Explanations IP.Performance Portal

CONTENT

1	**ACESS IP.PERFORMANCE**	**2**
2	**MENU STRUCTURE IP.PERFORMANCE**	**3**
2.1	**Send a request**	**3**
2.2	**Request Status and Expert**	**5**
2.3	**Views**	**7**
3	**REPORT SPECIFICATIONS**	**8**
3.1	**Sheet Info**	**8**
3.2	**Sheet Report**	**8**

Business address
IPConcept (Luxemburg) S.A.
4, rue Thomas Edison
L-1445 Strassen, Luxembourg
Telefon +352 260248-1
Telefax +352 260248-3602

1 ACESS IP.PERFORMANCE

Access to the IP.Performance portal is via IP.Risk online at the following link:

https://iprisk.ipconcept.com

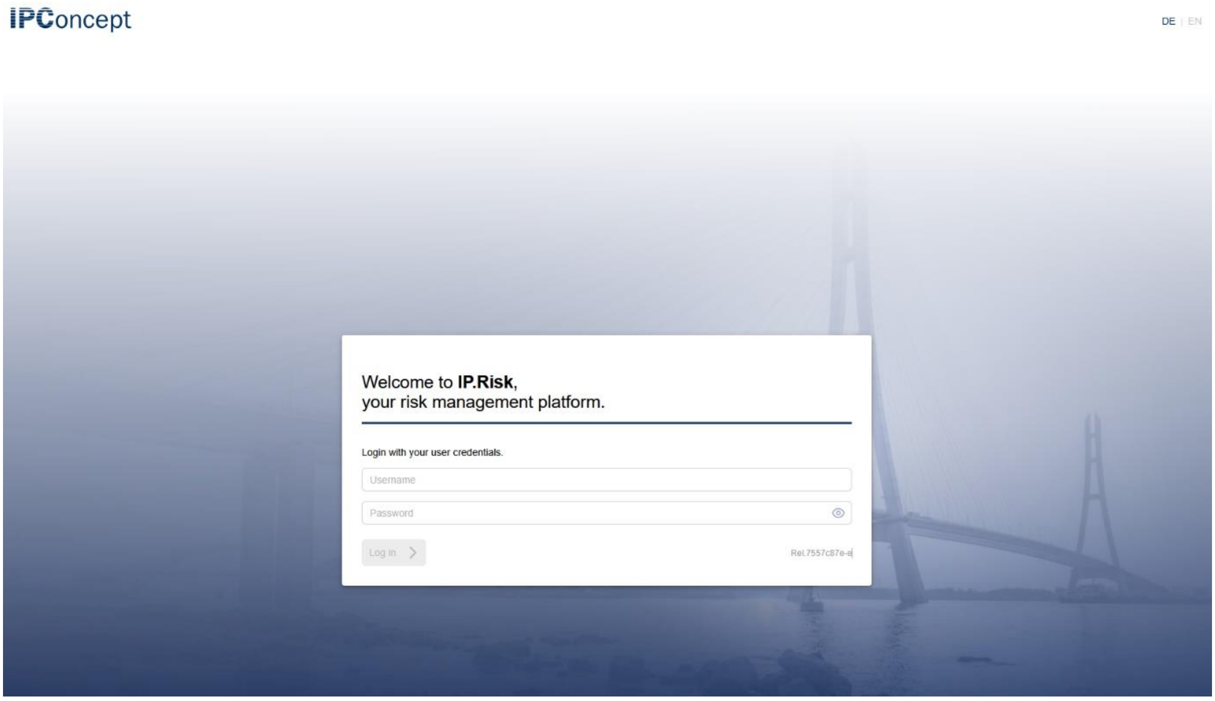

Figure 1: Access IP.Risk online

You can log in here with your normal user data. Then, in addition to the menu items belonging to the risk portal, you will also see the IP.Performance menu item.

