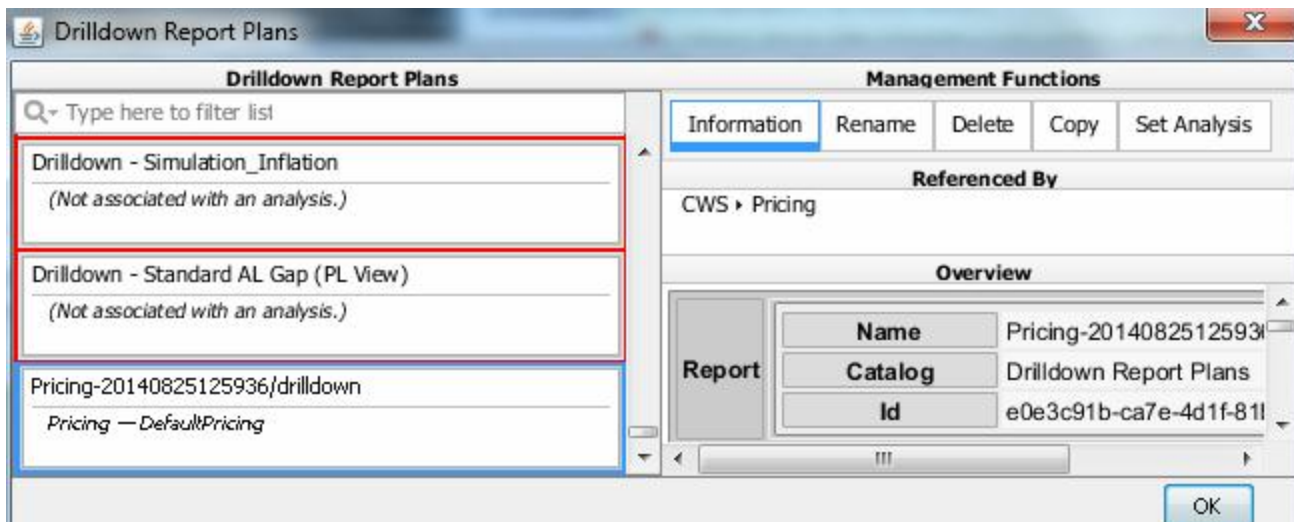
[Sample drill-down report plan](#)

It is similar to creating a report plan, except that you have to give it a name.

► See [Configuring Report Plans](#) for details.

3.4.2 Managing Drill-down Report Plans

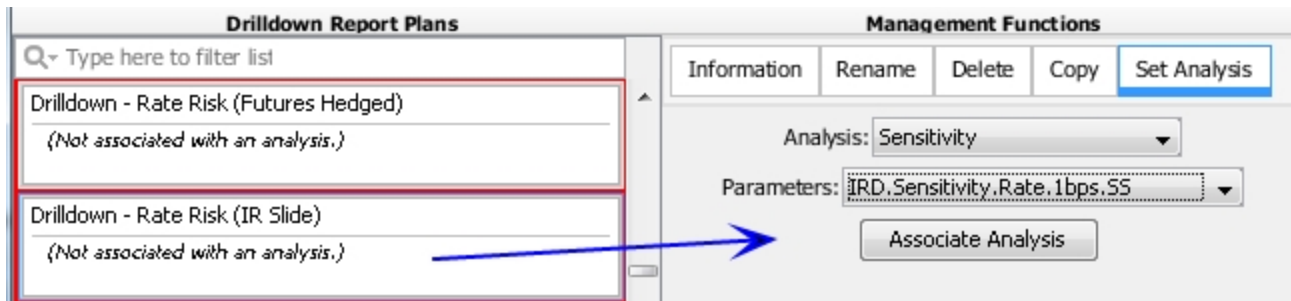
You can choose **Reports > Manage Drilldown Report Plans** to manage existing drill-down report plans.



