My Control System (web)

End customer data upload and analysis process

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Introduction

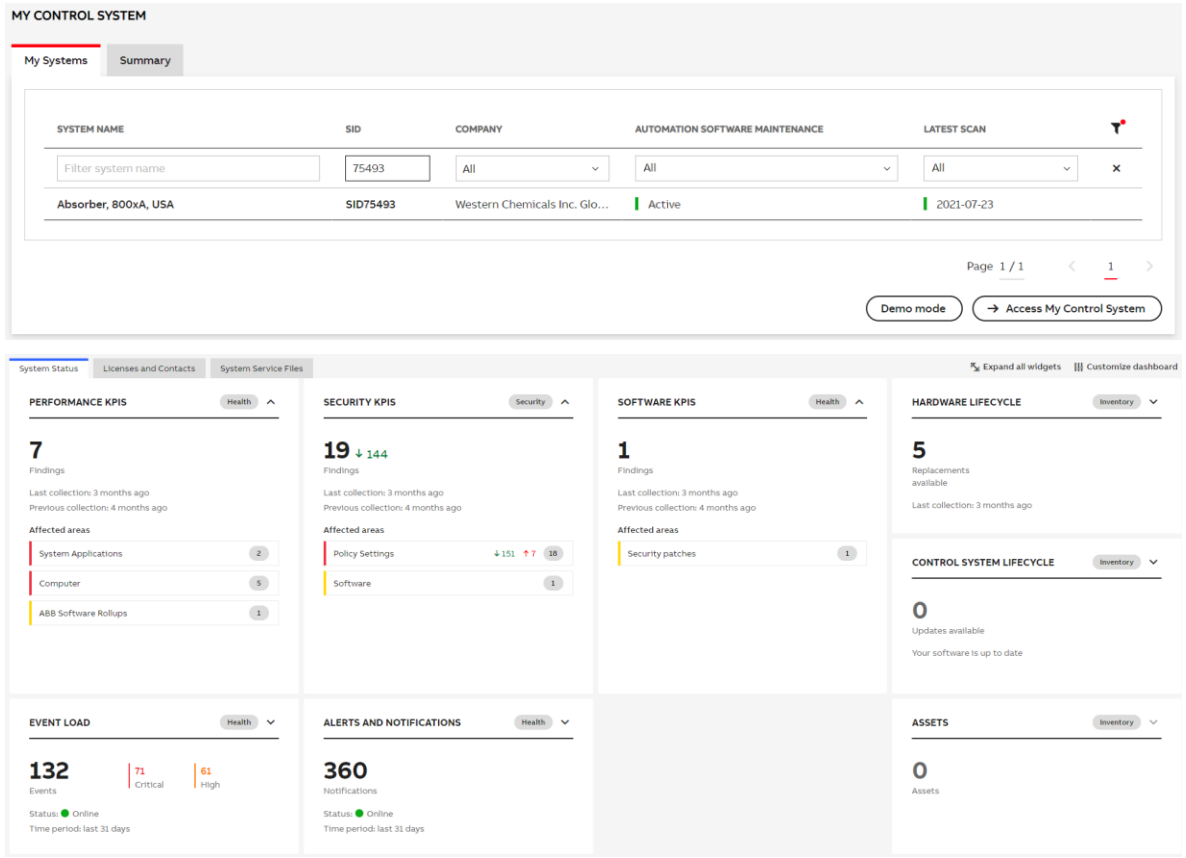
This Training describes the process of data upload and analysis to My Control System for end customers.

The process description starts with the upload process of the System data file to My Control System and does not include the data collection process on site. A dedicated training plan for data collection is available at ABB myLearning (Link).