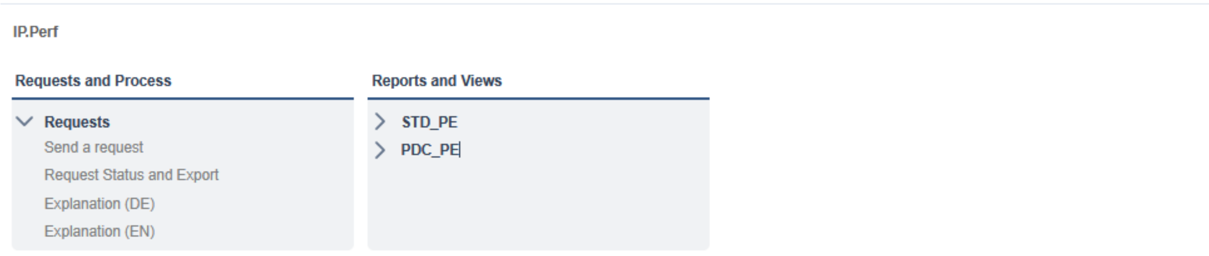

Figure 2: Access IP.Performance

2 MENU STRUCTURE IP.PERFORMANCE

In the IP.Performance portal you can

- Initiate performance calculation processes (menu item „Send a request“, see section 2.1)
- check the status of initiated or completed calculation processes (menu item „Request Status and Export“, see section 2.2)
- export performance reports (menu item „Request Status and Export“, see section 2.2)
- display and filter report results (subitems of „Reports and Views“, see section 2.3)

2.1 Send a request

To initiate a report, select "Send a request". The following view opens:

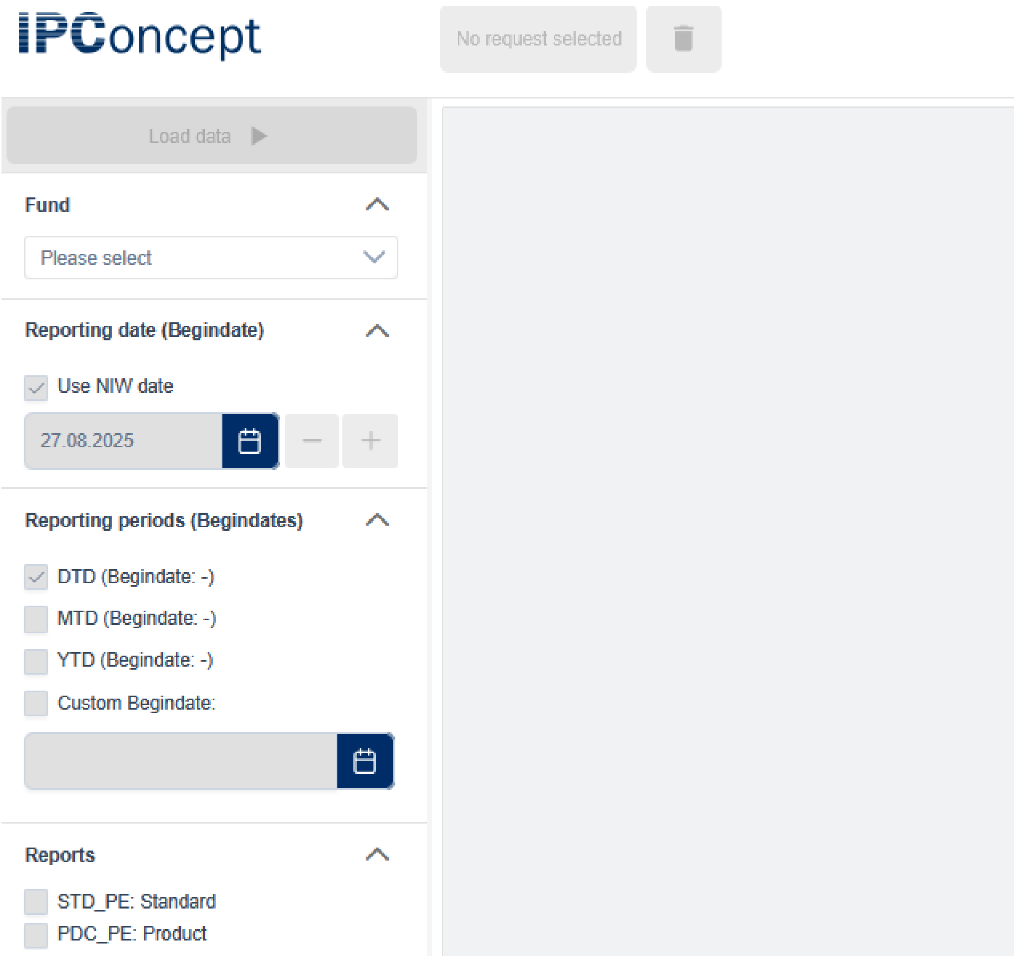

Figure 3: Options for the request

Under Fund you select the fund you want to report. You can find the reportable funds in a dropdown menu or you can search in the text field by entering name or ID.

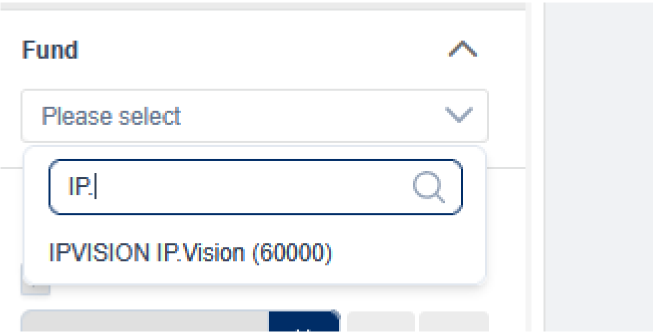

Figure 4: Fund selection by search (text field)

Then select the fund by clicking on the corresponding item in the list.

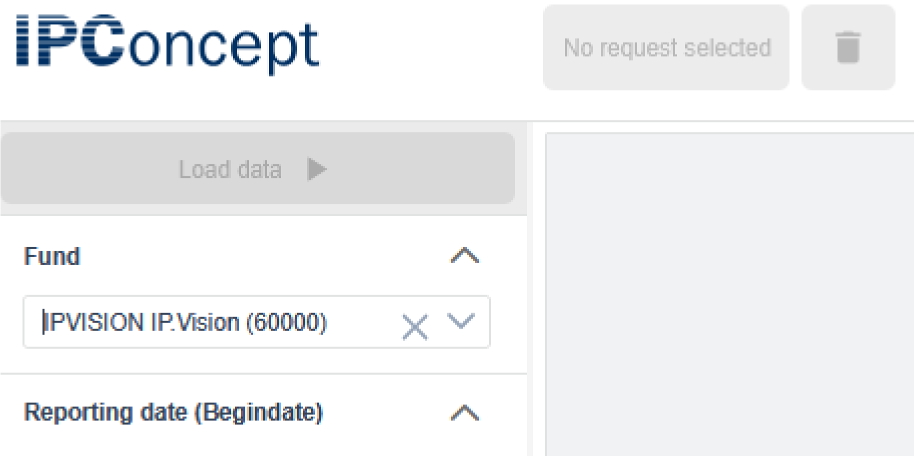

Figure 5: Fund selection by search (choice)

Under Reporting Date (EndDate) you define the end date of the report. Under Reporting Periods (BeginDates) you can define one or more report periods or start times for the reporting period. Select one or more of the predefined periods DTD, MTD, or YTD, or specify a start date of your choice in the Custom BeginDate field.

Finally, two report types are available for selection under Reports: STD_PE and PDC_PE.
Both report types contain key date and cumulative values for the fund and the individual assets. The PDC_PE report additionally contains a cumulative row for each product type, e.g. for shares.