[Sample drill-down report plan manager](#)

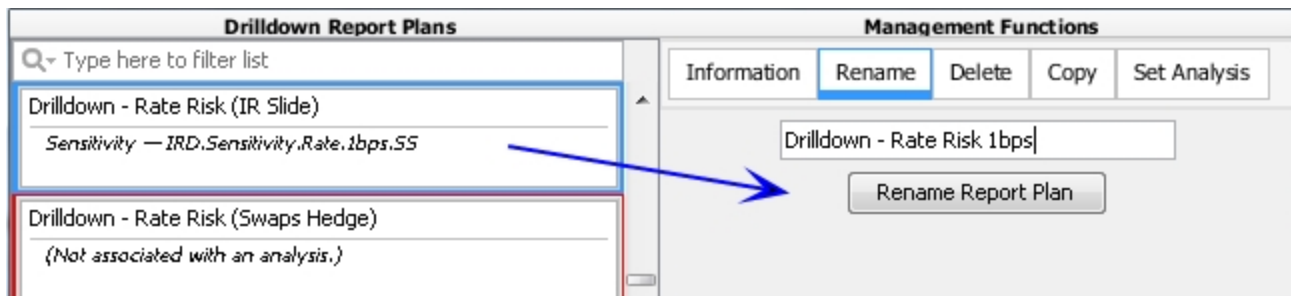
Drilldown report plans appear in red if they are not associated with any drilldown report.

- » To associate a report plan with a drilldown report, select a report plan and select the "Set Analysis" panel.



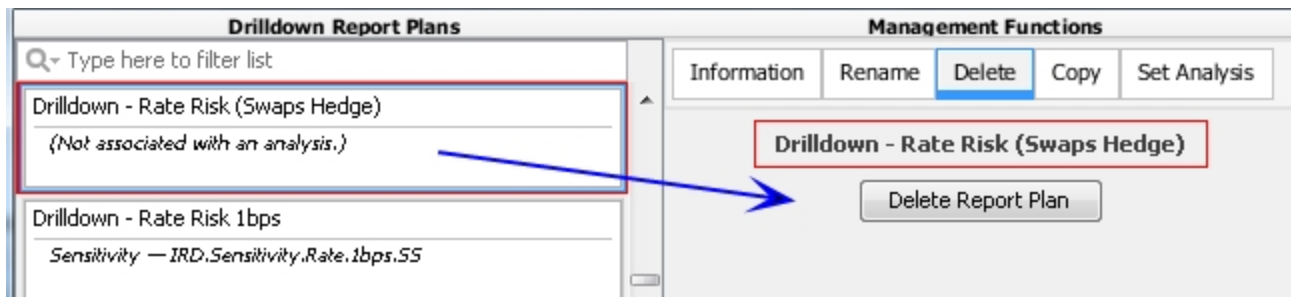
Select a report type and a set of parameters, and click **Associate Analysis**.

- » You can select a report plan and rename it. Select a report plan and select the "Rename" panel.



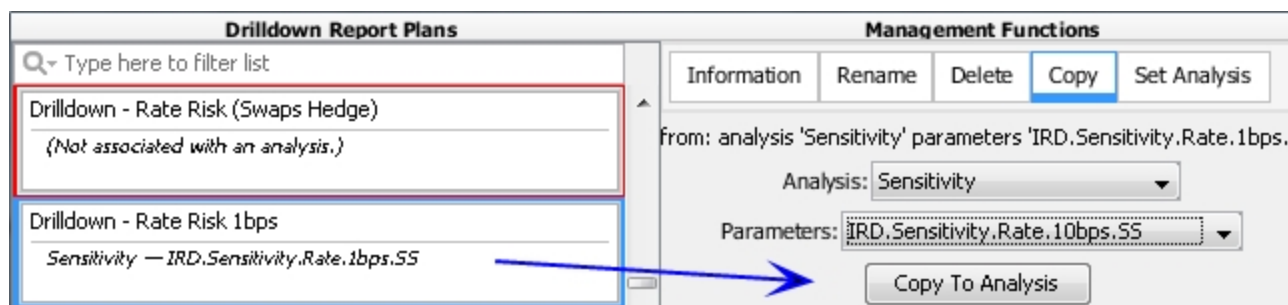
Change the name and click **Rename Report Plan**.

