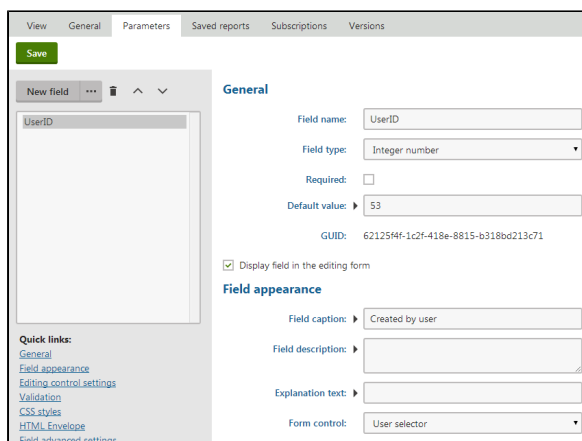


Reports and their data can be filtered using parameters.

To create parameters for reports:

1. Open the **Reporting** application.
2. Select the report in the tree.
3. Switch to the **Parameters** tab.
4. Click **New field**.
5. Define the properties of the parameter (using the [field editor](#)).



The screenshot shows the 'Field editor' interface in the Kentico Reporting application. The 'General' tab is active, showing the following configuration for a new field named 'UserID':

- Field name:** UserID
- Field type:** Integer number
- Required:** ☐
- Default value:** 53
- GUID:** 6212544f-1c2f-418e-8815-b318bd213c71
- Display field in the editing form:** ☒

Under the **Field appearance** section:

- Field caption:** Created by user
- Field description:** (empty text area)
- Explanation text:** (empty text area)
- Form control:** User selector

On the left, there is a 'New field' button and a list of quick links: General, Field appearance, Editing control settings, Validation, CSS styles, HTML Envelope, and Field advanced settings.

6. Click **Save**.
7. Switch to the **General** tab.
8. Add the parameter to the queries of the report objects (table, graph or value).
 - All parameters that you define can be used in the query using the `@<parametername>` expression (e.g., `DocumentCreatedByUserID = @UserIDParameter`).

For an example of using parameters in reports, see the Defining report parameters section of [Example - simple report](#).

Context parameters

In your queries, you can use parameters that provide information about the current context when the report is viewed, such as current user, current site, etc.

- @CMSContextCurrentUserID
- @CMSContextCurrentUserName
- @CMSContextCurrentUserDisplayName
- @CMSContextCurrentSiteID
- @CMSContextCurrentSiteName
- @CMSContextCurrentSiteDisplayName
- @CMSContextCurrentDomain
- @CMSContextCurrentTime
- @CMSContextCurrentURL
- @CMSContextCurrentNodeID
- @CMSContextCurrentCulture
- @CMSContextCurrentDocumentID
- @CMSContextCurrentAliasPath
- @CMSContextCurrentDocumentName
- @CMSContextCurrentDocumentNamePath

For example, if you want to display a list of all expired documents of the current website, you can use a query like this:

```
SELECT DocumentNamePath AS [Document path]
FROM View_CMS_Tree_Joined
WHERE DocumentPublishTo < @CMSContextCurrentTime AND NodeSiteID =
@CMSContextCurrentSiteID
```

Displaying parameter values in the report using macros

If you need to display the parameter values in the report, you can place the following macro expression in the report text: **{%parametername%}**

For example:

List of pages expired on or before {%CMSContextCurrentTime%}

displays:

List of pages expired on or before 2/12/2013 12:06:49 PM

You can use this syntax for both custom report parameters and context parameters.