

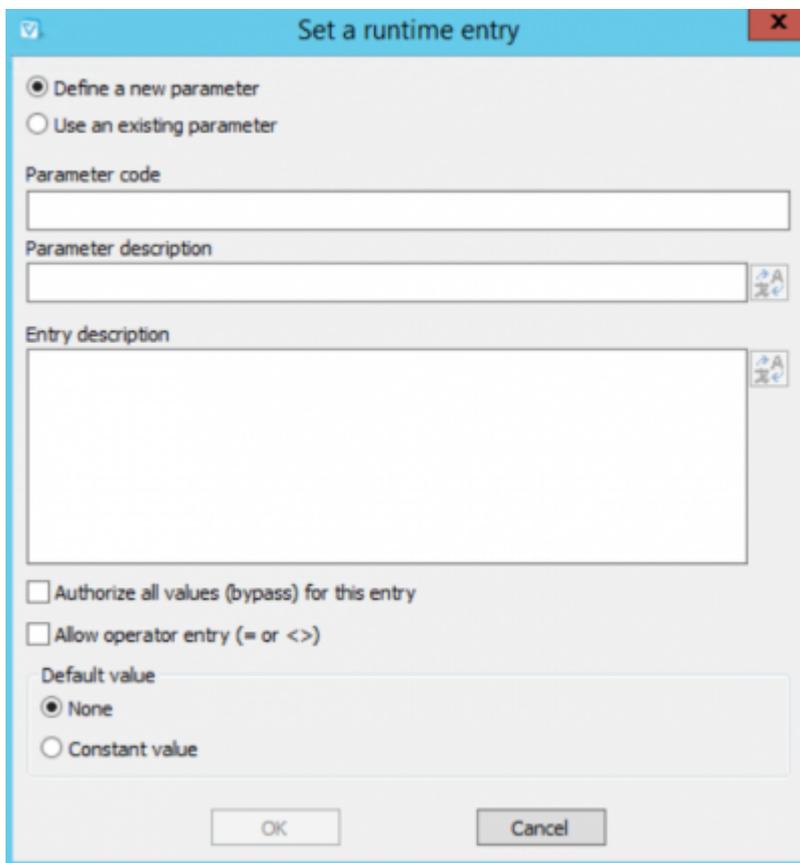
# Parameters at runtime

## Usage

Parameters are typically used by Vigilens to filter a subset of data when creating the report: for a particular company code, for a date or a date range, etc...

## Creation

Parameters can be created in the screens that can use them, for example in conditions on joints or extractions according to criteria.

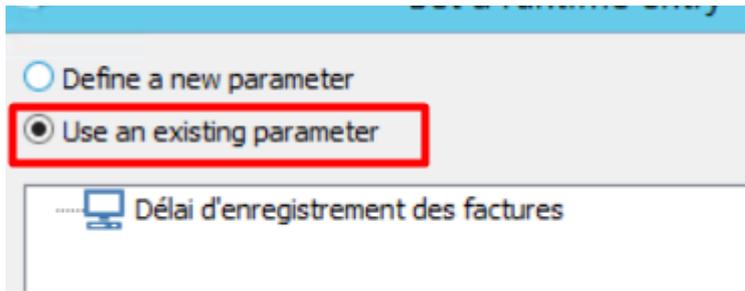


The screenshot shows a dialog box titled "Set a runtime entry" with a close button (X) in the top right corner. The dialog contains the following elements:

- Two radio buttons: "Define a new parameter" (selected) and "Use an existing parameter".
- A text input field for "Parameter code".
- A text input field for "Parameter description" with a small icon (A and X) to its right.
- A larger text area for "Entry description" with a small icon (A and X) to its right.
- Two checkboxes: "Authorize all values (bypass) for this entry" and "Allow operator entry (= or <>)".
- A "Default value" section with two radio buttons: "None" (selected) and "Constant value".
- At the bottom, there are "OK" and "Cancel" buttons.