Once all input parameters are set according to your wishes, prepare the request by clicking on ‘Load Data’.

Figure 6: Incorporate requests to list

The request will then appear in a list on the right side, where the report parameters can be checked again. Select all the reports you want to trigger via the checkboxes and send the requests by clicking on the "Submit * request(s)" field.

Figure 7: Initiate requests

As soon as the requests have been sent, the overview on the right side is updated. Below the report list, the sent report requests are listed. Even further below, there is now a view in which the status of the requests can be checked and completed requests can be exported. This view is identical to the view "Request Status and Export" which is explained in the following section 2.2.

2.2 Request Status and Expert

Under this menu item you can check the status of the performance reports you have initiated and export the results. As usual with a view in IP.Risk online, all request data that match the filter criteria in the left menu band are displayed after the query has been sent via ‘Load data’. The filter criteria can be configured individually. For example, properties such as date, request ID or fund ID can be filtered. The filter is preset to display all reports from the last ten days. This corresponds to the typical use case of checking the status of a report that has just been triggered and exporting it after completion. Of course, older requests can also be displayed and the corresponding reports exported.

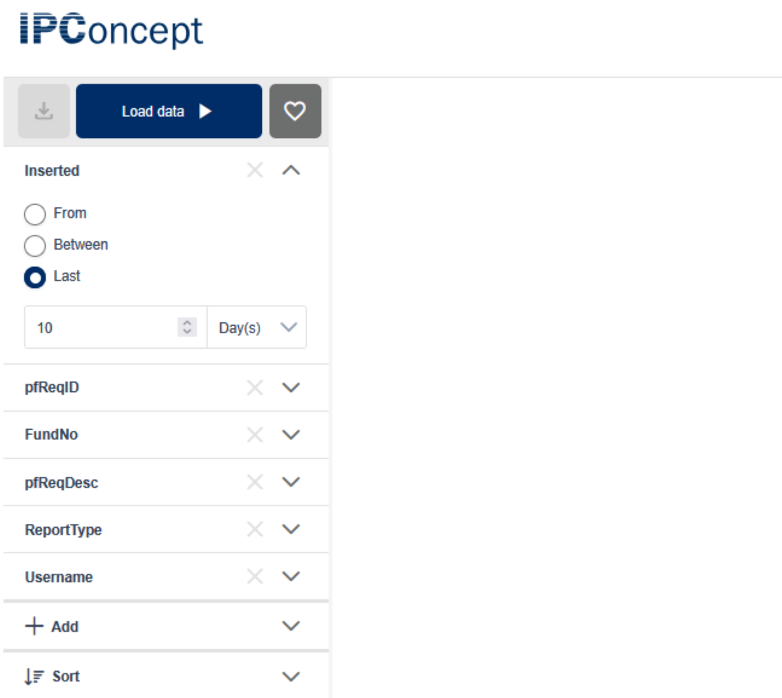

Figure 8: View Status and Export

The result of the query is displayed in tabular form. Requests with status "PRep2 done" are completed and can be exported.
You can activate the export dialog by selecting the checkbox on the left side of the table. This changes the view. Selection boxes and configuration fields appear:

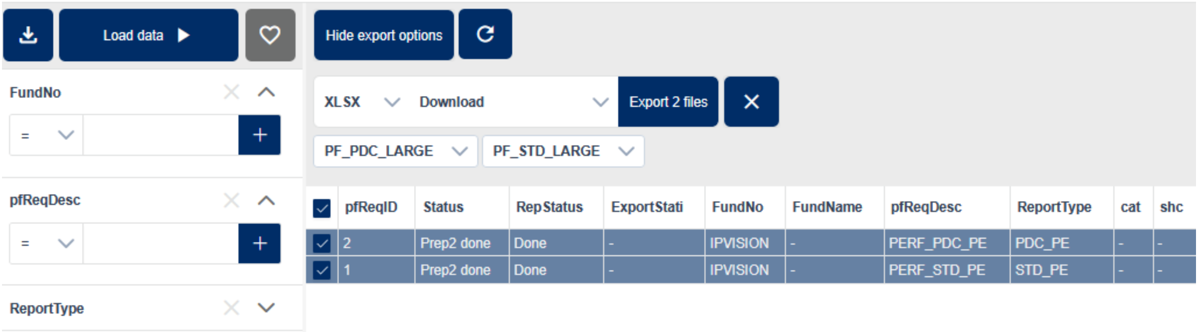

Figure 9: Export specification

The requests you want to export are defined by the corresponding checkboxes. The file format is set to MS Excel (xlsx) by default in the "xlsx" field and can be changed to xml.

One report format must be selected for each export request and report type. This is done via the fields in the second line. For each report type (like STD_PE or PDC_PE) a selection field appears. As long as no selection has been made, it is outlined in yellow (see Figure 11). The variants Small, Medium and Large are available for selection.

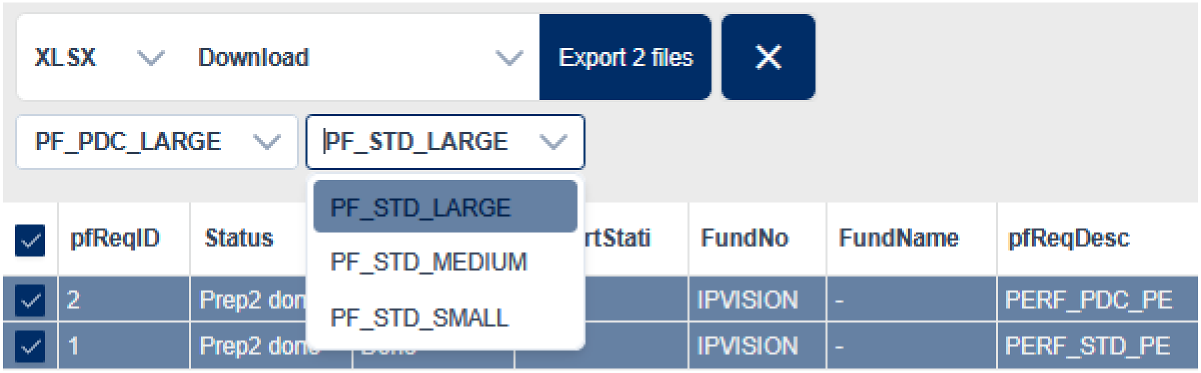

Figure 10: Options report variant

These variants determine which columns and which detail levels are included in the exported report. Especially the Small selection makes the resulting file much clearer. An overview of which columns are included in which report type can be found further down in this description.

2.3 Views

Instead of downloading the report, you can also view the results directly in the portal. You select the desired report type in the menu, PE_STD or PDC_PE. This will take you to an overview where you can also choose between Small, Medium and Large.

As usual for a view in IP.Risk online you can set filters in the left tab. You can define filter criteria for each column in the report. It is highly recommended to filter on a specific request ID (pfReqID). This ensures that only data for a single reporting run is displayed. Use the pfReqID of a request you have triggered or search for a suitable pfReqId via the "Request and Status Export" view (see section 2.2). Of course, you can also compare different request IDs with each other.

The query is performed by clicking on the big arrow. If you want to export the result of the query, this is also possible via the buttons on the left side.

