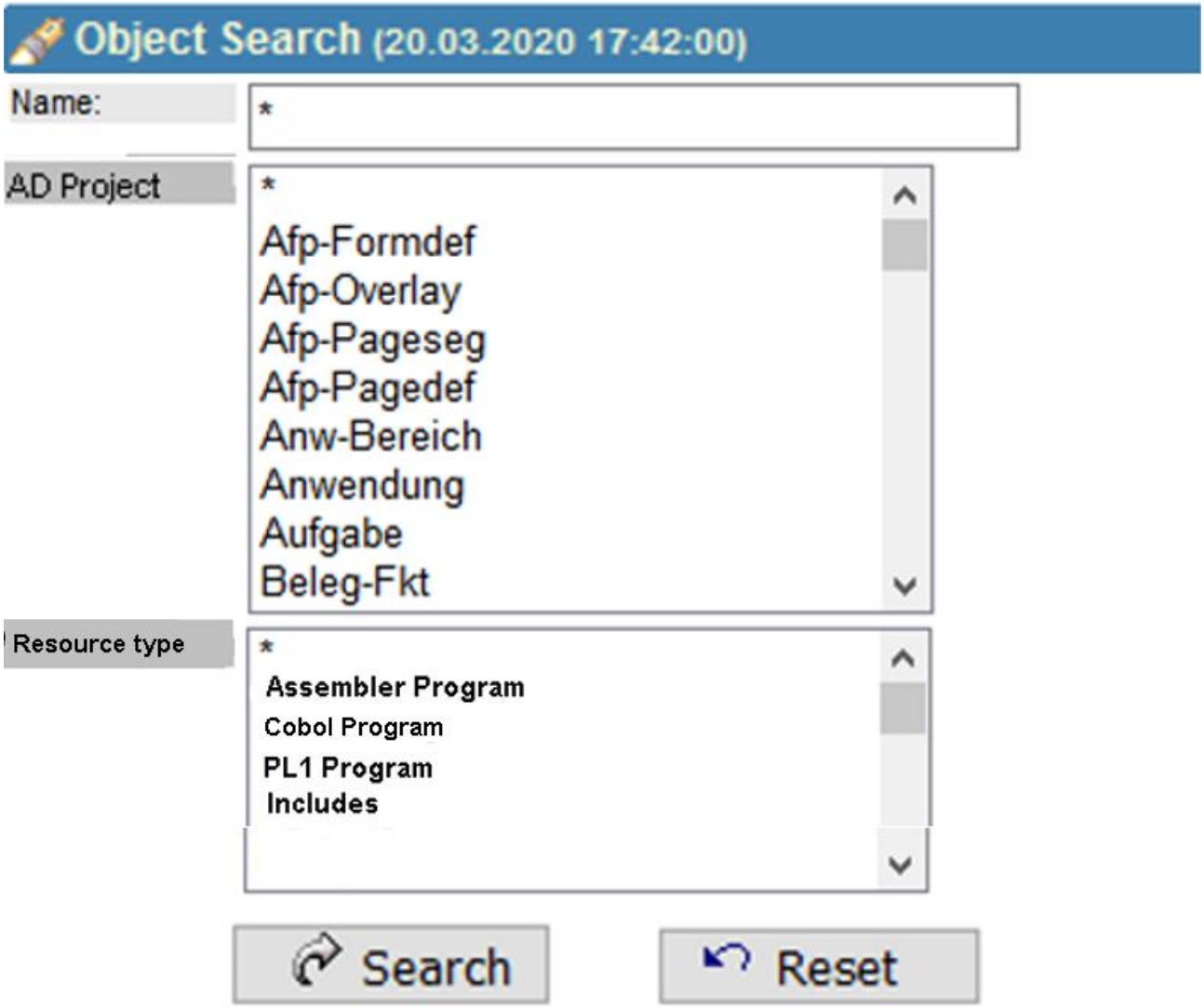
Impact Analysis via ADI

Requirement:
After the user has logged in to ADI (website), the user can navigate to the "Impact Analysis" function in the left area of the function overview.
Via the submenu of the "Impact Analysis" function, the user can search or export the information displayed. In the future, we could imagine that a menu entry "Queries" could also be offered.