- » You can select a report plan and delete it. Select a report plan and select the "Delete" panel.



Click **Delete Report Plan** to delete it.

- » You can select a report plan and copy it to another drilldown report. Select a report plan and select the "Copy" panel.



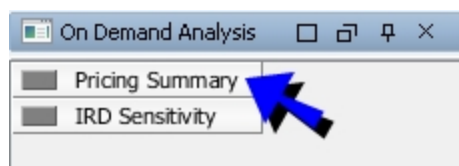
Select a report type and a set of parameters, and click **Copy To Analysis**.

- » Click **OK** to apply your changes.

3.5 Running Reports on-the-fly

You can run reports on-the-fly on selected trades, using one of the following methods:

- Choose **Reports > On Demand Analysis**, and select the Ad Hoc panel - Select the input parameters and the report parameters, and click **Run**.
- Choose **Reports > On Demand Analysis**, and select the On Demand panel - Select the input parameters and click a predefined report, and click **Run**.
- Click a risk speed button in the "On Demand Analysis" panel - Risk speed buttons can be defined using **Reports > On Demand Analysis Speed Buttons**.

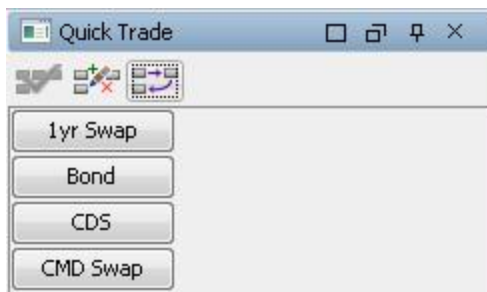


The results will be displayed in a new window, or saved to a file, based on the selected parameters.

- Refer to Calypso On Demand Analysis documentation for complete details on using the On Demand Analysis window and defining risk speed buttons.

3.6 Setting Trade Speed Buttons

Select the Quick Trade window to configure and use trade speed buttons.



[Sample quick trade buttons](#)

3.6.1 Configuring Trade Speed Buttons

Click  to configure a trade speed button.



[Sample quick trade configuration](#)

- » Enter a button name, a description, select a product type and a trade template.

Trade templates are created from the trade worksheets.

You can also select the product type "PricingSheet" to open a blank Pricing Sheet (You cannot select a template in that case but you will be able to select a template in the Pricing Sheet once you click the corresponding trade speed button).

- » Click **Save**. The speed button is added to the Quick Trade window.

Click  to view the trade speed buttons.

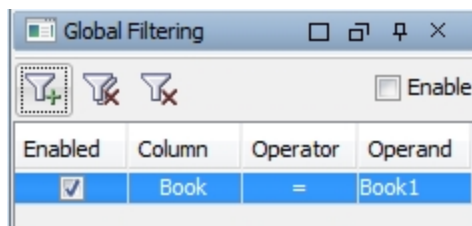
3.6.2 Using Trade Speed Buttons

Click a trade speed button to bring up the corresponding trade worksheet, or a blank pricing sheet. Help is available from all trade worksheets for details on capturing and pricing trades, and from the Pricing Sheet.


You can click  to arrange the trade speed buttons in multiple rows and columns as you wish.

3.7 Setting Global Filters

Global filters apply to all reports currently loaded in the Calypso Workstation. You can also set filters for a given report when configuring its report plan.

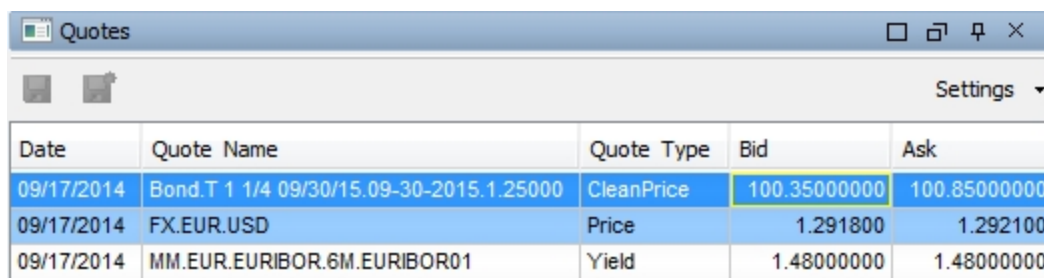


Sample global filter

- » Click  to add a filter.
Select a column, an operator, and a value for the filter.
Repeat as needed to add more filters.
- » Check the "Enabled" checkbox to activate the filter.
You can then clear the "Enabled" checkbox to deactivate the filter as needed.