It includes the following chapters:

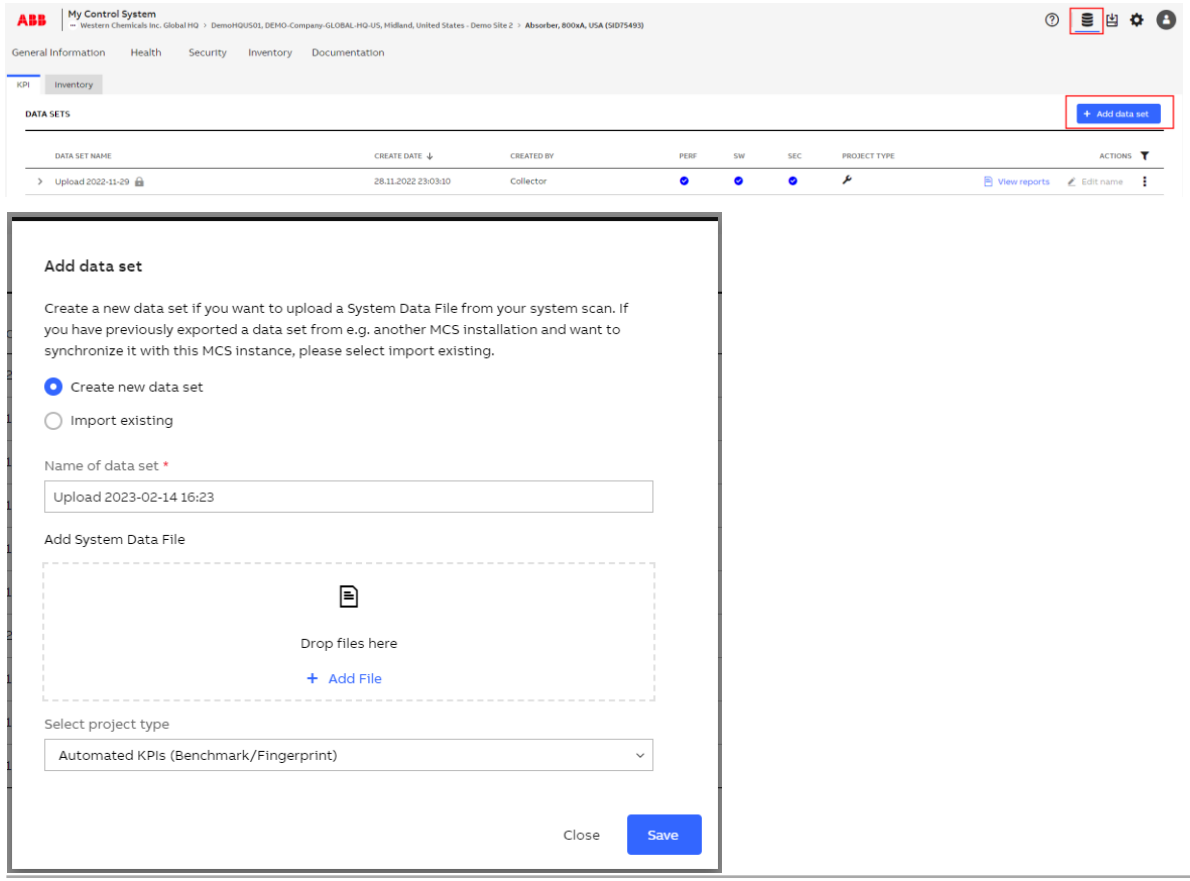
1. My Control System login and SID selection
2. Uploading the system data file to My Control System
3. Viewing the results & explanations of the KPI analysis in My Control System
4. Creating a paper-based report (optional)

1. Select the SID



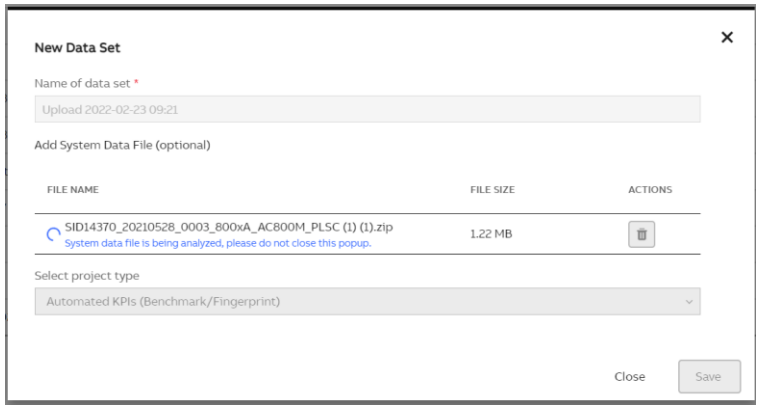
1. Open myABB business portal (https://myportal.abb.com/)
2. Browse for the My Control System widget
3. Enter the SID in the SID column filter for which you want to upload the collected system data file (SDF). In case the SID is not shown in the list, please contact your local ABB contact.
4. Click on the SID to enter the SID system status page