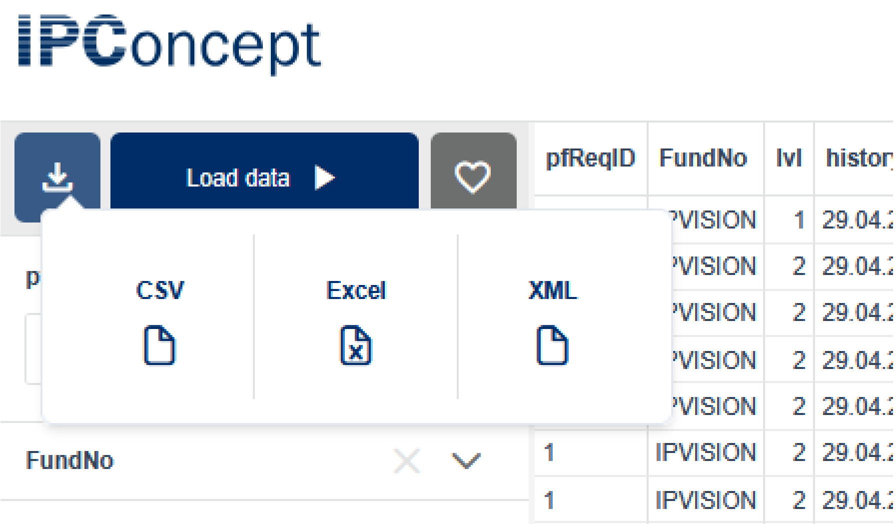

Figure 11: Views, export possibilities

3 REPORT SPECIFICATIONS

The following section describes the structure and content of the standard performance report in XLSX format.

3.1 Sheet Info

In this spreadsheet you can see the configuration of the report. Included are:

- PFReqID: the Request ID of the reports, an ongoing number in the system
- RequestDesc: QSUI, a technical entry
- RepCCY: Currency of the Reports
- Fundno: Fonds ID
- Fundname: Fund name
- ShareClasses: empty, the report is always for the whole fund
- PeriodDesc: chosen period for the report (DTD, MTD, YTD) or custom
- RefDateBegin: Start date of the report related to market prices
- RefDateEnd: End date of the report related to market prices
- NiwDateBegin: Start date of the report related to the determination of the net asset value
- NiwDateEnd: End date of the report related to the determination of the net asset value
- e: Environment, „p“ for production, a technical entry
- ReportType: chosen report type STD_PE or PDC_PE
- TimeStart: Start time, time when the report was started
- TimeEnd: End Time, time when the report was ended

3.2 Sheet Report

The columns listed in the Sheet Report depend on the selected specification (Small, Medium and Large). In the selection Large all columns are finally included.

For the Small configuration, only columns in report currency are included. Explicitly these are:

- \- PFReqID: the request ID of the report, a sequential number in the system.
- \- FundNo: the fund ID of the accounting.
- \- Lvl: this field and especially the available filter option are used to group the performance report into different levels. The larger the number, the more granular the data displayed.
- History: RefDateEnd, the end date of the report related to market prices.Instrument: Technischer Identifier der Position
- Descriptor: Description of the position (e.g. name of a security).
- ISIN: ISIN of the security, if available.
- Product: product type of the position (e.g. equity).
- IC: unique currency of the position, if available.
- Position: number of units or nominal of the position
- pvDirty_RC: position value in reporting currency including accrued interest
- priceClean: Price in position currency excluding accrued interest (clean price)

- priceDirty: Price in position currency including accrued interest (dirty price)
- plTotal_RC: Profit or loss (PL) of a position during the period under review in reporting currency.
- pcTotal_RC: Performance contribution (PC) over the period under review in reporting currency.
- twrTotal_RC: time weighted return (TWR) over the period under review in reporting currency
- Terminated: still in portfolio (false) or expired/sold (true)

For the Medium and Large configurations, various columns are added.

For the Medium Report, these are in particular the breakdown of the PL, TWR and PC values according to their origin:

- Div_RC: Income from dividends
- Int_RC: Income from interest
- Fees_RC: Fee costs, for assets usually the transaction costs
- Mrkt_RC: Income from market prices

For the **Large** Report, values in position currency and exchange rate effects are added in particular:

- FxRate: Exchange rate from position currency to reporting currency.
- Values like PV and PL in position currency (there the ending _RC is missing in the column name)
- Split of PL, TWR and PC into effects from exchange rate effects (RFx) and effects without exchange rate effects (RnFx)