3.8 Viewing Quotes

Shows real-time quotes for live reports.



Date	Quote Name	Quote Type	Bid	Ask
09/17/2014	Bond.T 1 1/4 09/30/15.09-30-2015.1.25000	CleanPrice	100.35000000	100.85000000
09/17/2014	FX.EUR.USD	Price	1.291800	1.292100
09/17/2014	MM.EUR.EURIBOR.6M.EURIBOR01	Yield	1.48000000	1.48000000

Sample quotes

It only shows quotes for rows selected in the current report.

- » You can customize the display using **Settings > Configure View**.
► See [Configuring Reports Plans](#) for details.
- » You can modify a quote – It will be set as a “What-if” quote. You can save selected or all “What-if” quotes.
You can enter a spread in the Bid Ask Spread. It will be used when entering a “what-if” bid or ask quote to compute the corresponding bid or ask quote.

[NOTE: If you have setup entitlement with the quotes provider, it will be respected in that window - You can only view / modify quotes that you are entitled to view / modify - Note however that entitlement does not apply when computing the results - They are computed using any quote that is required and no entitlement check is performed per user]

3.9 Viewing Market Data

Shows market data for live reports.



Market Data					
Open Curve					Settings
Id	Name	Currency	Type	Datetime	Instance
5631	USD OIS FedFunds	USD	CurveZero	9/17/14 1:15:37.000 PM PDT	CLOSE
2128	ZC EUR EONIA	EUR	CurveZero	9/17/14 1:11:37.000 PM PDT	CLOSE
4522	ZC EUR Euribor-Deposit	EUR	CurveZero	9/17/14 1:11:37.000 PM PDT	LAST
4539	ZC USD Libor-Deposit 3M/6M	USD	CurveZero	9/17/14 1:15:37.000 PM PDT	LAST

[Sample market data](#)

It only shows market data for rows selected in the current report.

- » You can customize the display using [Settings > Configure View](#).
 - ▶ See [Configuring Reports Plans](#) for details.
- » You can double-click a market data item to bring it up, or select a market data item and click **Open Curve**.

3.10 Viewing Credit Market Data

Shows credit market data for live reports based on the selected scope.

Credit Market Data

Selection Scope

Edit Curves

Settings

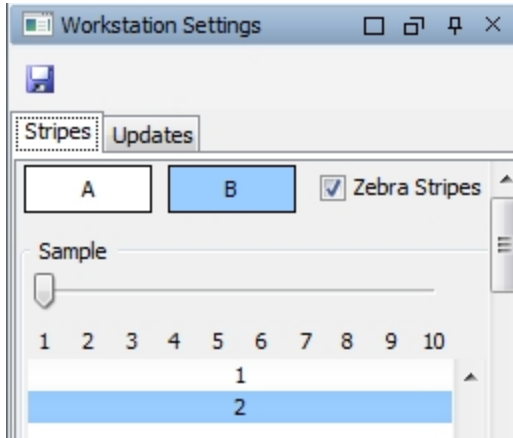
Item	Scope	Currency	Issuer/ Basket	Seniority	Restructuring Type	Tenor.1 Y	Tenor.2 Y
SELECTION		USD	SAMPLE ISSUER	SENIOR_UNSECURED	ANY	5	10
SELECTION		USD	CP	SENIOR_UNSECURED	ANY		

[Sample credit market data](#)

- » You can select a scope: Click **Selection Scope** to switch to **Analysis Scope** and vice versa.
 - "Selection Scope" - Only shows credit market data items for rows selected in the current report - Default scope.
 - "Analysis Scope" - Shows all credit market data items for the current report.
- » You can customize the display using [Settings > Configure View](#).
 - ▶ See [Configuring Reports Plans](#) for details.
- » You can double-click a market data item to bring it up, or select a market data item and click **Edit Curves**.

