



# TEAMCENTER

## Report Management Using Report Generator

Teamcenter 2412

Unpublished work. © 2025 Siemens

This Documentation contains trade secrets or otherwise confidential information owned by Siemens Industry Software Inc. or its affiliates (collectively, "Siemens"), or its licensors. Access to and use of this Documentation is strictly limited as set forth in Customer's applicable agreement(s) with Siemens. This Documentation may not be copied, distributed, or otherwise disclosed by Customer without the express written permission of Siemens, and may not be used in any way not expressly authorized by Siemens.

This Documentation is for information and instruction purposes. Siemens reserves the right to make changes in specifications and other information contained in this Documentation without prior notice, and the reader should, in all cases, consult Siemens to determine whether any changes have been made.

No representation or other affirmation of fact contained in this Documentation shall be deemed to be a warranty or give rise to any liability of Siemens whatsoever.

If you have a signed license agreement with Siemens for the product with which this Documentation will be used, your use of this Documentation is subject to the scope of license and the software protection and security provisions of that agreement. If you do not have such a signed license agreement, your use is subject to the Siemens Universal Customer Agreement, which may be viewed at <https://www.sw.siemens.com/en-US/sw-terms/base/uca/>, as supplemented by the product specific terms which may be viewed at <https://www.sw.siemens.com/en-US/sw-terms/supplements/>.

SIEMENS MAKES NO WARRANTY OF ANY KIND WITH REGARD TO THIS DOCUMENTATION INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY. SIEMENS SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, LOST DATA OR PROFITS, EVEN IF SUCH DAMAGES WERE FORESEEABLE, ARISING OUT OF OR RELATED TO THIS DOCUMENTATION OR THE INFORMATION CONTAINED IN IT, EVEN IF SIEMENS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

TRADEMARKS: The trademarks, logos, and service marks (collectively, "Marks") used herein are the property of Siemens or other parties. No one is permitted to use these Marks without the prior written consent of Siemens or the owner of the Marks, as applicable. The use herein of third party Marks is not an attempt to indicate Siemens as a source of a product, but is intended to indicate a product from, or associated with, a particular third party. A list of Siemens' Marks may be viewed at: [www.plm.automation.siemens.com/global/en/legal/trademarks.html](http://www.plm.automation.siemens.com/global/en/legal/trademarks.html). The registered trademark Linux® is used pursuant to a sublicense from LMI, the exclusive licensee of Linus Torvalds, owner of the mark on a world-wide basis.

## About Siemens Digital Industries Software

Siemens Digital Industries Software is a global leader in the growing field of product lifecycle management (PLM), manufacturing operations management (MOM), and electronic design automation (EDA) software, hardware, and services. Siemens works with more than 100,000 customers, leading the digitalization of their planning and manufacturing processes. At Siemens Digital Industries Software, we blur the boundaries between industry domains by integrating the virtual and physical, hardware and software, design and manufacturing worlds. With the rapid pace of innovation, digitalization is no longer tomorrow's idea. We take what the future promises tomorrow and make it real for our customers today. Where today meets tomorrow. Our culture encourages creativity, welcomes fresh thinking and focuses on growth, so our people, our business, and our customers can achieve their full potential.

Support Center: [support.sw.siemens.com](http://support.sw.siemens.com)

Send Feedback on Documentation: [support.sw.siemens.com/doc\\_feedback\\_form](http://support.sw.siemens.com/doc_feedback_form)