2. Upload the system data file



1. Go to the data sets section in the upper right corner
2. Go to the “KPI” tab and click on „Add data set“
3. A new tab with a pop-up will be opened
4. Choose “Create new data set”
5. Enter a name for the data set or use the automatically created name (Upload yyyy-mm-dd hh:mm)
6. Drag & Drop the System data file (the output file of your collection process with the MCS-DC) into the popup and click on the „Save“ button

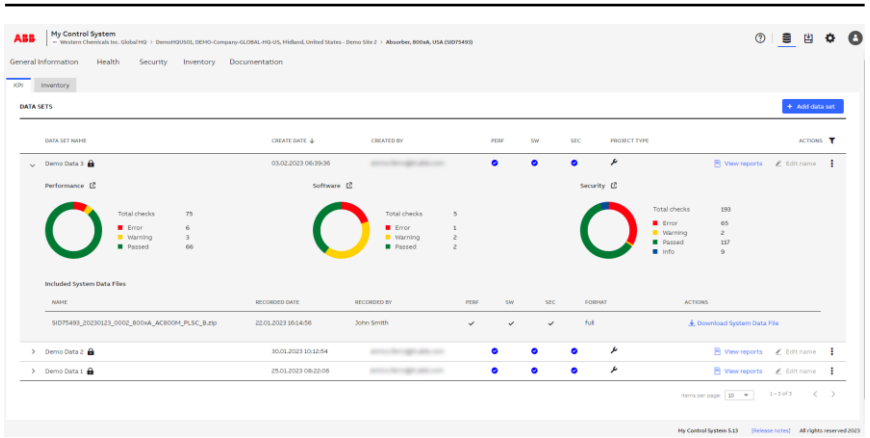
2. Upload the system data file



4. The system data file is analyzed
5. Once the analysis is completed you can close the pop-up.
6. The uploaded data is now available in the data sets page and the dashboards of the different categories.

   Please note the availability of these categories depends on your system family and the selection in the collection process.

2. Upload the system data file



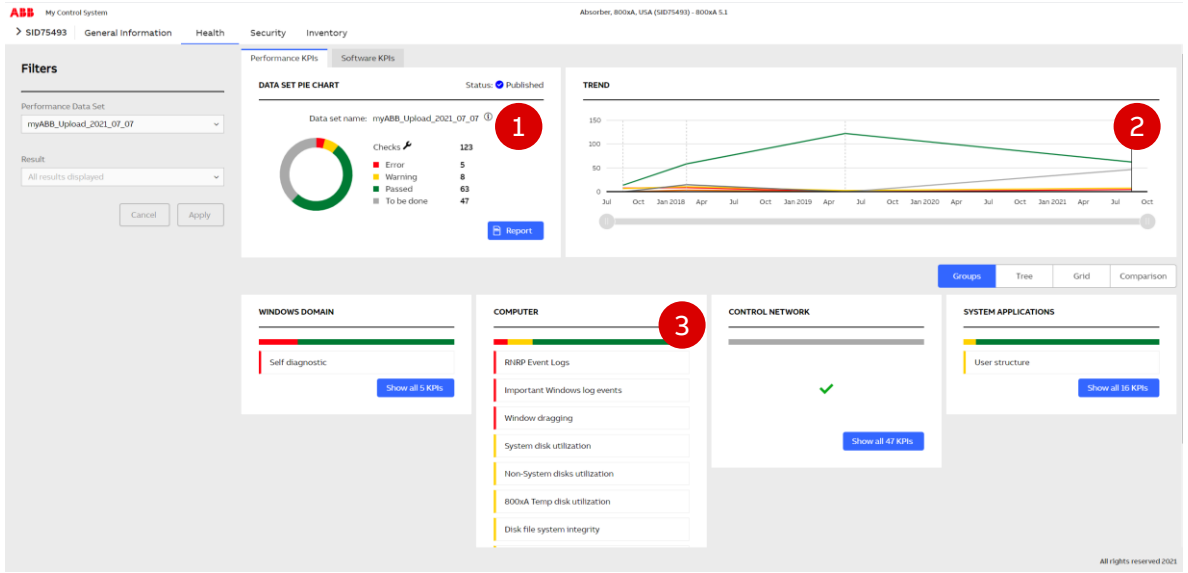
The data set page has 2 different tabs (KPI & Inventory)

