

# Price $f(x)$

## Release 'Cosmopolitan'

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### Release Notes

**Go-live Date:**

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This document summarizes major improvements introduced in the latest Price f(x) release - the Cosmopolitan version.

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# 1. New Features and Improvements

## PriceAnalyzer Improvements

Description	ID
When a Data Source is deployed, the Truncate Data Load of the linked Data Feed is updated with a filter to include only rows previously successfully flushed to Data Source and it is scheduled to run once a week.	PFCD-2834
The option to limit the range of the displayed data to a certain percentage, percentile or a number of data rows is now available also for Bubble charts.	PFCD-3315
There is a new ResultMatrix.transpose() function in Groovy API.	PFCD-3316
A dashboard can be marked as hidden, which means it will not be displayed in the list of available dashboards on the Home page. This is particularly useful for dashboards embedded in master dashboards.	PFCD-3465
The MAX aggregate function now also works for a date field in a calculation logic in the Datamart context.	PFCD-3540
You can now define up to twelve Dim filters for a chart.	PFCD-3703
In Data Tables, the file names of traffic lights have changed, so that the sorting of green/yellow/red columns is correct. Use these new file names to make sure the columns are sorted properly.	PFCD-3710
There is a new option 'Normalization' in the Datamart editor. It allows you balance the speed of Datamart refresh and query performance. The default is HIGH, as this reflects the normalization level of DMs before this feature.	PFCD-3762
The "Tooltips On/Off" button in charts now shows its state by changing its background color to a light blue for on, and white for off.	PFCD-1733
Customizations to the chart data table appearance are preserved when the chart is saved.	PFCD-2925
The PA data table's Group By levels are now defined in a grid which allows for easier editing and also re-ordering by drag & drop.	PFCD-2945

In PA Charts, Data Tables have two new buttons to completely ungroup the table or to group over all defined group-by dimensions. Finer grained grouping can be done in the table header's context menu. The grouping state is included when saving the chart.	PFCD-3399
The new Aggregation filter allows you to filter the Datamart query results and determine which data will be displayed in the chart.	PFCD-3523
Regression and other statistical functions already supported by the backend are now available from the Formula Builder command templates.	PFCD-3663

## PriceBuilder Improvements

Description	ID
Configurator can also be displayed as dynamic fields directly in the Input Parameters panel. Up to now, the only option was a pop-up window.	PFCD-1887
In Price Lists, Live Price Grids and Simulations, you can now create a custom field (column) and define a mathematical formula to calculate its values from the other fields of the list or grid.	PFCD-2469
Labels of most columns that can be renamed can now also be renamed by locale (i.e. different labels per user's UI language). This allows for an easier and more usable setup in multi-national environments to make sure every user can understand the column meanings.	PFCD-2740
There is a new role 'Live Price Grid (Editor & Add Product)' which allows the user to add/remove items to/from an existing LPG (in addition to functions available in the 'Live Price Grid (Editor)' role).	PFCD-2986
When too long text is saved to a field via a calculation logic and the resulting String gets cropped, you are informed about it in the line item warning message. (There is no warning if e.g. a number with many trailing digits, like $1/3 = 0.3333\dots$ , is truncated.)	PFCD-3224
Using the new price list options, Dynamic UOM and Dynamic currency, it is possible to specify a formula result field whose UOM/currency will override the product's default UOM/currency. If left empty, the default from the product master is kept.	PFCD-3274
The <code>api.contextTypedId()</code> method now returns also Live Price Grid's typed Id in a matrix item formula.	PFCD-3562
When making a copy of a manual price list or a live price grid, the saved view preference is copied and applied as well.	PFCD-3589
It is possible now to define multiple Excel templates for price lists, quotes and other objects. The selection of an appropriate template is up to the end user doing the download.	PFCD-3631

Header logic can now create lines/folders which are pre-set to a certain value.	PFCD-3672
The Hide Warnings option in a calculation logic now suppresses also system warnings.	PFCD-3695
It is possible to use specific price list view settings as a template and apply it to other price lists. It is set in Defaults for List Calculations in Configuration.	PFCD-3032
Quote calculation result matrix can be downloaded directly to an XLS file.	PFCD-3423

## QuoteConfigurator Improvements

Description	ID
It is now possible to create a new revision of an Offer.	PFCD-3277
Quotes can now have a default Customer Group input (alternatively to a Customer input) on the root level.	PFCD-3557
The Revoke deal action is now available only for the Quote Configurator Admin role (formerly called Quote Configurator Quote Admin).	PFCD-3629
It is possible now to export quotes, LPGs, price lists etc. based on the MS Word template to PDF with dynamically adapted output based on data exported from the quote (or other corresponding object).	PFCD-3670
The QuoteConfigurator module has now a new responsive and modern UI (as a Beta version).	PFCD-3159

