

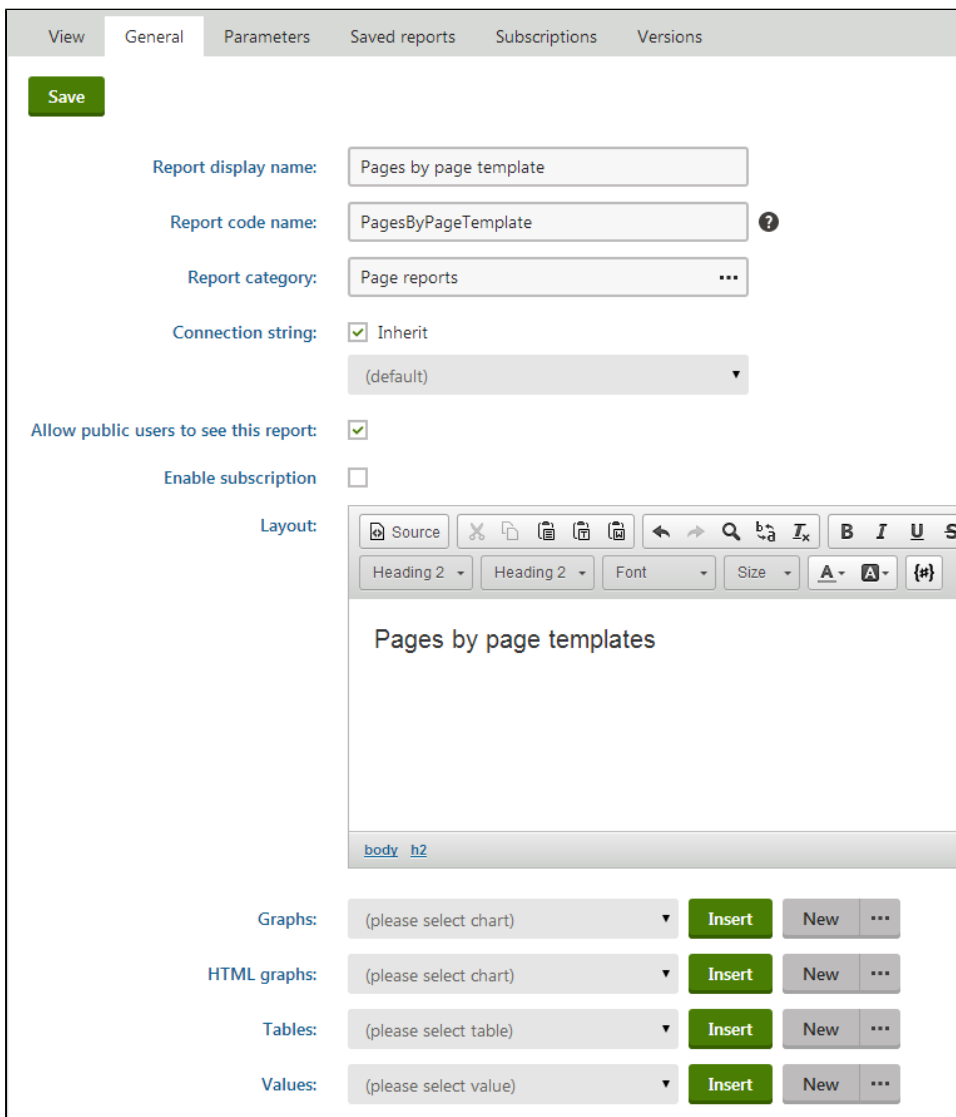
This example demonstrates how to create a report that displays a table, graph and value, and uses a reporting parameter:

Creating a report category

1. Open the **Reporting** application.
2. Select the root of the reporting tree (the **All reports** category by default).
3. Click ... next to the **New report** button and select **New category**.
4. Type *User reports* as the **Category display name**.
5. You can leave the code name as *(automatic)*.
6. Click **Save**.

Creating a new report

1. In the **Reporting** application, click **New report**.
2. Type *Pages by page template* as the **Report display name**.
3. Click **Save**.
 - Now you can edit the layout of the report and insert tables, graphs and values.
 - The **General** tab of the report editing interface opens.
4. Type *Pages by page template* into the **Layout** text area.
5. Select the text and use the editor to set the **Format** to *Heading 1*.