The **KPI tab** shows all collected data sets and their details, namely:

- Name, Create date and person, Collected categories (Performance, Software, Security). The checkmarks indicate which category has been collected. The blue checkmarks indicate that this category has already been published.
  Actions give you all the necessary functionalities to manage and edit your data sets.
- You can expand each data set to see the analysis results and more details and jump to the different category overview pages via the hyperlink next to the heading (e.g. “Performance”).

The **Inventory tab** shows all created inventory / lifecycle reports and data history of the imported inventory data.
Inventory always shows the latest status which is a combination of all imported data from the past. Use the “clear inventory data” button to delete all old inventory data and upload a newly collected file.

3. View the analysis results



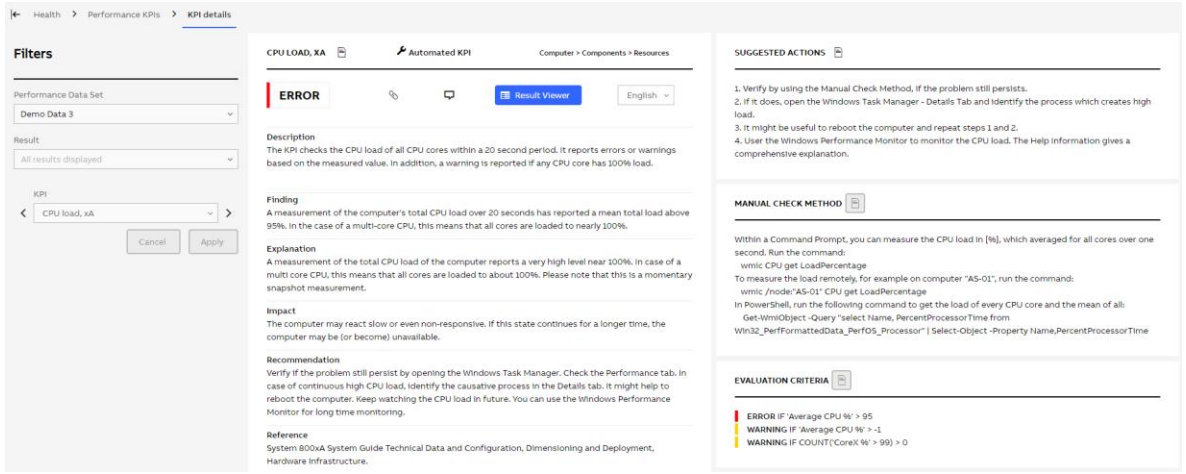
Category Overview Page

Use the filter area on the left side to choose the data set which should be reviewed. Additionally, you can filter for specific results (e.g. Error).