## RebateManager Improvements

Description	ID
The Revoke action on Rebate Agreements is now available only to users with the Rebate Agreements Admin role.	PFCD-2772

## PromotionManager Improvements

Description	ID
The Revoke action on Contracts is now available only to users with the newly added role Contracts Admin.	PFCD-3611
The ITEM_UPDATE_CT event type has been added.	PFCD-3665
There is a new confirmation dialog for the Revoke action for Rebates and Contracts so that users are prevented from completing this action by mistake.	PFCD-3525
There is a new option to remove saved private or public layout preferences throughout the application.	PFCD-3863
It is possible to limit the visibility of quotes for individual users by applying the per user customer filter and showing only quotes created by the logged in user.	PFCD-2347

## Workflow Improvements

Description	ID
Users can delegate their approval rights to other users – they can define to which user and for how long their approval authority will be delegated.	PFCD-2281
It is possible now to open a contract/quote/agreement directly from an email in an SSO instance.	PFCD-3615
Users who are members of several groups can execute an approval/denial separately and independently for each of the groups.	PFCD-3755

## Excel Client Improvements

Description	ID
Excel Client supports now more than 1000 entries in drop-downs located in the menu.	PFCD-3301
When logging in the Excel Client, you can now enable two factor authentication.	PFCD-3706

## Administration Improvements

Description	ID
Action "Download" is now available in the User Admin section, which exports the user list to Excel.	PFCD-3207
Users are asked for the existing password when they attempt to change their application password.	PFCD-3409
The Support and Data Integration user roles can now access Email and Event Admin pages.	PFCD-3593
The Error Message column has been added to the Email Admin overview table.	PFCD-3632
In the Price Grid Denial Reasons configuration it is possible to define if the 'Other' option is displayed or not. Also, this configuration option has been renamed to 'Allow user to enter a denial reason in a free-text form in the dialog'.	PFCD-3689
Newly only the Quote Admin and Rebate Agreement Admin roles can delete/modify attachments for Quotes and Rebate Agreements (in all other states except Draft).	PFCD-3701

## Backend Improvements

Description	ID
Items in the Product Extensions table can also be filtered by the Product Master attributes.	PFCD-2081
Translation Editor in logics enables now to display labels in the corresponding language version of the user interface – in the Locale column of the editor, use the language code that you see in the locale URL parameter, e.g., 'de' for German.	PFCD-3416
Multiple Groovy libraries can be created and its functions used throughout the application. The plugin functions are called from calculation logic elements in the following way: libs.<formulaName>.<formulaElementName>.<function>	PFCD-3442
api.multiTierEntry can now accept two more string params – sortType and orderValidationType – which determine the expected order of values and whether automatic validation is performed or not.	PFCD-3473
The sortBy parameter of the api.find() method now supports multiple keys.	PFCD-3491



The new <code>api.getBaseURL</code> method returns the base URL component of the current instance, for example <code>https://www.pricefx.eu</code> .	PFCD-3546
There is a new HTTP API function to get quote pending approvals according to a specific user name.	PFCD-3551
Email/Event processors can now run on multiple nodes simultaneously.	PFCD-3576
For partitions that use the CSRF protection feature, there will be a change in the API implementation of that feature. Currently, the token value is sent in an HTTP cookie without the "httponly" flag in that cookie. Due to security concerns, this approach will be gradually deprecated. Any application (= API user) that should work in a CSRF-protected mode needs to adapt to the new transfer mode which will essentially return the token value as part of the first authenticated response. This change impacts primarily browser based JavaScript applications.	PFCD-3696



## 2. Fixed Issues

### PriceAnalyzer Fixed Issues

Description	ID
In PriceAnalyzer > Data Analyzer > Datamarts > DatamartView, when you try to freeze a column, the view gets mangled.	PFCD-2691
There was an error "DS Not Accessible", when joining a secondary DS. The fix introduced a change that it is not possible to modify field names in a Datamart; the modification has to be done at the Data Source level.	PFCD-2771
When downloading data of comparison charts, sometimes the Excel spreadsheet is empty.	PFCD-2970
When loading data from Excel file, you may get incorrect dates in the Datamart. To fix this, the file upload window now warns the user that PFX does not support the Excel 1904 date format. The warning is only displayed if an Excel file was selected.	PFCD-3110
Dashboards do not display the correct data received in JSON.	PFCD-3334
uniq_upsert_idx sometimes disappears and causes Data Loads to fail.	PFCD-3480
Data Load fails due to the "no unique or exclusion constraint" exception.	PFCD-3481
The data display (second tab) of a waterfall is not respecting the order of the waterfall components.	PFCD-3534
The Dashboard Configurator height setting via api.configurator does not work.	PFCD-3556
A dashboard cannot be downloaded as an Excel file if there is no label on the series.	PFCD-3644
Label for filters on a PA dashboard is not displayed and there is a "null" string only.	PFCD-3836