3.11 Setting Preferences


Select the CWS Settings panel to set general preferences.



Sample zebra striping

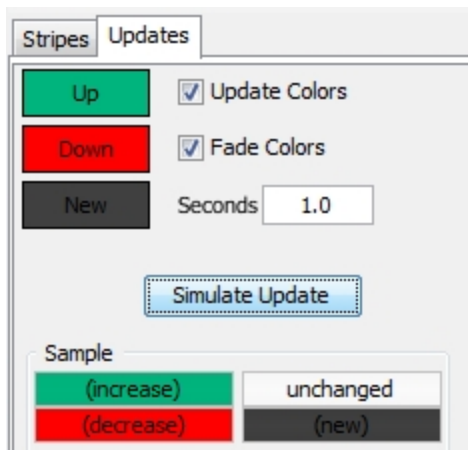
Stripes

You can setup zebra striping.


- » Check "Zebra Stripes" and select the color of each stripe.
- » Click  to save your changes.

Updates

You can show trade and market data updates in different colors.



Sample update colors

- » Check "Update Colors" and select the colors of modified items (up and down), and new items. Enter the number of seconds for the update colors to appear.
- » You can click **Simulate Update** to see how it looks.
- » Click  to save your changes.

3.12 Calypso Workstation - Workstation Menu

The menu items of the Workstation menu are described below.

Menu Items	Description
Save All Reports	To save the settings of the reports currently open.
Close All Reports	To close all report results panels.
Close All Panels	To close all panels. You can then open panels from the Panel menu.
Distribute	To distribute reports, report plans, drill-down report plans, speed buttons, and window plans to other users. Select the items you want to distribute. Then select user groups and / or individual users, and click Distribute . The selected items will be made available to the corresponding users.
Open CWS on Main Entry start	This menu item operates as a checkbox. Check to open the Calypso Workstation by default upon starting the Calypso Navigator.
Close Workstation	To close the window.

3.13 Calypso Workstation - Edit Menu

The menu items of the Edit menu are described below.

Menu Items	Description
Undo	Not used.
Redo	
Cut	Not used.
Copy	To copy a report or folder from the Report Collection window.
Paste	To paste a copied report or folder to the Report Collection window.
Select All	To select all the rows in a result panel.

3.14 Calypso Workstation - Panel Menu

The menu items of the Panel menu are described below.

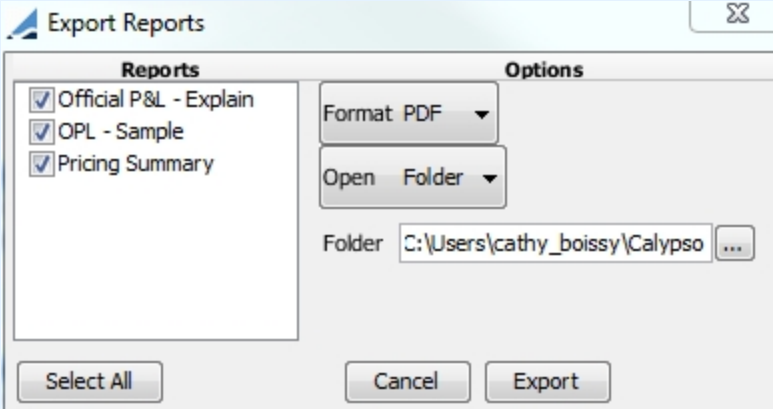
Menu Items	Description
Report Collection	This menu item operates as a checkbox. Check to display the "Report Collection" window, or clear to hide it.