The main section of the screen displays 3 different widgets:

1. A pie chart in the top-left that presents all KPI results from the selected data set in an easy and comprehend manner
2. A trend graph in the top-right, that gives you an overview how results changed in time for the currently selected SID
3. KPIs and their results at the bottom which can be browsed using different views that will help you easily find the most relevant data.
   Click on any KPI in any view to access the corresponding KPI details page

3. View the analysis results



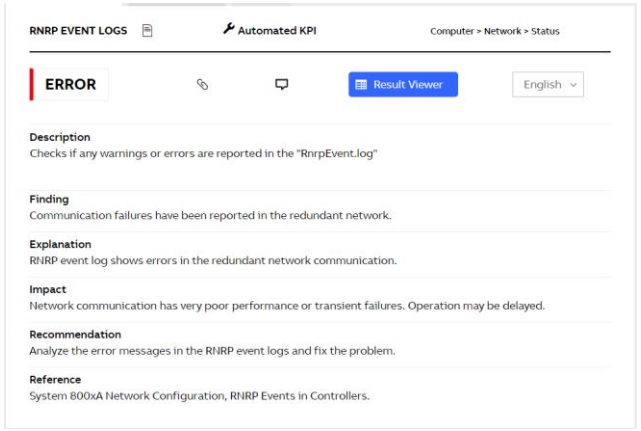
KPI Details Page

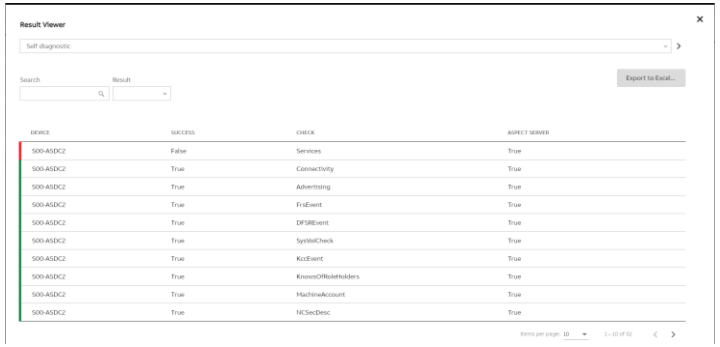
- The KPI Details page shows you all relevant information concerning one specific KPI
- There are 4 widgets available:
  - KPI result
  - Suggested actions *
  - Manual Check Method *
  - Evaluation criteria
- For some KPIs additional information is available via the documentation icon next to the widget name.

* only available with an active System Fingerprint or System Assessment license

3. View the analysis results

1. KPI Result widget





Shows the KPI result of the analysis including additional information, descriptive text elements and actions that are necessary to solve the reported issue.

Following actions are available:

- You can add different attachments and a comment for each KPI via the corresponding buttons next to the analysis result.
- The Result viewer gives you the possibility to access the raw data that was collected for each device for the specific KPI. You have the possibility to export this specific KPI, all KPIs from this category or all KPIs, to Excel for further investigations. *

Additional descriptions are available for troubleshooting the issue. These are:

- Finding - general information about how the KPI affects your system
- Explanation - technical explanation of the reported result *
- Impact - short description of the expected or possible consequences for plant operation *
- Recommendation - recommendations and required actions that are necessary to solve the reported issue *
- Reference – references to ABB user manuals *

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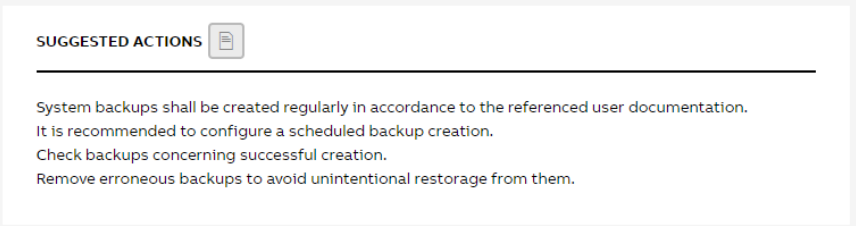
3. View the analysis results

2. Suggested actions *



Gives detailed information about the actions to take to resolve this issue

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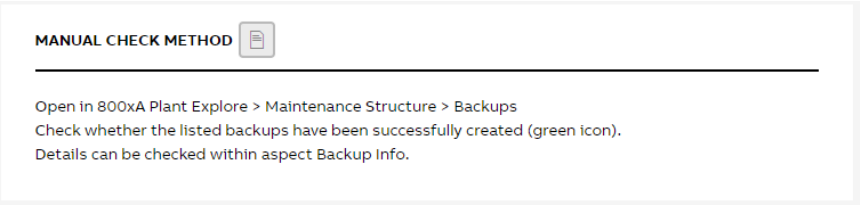
3. View the analysis results

2. Manual check method *



Explains how this KPI can be manually collected.