# Contents

**What is Report Generator?** 1-1

**Basic setup** 2-1

## **Basic tasks**

**Generate a new report** \_\_\_\_\_ 3-1

**View reports** \_\_\_\_\_ 3-1

**Print a report** \_\_\_\_\_ 3-1

**Export a report** \_\_\_\_\_ 3-2

**Regenerate a report** \_\_\_\_\_ 3-2

**Save a report to view later** \_\_\_\_\_ 3-3

**Assign costs and generate a cost report** \_\_\_\_\_ 3-4

## **Customization tasks**

**Customize reports** \_\_\_\_\_ 4-1

**Create custom report layouts** \_\_\_\_\_ 4-1



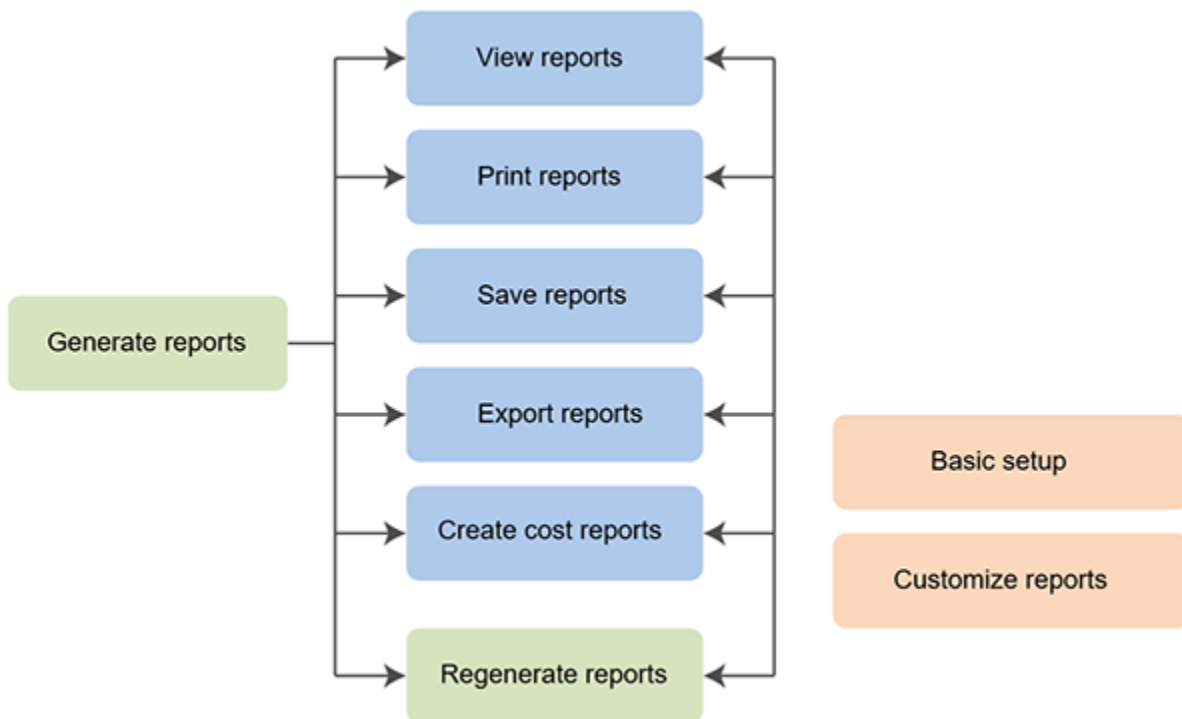
# 1. What is Report Generator?

Use Report Generator to generate reports from the Manufacturing Process Planner, Part Planner, or Resource Manager applications. You can view and share the reports in HTML using a web browser.

Several default report types are available as part of Teamcenter manufacturing process management:

- Standard reports detailing basic product, process, and plant information.
- Alternate process reports presenting process operations and subprocesses in an alternate format.
- Cost reports detailing costs for products, processes, and plant work areas.

## Basic tasks



## Types of data that can be reported

- Information about the structures of your process plan, including process, operation, activity, product, and plant structures
- Current version details

- Image files and JT files
- Datasets
- Forms
- Folders
- Timing information for a process
- Cost data for the process, product, and plant

## 2. Basic setup

- The Java environment must be configured and the JT viewer set up, as described in the **Manufacturing Process Planning — Deployment and Administration** documentation.
- You must have the supported versions of Microsoft Internet Explorer or Firefox to view the reports.
- Report Generator is installed when you install the rich client.
- Report Generator does not need to be enabled or configured. If it is installed and meets the prerequisites, the application is available and ready to use.



# 3. Basic tasks


## Generate a new report

You can generate a report for any product, process, or plant object.

1. In Manufacturing Process Planner or Part Planner, select an object from the tree hierarchy in the structure view.
2. Choose **Open With**→**Report** from the shortcut menu.

Note:

You can also use the shortcut menu or drag-and-drop functionality to send the object to the Report Generator application.

3. From the **Type** list at the bottom of the application window, select a report type.
4. Click **Generate Report** .

The report is generated and displayed in the web browser.

## View reports

A report is generated as a set of linked HTML pages viewable through a Web browser. You can navigate the report using both the links that are embedded within the report and the standard navigation buttons available in the browser.

There are two types of links embedded within the report:

- *External links* access a different page of a report, such as subprocesses or operation.
- *Internal links* expand or collapse information within the same page of the report, such as showing or hiding an image or a table.


## Print a report

- Open the report in a web browser and print it from there.

Only the currently displayed page is printed, and this may not show the whole structure.

## Export a report

The export function allows you to export all files associated with the report to an external directory.

1. In Manufacturing Process Planner or Part Planner, select an object from the tree hierarchy in the structure view.
2. Choose **Open With**→**Report** from the shortcut menu.
3. From the **Type** list at the bottom of the application window, select a report type.
4. Click **Export Report** .
5. In the **Export Report** dialog box, select a directory location and enter a file name for the exported report file.


Note:

If the specified file name already exists, the existing file is overwritten.

6. Click **Export**.

All report files are generated for the selected object and exported to the directory you specified. The given file name is shown as the starting page of the report.

Note:

If the report has previously been generated, it is exported without being regenerated. To regenerate the report before export, click **Regenerate** .

## Regenerate a report



Regenerating a report allows you to apply different style sheets to the same data without regenerating the XML data for each report.

This option is available only if you have generated and exported the report at least once previously.