## PriceBuilder Fixed Issues

Description	ID
When you set up a PX attribute, which has a restricted list of values, as searchable in PM, you cannot choose any value in the filter in the PM table (field is disabled).	PFCD-2299
When storing preferences on the PB > Calculation logic grid and marking them as default, the same preferences are used when opening the Groovy library although there are no preferences selected/visible in the Preference Manager.	PFCD-2591
When a LPG contain a large number of CSS styles, scrolling in such a list becomes slow.	PFCD-3340
An LPG default column description is lost after recalculation.	PFCD-3342
The approval state can be changed to Approved with Mass Edit even if there is no workflow.	PFCD-3378
Oracle returns an error on item deletion during LPG calculation when a dynamic item filter is used.	PFCD-3490
When an LPG contains PGIs referencing non-existing products, the LPG config window will not open, it is stuck on "Loading...".	PFCD-3512
The PGI grid does not render columns correctly if you freeze more than three columns.	PFCD-3590
The XLS download pop-up window does not appear in some cases and a JavaScript exception is thrown.	PFCD-3591
When you want to save a calculation logic and do not have the corresponding 'Calculation logic admin' role, an empty warning message appears.	PFCD-3739
If setEnableClientFilter is set to true (Client Filter is enabled) for resultMatrix together with setPreferenceName (set to some predefined preferences name) in the Matrix popup, only the preferences drop-down is shown, not the filter.	PFCD-3746
When there is a logic element with api.attributedResult(result).withSuffix(suffix) set, there is no suffix when the result value is "0".	PFCD-3776

resultMatrix.setPreferenceName is not applied correctly.	PFCD-3778
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## QuoteConfigurator Fixed Issues

Description	ID
In QuoteConfigurator, if a folder is created and inputs are generated for it, the inputs do not appear until the folder is selected in the Quote Overview and the quote is refreshed.	PFCD-3780
The header output field shows resultName instead of resultLabel.	PFCD-3852

## RebateManager Fixed Issues

Description	ID
Inactive rebate logics are still available for selection when you want to assign logic to some rebate type.	PFCD-3436
The Last Updated By record in Rebates and Contracts is not updated on Deny.	PFCD-3488
When you update a customer in the Matrix result in a Rebate Agreement and download the agreement to Excel, the value is not updated there.	PFCD-3718

## PromotionManager Fixed Issues

Description	ID
In the Contracts page, when you create a global preference to group the contracts by the workflow status and switch between the folders, the grouping is lost.	PFCD-2465

## Excel Client Fixed Issues

Description	ID
Excel Client does not sort dates correctly.	PFCD-1405
Excel Client date validation set to 1/1/1960 and so earlier dates cannot be entered. To fix this, the earliest date accepted by the Excel Client has been lowered from 1/1/1960 to 1/1/1900.	PFCD-3633
In Excel Client, delete does not work when you filter 3+ values in one column.	PFCD-3760

## Workflow Fixed Issues

Description	ID
When you add an inactive user to the workflow, there is a misleading error message.	PFCD-3654
Users with isActive=null are not able to use the approve/deny direct action from an email.	PFCD-3812

## Backend Fixed Issues

Description	ID
When you delete records from a PP table via the Excel Client, the Delete event is not created.	PFCD-3251
During a PX migration (e.g. PX30 > PX6), when the field mapping is used, the Business Key in the PX configuration does not get updated accordingly and it is not possible to fix it manually. So e.g. if attribute30 is mapped to attribute5, attribute30 still remains.	PFCD-3285
An element result as SUM in api.find() does not get persisted.	PFCD-3522
A PX drop-down on PP values gets removed after each import of PP.	PFCD-3634

When using the inline configurator on a dashboard, the calendar dropbox for date user entry does not display the date selected in the text box.	PFCD-3820
In a PP table, record.lookupTableTypeId does not return any value.	PFCD-3860
On a PFX instance running on Oracle, a full matrix LPG causes an error (ORA-01795).	PFCD-3868