This is either used when:

- An issue was fixed and you do not want to run another MCS-DC scan
- A System Assessment is performed where you need to collect some of the KPIs manually.

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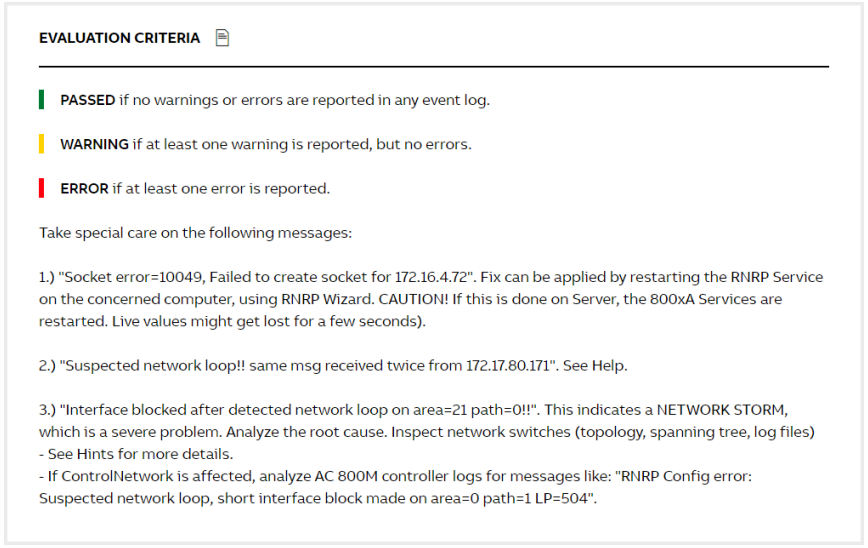
3. View the analysis results

2. Evaluation Criteria widget

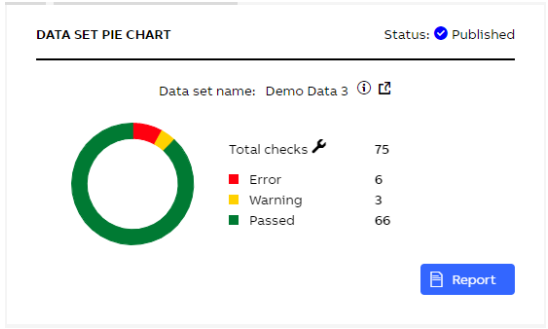


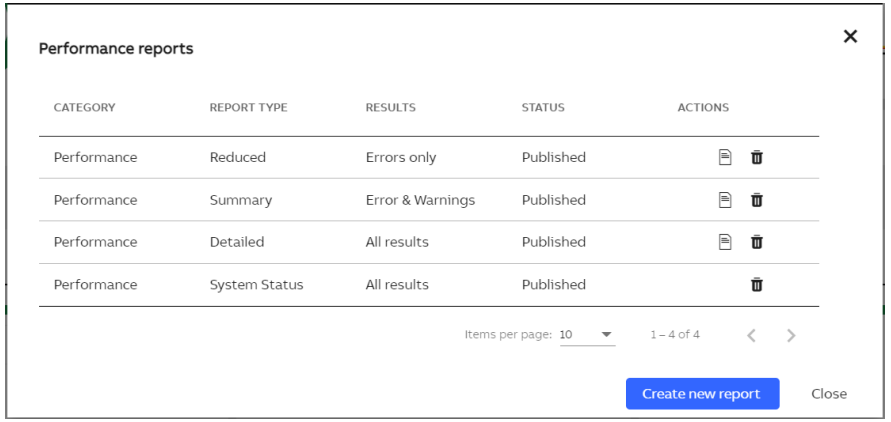
Explains more in detail how the result is calculated, or which result shall be selected (in case of manual KPIs)

- For manual KPIs the evaluation is done using the “Evaluation Criteria” widget, which explains when a KPI should be set to “Passed”, “Warning” or “Error”.
- The result is entered by clicking on the “pencil” button in the “KPI result” widget next to the result.