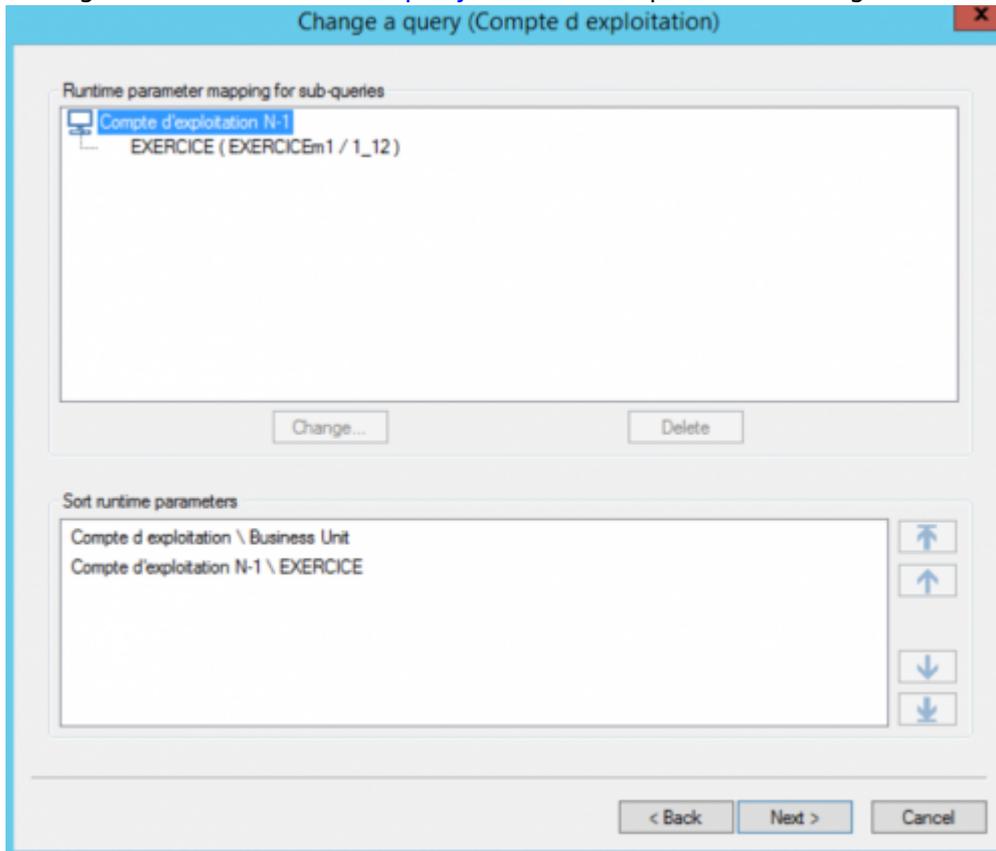
## Reuse

In all the dialog boxes that accept parameters, any parameter already defined can be reused:



## Mapping

During the creation of a new query, there is the parameter assignment screen :

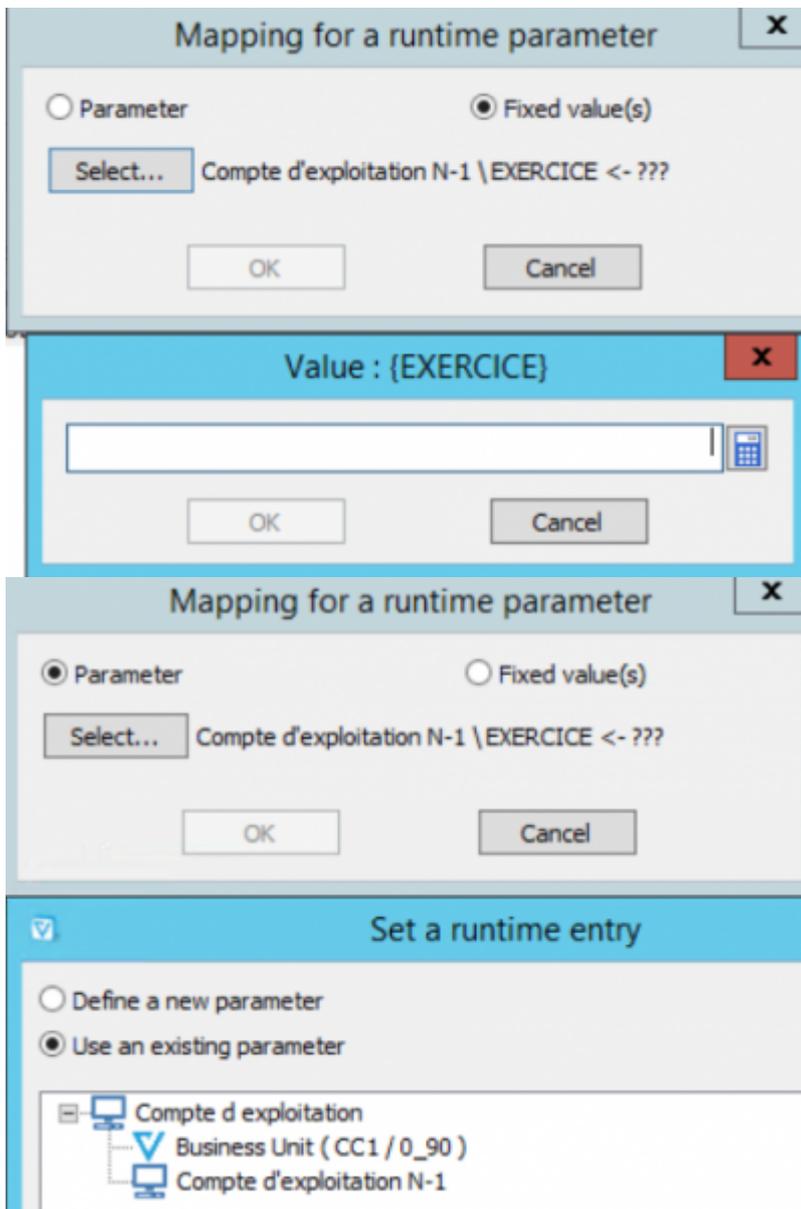


This is where it's done:

- mapping the parameter passing between a calling query and a subquery
- the choice of the order in which all parameters are entered

We can go to a subquery:

- or a fixed value (single value, range or list of values)
- or the value of a parameter of the calling request.



You can of course reuse the same parameter several times. For example, if we have several subqueries that have a company code as a parameter and/or a criterion about the company in the calling query, it makes sense to reuse the same parameter each time. Thus, at runtime, we will have a single entry of this parameter.

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