The screenshot shows the 'General' tab of the Kentico Reporting application. At the top, there are tabs for 'View', 'General', 'Parameters', 'Saved reports', 'Subscriptions', and 'Versions'. A green 'Save' button is in the top left. The form contains the following fields and controls:

- Report display name:** Text box containing 'Pages by page template'.
- Report code name:** Text box containing 'PagesByPageTemplate' with a help icon (?) to its right.
- Report category:** Dropdown menu showing 'Page reports' with a three-dot menu icon to its right.
- Connection string:** A checked checkbox labeled 'Inherit' and a dropdown menu showing '(default)'.
- Allow public users to see this report:** A checked checkbox.
- Enable subscription:** An unchecked checkbox.
- Layout:** A rich text editor area. The toolbar includes icons for Source, Cut, Copy, Paste, Undo, Redo, Find, Bold, Italic, Underline, and Strikethrough. Below the toolbar, there are dropdowns for 'Heading 2', 'Heading 2', 'Font', and 'Size', followed by text color and background color pickers. The text area contains the text 'Pages by page templates'. At the bottom of the editor, a status bar shows 'body h2'.
- Graphs:** A dropdown menu showing '(please select chart)', a green 'Insert' button, a grey 'New' button, and a three-dot menu icon.
- HTML graphs:** A dropdown menu showing '(please select chart)', a green 'Insert' button, a grey 'New' button, and a three-dot menu icon.
- Tables:** A dropdown menu showing '(please select table)', a green 'Insert' button, a grey 'New' button, and a three-dot menu icon.
- Values:** A dropdown menu showing '(please select value)', a green 'Insert' button, a grey 'New' button, and a three-dot menu icon.

6. Click **Save**.

Creating a new table

1. On the report's **General** tab, click **New** in the **Tables** section below the layout editor.
2. Enter the following values:

- **Display name:** Pages by Page Template
- **Query:**

```
SELECT PageTemplateDisplayName AS [Template Name], DocumentNamePath AS
[Page]
FROM View_CMS_Tree_Joined
LEFT JOIN CMS_PageTemplate
ON CMS_PageTemplate.PageTemplateID = View_CMS_Tree_Joined.
DocumentPageTemplateID
WHERE PageTemplateDisplayName IS NOT NULL AND PageTemplateIsReusable = 1
ORDER BY PageTemplateDisplayName
```

- **Is stored procedure:** no
 - **SkinID:** ReportGridAnalytics
 - **Enable paging:** yes (checked)
 - **Page size:** 10
 - **Page mode:** Page numbers
3. Click **Save & Close**.
 4. Place the cursor in the layout editor on a new line under the heading.
 5. Select the table from the list in the **Tables** section.
 6. Click **Insert**.
 - The system adds a string like `%%control:ReportTable?PagesByPageTemplate.PagesByPageTemplate%%` into the text area.
 7. Click **Save**.

Switch to the **View** tab to see the report table.

View
General
Parameters
Saved reports
Subscriptions
Versions

Save
Print

Pages by page templates

Template Name	Page
A/B test example page template	/Examples/On-line marketing/Optimization/A-B t
A/B test example page template	/Examples/On-line marketing/Optimization/A-B t
Community Site - Access Denied	/Special pages/Access denied
Community Site - Blog creation	/Blogs/Create
Community Site - Blog posts	/Blogs/Blog posts
Community Site - Blog unsubscribe	/Special pages/Blog unsubscribe
Community Site - Blogs	/Blogs
Community Site - Board Unsubscribe	/Special pages/Board unsubscribe
Community Site - Chat	/Chat
Community Site - Forum Unsubscribe	/Special pages/Forum unsubscribe

1
2
3
4
5
6
7
8
9
10
...

Creating a new graph

1. Switch back to the report's **General** tab.
2. Click **New** in the **Graphs** section below the layout editor.
3. Enter the following values:

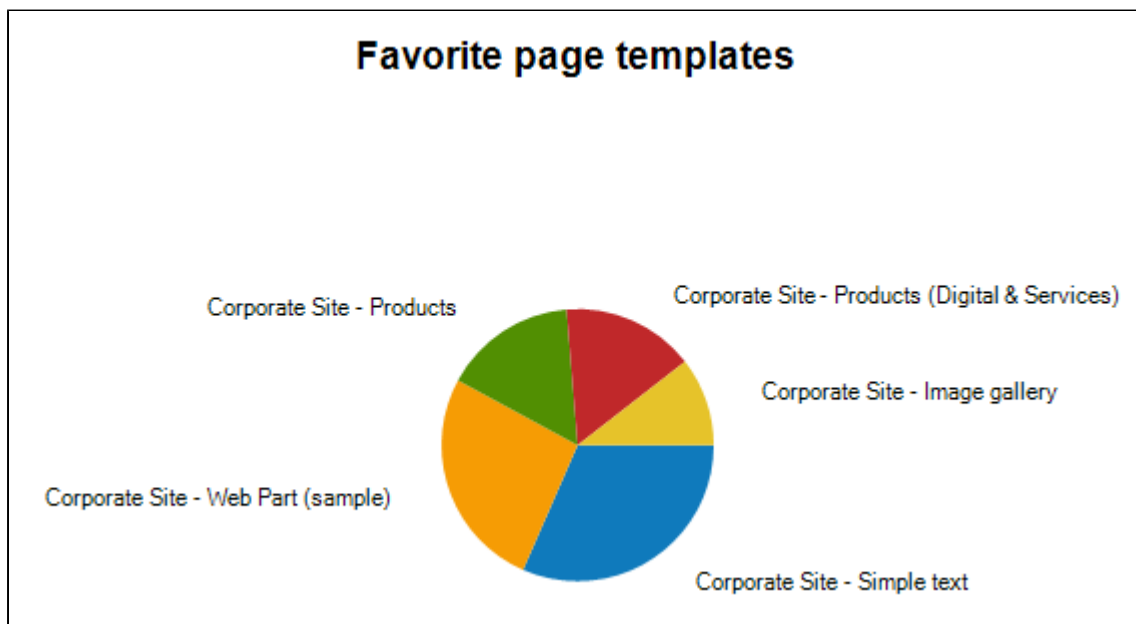
- **Display name:** Favorite Page Templates
- **Query:**

```
SELECT TOP 5 PageTemplateDisplayName AS [Template Name], COUNT
(PageTemplateDisplayName) AS [Usage]
FROM View_CMS_Tree_Joined
LEFT JOIN CMS_PageTemplate
ON CMS_PageTemplate.PageTemplateID = View_CMS_Tree_Joined.
DocumentPageTemplateID
WHERE PageTemplateDisplayName IS NOT NULL AND PageTemplateIsReusable = 1
GROUP BY PageTemplateDisplayName
ORDER BY COUNT(PageTemplateDisplayName) DESC
```

- **Graph type:** Pie chart
- **Drawing style:** Pie
- **Title:** Favorite page templates
- **Series -> Display item value:** Disabled (not checked)

4. Click **Save & Close**.
5. Place the cursor in the layout editor on a new line under the table.
6. Select the graph from the list in the **Graphs** section.
7. Click **Insert**.
 - The system adds a string like `%%control:ReportGraph?PagesByPageTemplate.MostFavoritePageTemplates%%` into the text area.
8. Click **Save** to save the changes.

If you now switch to the **View** tab, you can see the report graph.



Creating new values

1. Switch back to the report's **General** tab.
2. Click **New** in the **Values** section below the layout editor.

3. Enter the following values:

- **Display name:** Number of pages with page template
- **Query:**

```
SELECT COUNT(DocumentID)
FROM View_CMS_Tree_Joined
WHERE DocumentPageTemplateID IS NOT NULL
```

- **Is stored procedure:** no
- **Formatting string:** Pages with template: {0}

4. Click **Save & Close**.

5. Place the cursor in the layout editor under the graph.

6. Select the new value from the list in the **Values** section.

7. Click **Insert**.

- The system adds a string like `%%control:ReportValue?PagesByPageTemplate.NumberOfPagesWithPageTemplate%%` into the text area.

8. Click **Save**.

If you switch to the **View** tab, you can see the text of the value.

Defining report parameters

1. Switch to the **Parameters** tab.

2. Click **New field** and enter the following values:

- **Field name:** UserID
- **Data type:** Integer number
- **Default value:** 53
- **Field caption:** Created by user
- **Form control:** User selector

3. Click **Save**.

Now you need to add the parameter to your queries. For the purposes of this example, modify only the table query.

1. Switch to the **General** tab.

2. Select **Pages by page template** in the **Table** list.

3. Click ... next to the **New** button and select **Edit**.

4. Modify the table SQL query like this:

```
SELECT PageTemplateDisplayName AS [Template Name], DocumentNamePath AS [Page]
FROM View_CMS_Tree_Joined
LEFT JOIN CMS_PageTemplate
ON CMS_PageTemplate.PageTemplateID = View_CMS_Tree_Joined.DocumentPageTemplateID
WHERE PageTemplateDisplayName IS NOT NULL AND DocumentCreatedByUserID = @UserID
ORDER BY PageTemplateDisplayName
```



This adds the parameter to the WHERE condition of the query. All parameters that you define can be used in the query using the `@<ParameterFieldName>` expression.

5. Click **Save & Close**.

Now switch to the **View** tab. You can see that the report has a filter:

View

General

Parameters

Saved reports

Subscriptions

Versions

Save

Print

Created by user:

Global Administrator (administrator)

Select

Clear

Update

The table now only displays template names of pages that were created by the user specified in the filter.