Reports and Data Access

Factory Studio has the capability to generate reports on the fly. This can even be done on client displays or for saving in files like XPS, HTML, Unicode, ASCII, and PDF.

These reports can have multiple graphical components like tables, tags, grids, trends, etc. All of these components have the ability to update data when a report is generated. This provides users with the most up-to-date data in their reports.

Creating Reports

This section lets you configure and save a report's basic properties. Standard content can be added with the report editor. Then, application users can run reports.

To create or edit a report:

1. Go to Edit > Reports > Reports.
2. Select a report name or select the insert row (first row) to create a new report.
3. Enter or select information, as needed.

Column	Description
Name	Enter a name for the report. The system lets you know if the name is not valid.
Padding	Select padding when replacing a tag name with its value (the field for a tag will have the same number of spaces as the tag name is long). • Compact—Removes any extra characters and displays only the tag value. • PadRight—Puts extra space for each character to the right of the tag value. • PadLeft—Puts extra space for each character to the left of the tag value.
SaveFormat	Select the report format: • XPS • HTML • Unicode • ASCII • PDF
SaveFileName	Enter a string and {ObjectProperties}. Use the full path.
SaveTrigger	Enter an object property that will be the trigger.
Append	Enter the file to append the report
Size	Report size configuration.
EditSecurity	Check what user groups can edit the report
Header	Choose another report to be the Header.
Footer	Choose another report to be the Footer.
Legacy	Read-only. Show if the report is a legacy.
Description	Enter a description of this report.
[Other columns]	See Common Column Definitions, for the definitions of any other available columns.

⚠ To change the report format between “portrait” and “landscape”, you need to change it in both NovaPDF (printer used by FactoryStudio) and the target printer.

Using the Report Editor

You create text, formatting, and values using the text editor.

To use the text editor:

- Go to **Edit > Reports > TextEditor**.
- Create the text, tags, and formatting for the report.
- Click **Save**.
- Configure the report properties for the display dynamics or script that will run the report.

Report Runtime Objects

The namespace **Report** lists all of the configured reports.

The most commonly used method of the report is the Save Command:

```
Report.Report1.SaveCommand()
```

See "Namespaces" for the complete programming reference on runtime objects.