Note:

If you choose this option, any changes made to the product, process, or plant structure since the report was generated are not included in the report.

1. In Manufacturing Process Planner or Part Planner, select an object from the tree hierarchy in the structure view.

2. Choose **Open With**→**Report** from the shortcut menu.
3. From the **Type** list at the bottom of the application window:
  - Click **Regenerate**  to regenerate the report with the same report type.
  - To regenerate a report with a different report type, select a new report type and click **Regenerate** .

The report is generated with the report type using the currently selected product, process, or work area.

## Save a report to view later


You can save a generated report with the selected product, process, or plant revision. When a report is generated, Teamcenter manufacturing process management creates a new **CME\_Report** dataset and stores all the report's related files in this dataset.

This option is available only if you have generated and exported the report at least once previously.

The report is not updated automatically if the product, process, or plant structure is changed. When changes are made to these objects, you must generate and save the report again.

A previously saved report can be viewed from any application where the report is visible, without having to regenerate them.

### Save a report

1. Generate a report.
2. Click **Save** .

The report is saved as a **CME\_Report** type dataset, with the current report type as its name. It becomes attached to the current product, process, or plant revision.

If earlier versions of the same report exist, the **Save report to database** dialog box is displayed and you must confirm that you want to overwrite the previously saved version.

### View a saved report using the Report Data view

1. In Manufacturing Process Planner or Part Planner, select an object from the tree hierarchy in the structure view.
2. Choose **Open With**→**Report** from the shortcut menu.

3. From the **Type** menu, select the type of report to be viewed.
4. Click **View Existing Report ...**.

### View a saved report using the tree hierarchy

- To view a previously saved report from a tree hierarchy with the My Teamcenter application or in the Manufacturing Process Planner or Part Planner **Attachments** view, double-click the report dataset in the tree hierarchy. If the report is available, the most recently saved version is displayed in a browser.

## Assign costs and generate a cost report

### Creating cost reports

Tracking costs is a valuable tool to an organization. Manufacturing costs may include the costs of labor, materials, tools, machines, or other costs associated with the production of products.

To support this need, Report Generator includes the capability to show costs assigned to items and the cost totals in a report.

Cost data can be assigned to any item revision in any of your product, process, or plant structures.

### Assign costs to an item

To assign costs to an item, create a **CostData** form, attach it to an item, and assign a monetary value to it.

Note:

The **CostDataForm** type is installed when you install the rich client.

1. Select the item to which the costs are being assigned from the **Product**, **Process**, or **Plant** structure view in Manufacturing Process Planner or Part Planner.
2. Open the item in the **Attachments** view.
3. From the **Attachments** view, select the item revision.
4. Choose **File**→**New**→**Dataset**.

The **New Form** dialog box is displayed.

5. Select the **CostDataForm** type.
6. Type values in the **Name** and **Description** boxes.

7. Select **Open on Create**.
8. Click **OK**.


The **Cost Data form** dialog box is displayed.

9. In the **CostAmount** box, type a currency value for the item.
10. Click **OK**.

The cost data form is added as an entry in the **Attachments** view.

### Generate a cost report

After you assign cost values to items in your product, process, and plant structures, you can generate reports that display each item and its associated cost.

1. Select the item for which costs are being reported from the tree hierarchy in the structure view in Manufacturing Process Planner or Part Planner.
2. Choose **Open With**→**Report** from the shortcut menu.
3. From the **Type** menu, select the cost report.
4. Click **Generate Report** .



# 4. Customization tasks

## Customize reports

In addition to the standard reports provided by Report Generator, you can create your own custom reports. You can also customize the report layout by creating and using your own XSL style sheets.

Report Generator generates an XML file (**report\_data.xml**) that acts as a source of data when reports are generated.

Note:

The PLM XML schema is the default schema. If you used other XML schemas in the previous versions of Teamcenter, you must change a value in the **cmereport\_user.properties** file to view that report.

### Switch between PLM XML and other XML schemas

1. Open the **cmereport.properties** and **cmereport\_user.properties** files located in the `TC_ROOT\portal\plugins\com.teamcenter.rac.cme.cmereport_9000.0.0\com\teamcenter\rac\cme\cmereport` directory.
2. From the **cmereport.properties** file, copy the line that contains **report\_xml\_file\_type** to the **cmereport\_user.properties** file.
3. In the **cmereport\_user.properties** file, change the **report\_xml\_file\_type** value to either **plmxml** for PLM XML schema or **xml** for other XML schemas.
4. Save the modified **cmereport\_user.properties** file.
5. Restart the rich client.

## Create custom report layouts

When you install the rich client, the report is presented by translating the report data in the XML file using an XSL style sheet that is installed with the application. You can replace the default style sheet with one of your own.

The custom style sheets can include or import other style sheets. The permanent information for the header, footer, or links is usually designed in one or more separate style sheets and is included or imported by the main style sheet.

Specify the names and locations of your custom style sheets in the **cmereport.properties** file for the application.