4. Create a report (optional)

Report Creation Characteristics





My Control System gives you the possibility to create and download all the analysis results and text elements via a dedicated report.

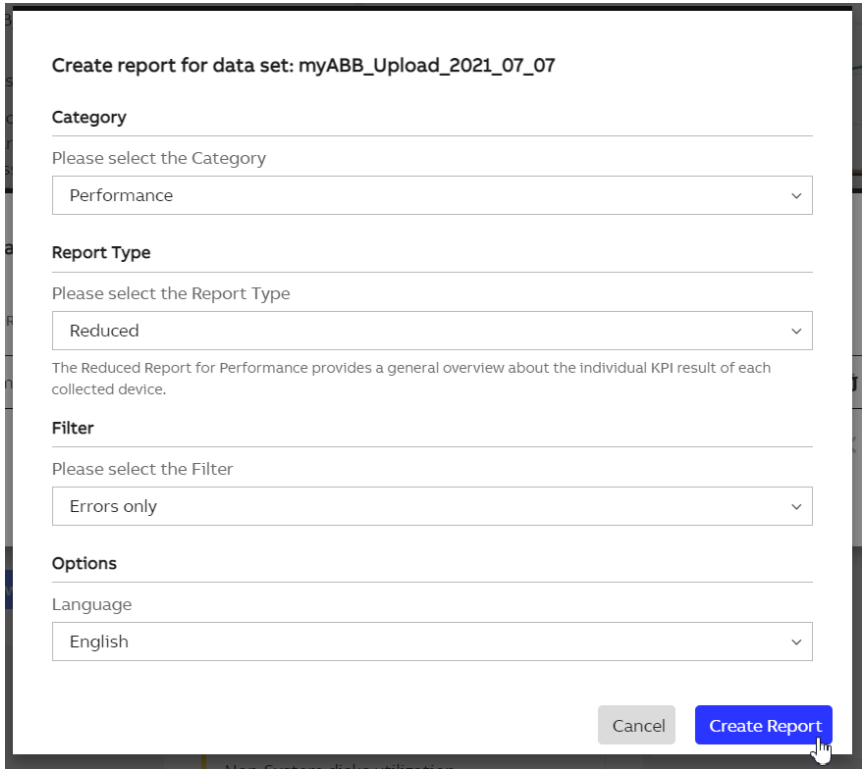
Click on the “Report” button either in the “System Status” widget (on the SID details page) or in the “Data Set Pie Chart” widget (on the analysis overview page).

A pop-up will open where already created reports can be accessed or new reports can be created.

Click on “Create new report”.

4. Create a report (optional)

Report Creation Characteristics



The report wizard guides you through the different selection possibilities (category, report type, filter, options).

Following report types are available:

- **Summary** - Provides a short overview about the overall KPI results
- **Reduced** - Provides a general overview about the individual KPI result of each collected device
- **Detailed** - Provides in-depth information about the individual KPI result of each collected device and descriptive text elements for each finding (1)
- **Complete** - Provide in-depth information about the individual KPI result for each collected device, descriptive text elements for each finding and an appendix with all data points that were used for the analysis (1)
- **Benchmark** - Legacy report type that is comparable to the new “Reduced Report” type
- **Fingerprint** - Legacy report type that is comparable to the new “Detailed Report” type (1)
- **Assessment** - Legacy report type that is comparable to the new “Complete Report” type (2)

Once the selection is done click on “create report”.

1. Only possible with an active System Fingerprint license
2. Only possibly with an active System Assessment license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