Menu Items	Description
	► See Adding Reports .
Drilldown	This menu item operates as a checkbox. Check to display the "Drilldown" window, or clear to hide it. ► See Viewing Drill-down Details for details.
Market Data	This menu item operates as a checkbox, and only applies to live reports. Check to display the "Market Data" window, or clear to hide it. ► See Viewing Market Data for details.
Credit Market Data	This menu item operates as a checkbox, and only applies to live reports. Check to display the "Credit Market Data" window, or clear to hide it. ► See Viewing Credit Market Data for details.
Quotes	This menu item operates as a checkbox, and only applies to live reports. Check to display the "Quotes" window, or clear to hide it. ► See Viewing Quotes for details.
On Demand Analysis	This menu item operates as a checkbox. Check to display the "On Demand Analysis" window, or clear to hide it. ► See Running Reports on-the-fly for details.
Quick Trade	This menu item operates as a checkbox. Check to display the "Quick Trade" window, or clear to hide it. ► See Setting Trade Speed Buttons for details.
Global Filter	This menu item operates as a checkbox. Check to display the "Global Server-Side Filter" window, or clear to hide it. ► See Setting Global Filters for details.
CWS Settings	This menu item operates as a checkbox. Check to display the "Workstation Settings" window, or clear to hide it. ► See Setting Preferences for details.

3.15 Calypso Workstation - Reports Menu

The menu items of the Reports menu are described below.

Menu Items	Description
Process All Report Updates	This menu item operates as a checkbox. Check to activate real-time updates for all reports currently open, or clear to freeze real-time

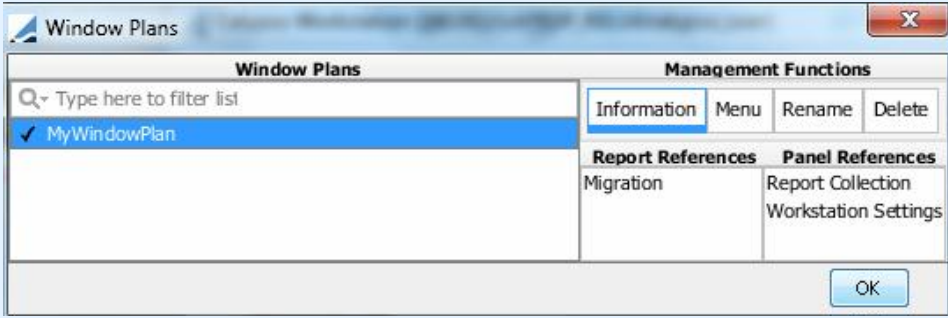
Menu Items	Description
	updates.
Export Reports	<p>To export multiple reports at a time.</p>  <p>All reports currently open appear in the Report area.</p> <ul style="list-style-type: none"> » Select the reports you want to export and select the export options. » Then click Export to export the reports.
Manage Drilldown Report Plans	<p>To manage existing drill-down report plans.</p> <p>► See Managing Drill-down Report Plans for details.</p>
Manage Saved Report Plans	<p>To manage existing report plans.</p> <p>► See Managing Saved Report Plans for details.</p>
On Demand Analysis	<p>To run risk reports on-the-fly.</p> <p>► See Running Reports on-the-fly for details.</p>
On Demand Speed Buttons	<p>To define risk speed buttons.</p> <p>► See Running Reports on-the-fly for details.</p>

3.16 Calypso Workstation - Window Plan Menu

The menu items of the Window Plan menu are described below.

The window plan corresponds to the layout of the Calypso Workstation: which windows are opened, their size, and their location.

Menu Items	Description
<window plan>	Select an existing window plan.
Save window Plan	To save the window plan currently selected.
Save Window Plan As	To save the current window plan as a new window plan. You will be prompted to enter a window plan name.

Menu Items	Description
Window Plans	<p>To manage window plans.</p>  <p>The plan currently selected in the Calypso Workstation has a check-mark. You cannot delete it.</p> <ul style="list-style-type: none"> » You can select a window plan and view configuration details in the Information panel. » You can select a window plan and add it to the Window Plan menu using the Menu panel. » You can select a window plan and rename it using the Rename panel. » You can select a window plan and delete it using the Delete panel.

3.17 Calypso Workstation - Trade Menu

The menu items of the Trade menu allow opening trade worksheets. Help is available from all trade worksheets for details on capturing and pricing trades.