The user would select the search in order to receive an input mask for the search criteria. The input mask should be structured like this:

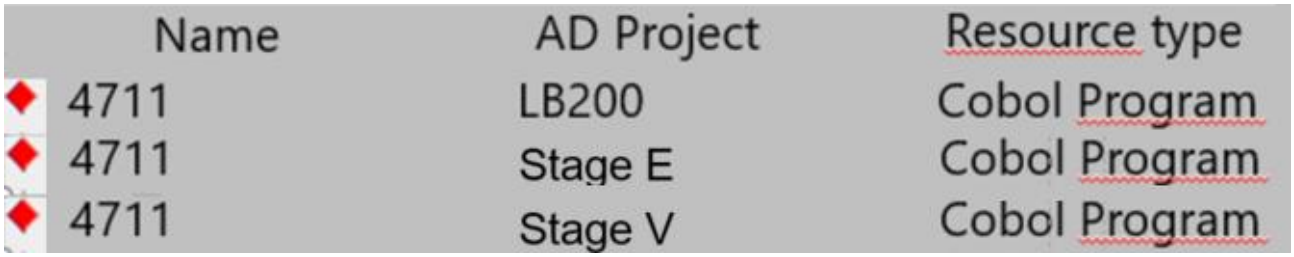


A resource name could be fully qualified or specified generically in the "Name" input field. In addition to specifying the resource name, the list of existing AD projects could be selected. A cross-AD search would be started by selecting an asterisk.
If the result list is to be restricted to a certain resource type, the type can be selected from the selection list. If an AD project (no star) has been selected, only the resource types that also exist in the AD project (specified in the system) should be visible. If a star was selected for the AD project, all resource types should be offered for selection.

The input mask for the search should be flexibly expandable with regard to the future, because we could imagine that the search for strings or literals could also be started from here.

Depending on the specification of these criteria in the search mask, the result set would vary.

The presentation of the result should be prepared in the form of a table / tree table.

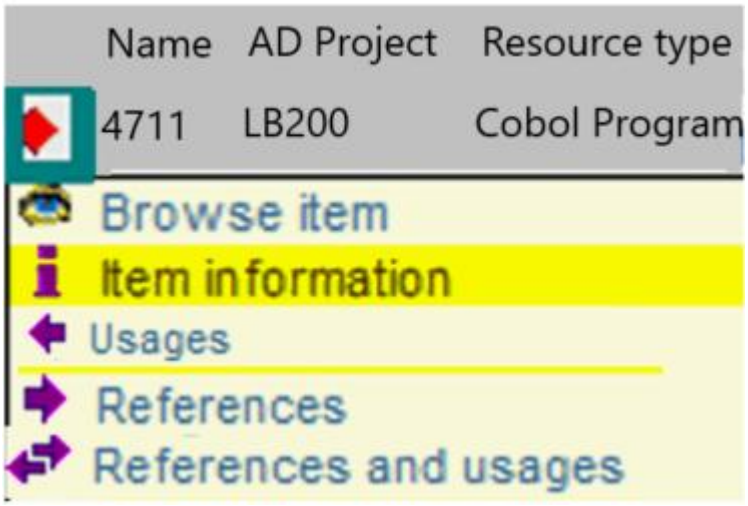


In the first column there should be an anchor point (diamond icon) for the display and execution of functions on the corresponding resource.
In the other columns, the specific information such as the name, the AD Project and the resource type would be displayed. The column information should be variably adjustable via a preference so that certain information such as annotations can also be shown.

The preferences could be linked via an icon in the right area above the results display.

In addition to setting the tabular format, the analysis criteria should also be stored in the Preferences. For the analysis criteria, the search depth for the Usages and References analysis should be able to be specified.

Procedure:
Based on a search result, the user can look at the functions via the anchor point in the first column (icon) and start them accordingly.
The following functions would be selectable contextually:



Browse item = Browse the source

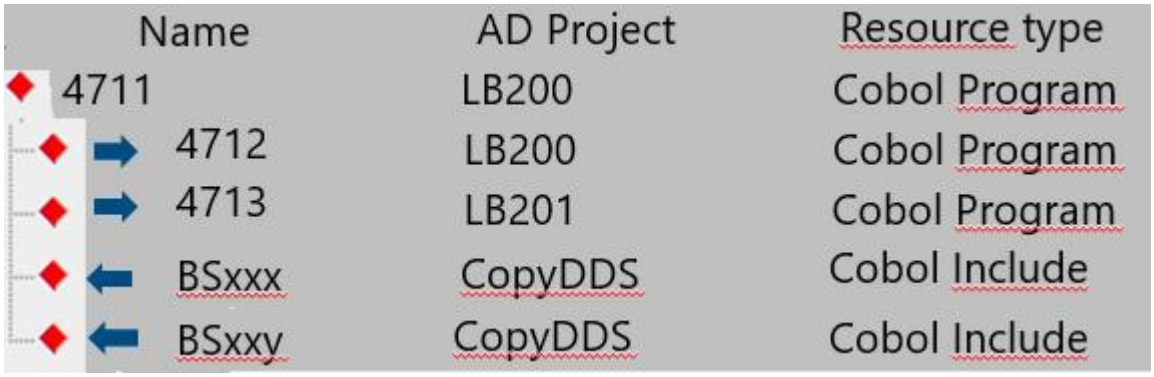
Item information = since information about the resource (such as name, AD Project and Resource type) is in the table by default, the annotations should be shown here

Usages = analysis of all calling resources / users (depending on the search depth in the preference setting)

References = Analysis of all called / used resources (depending on search depth in the preference setting)

In the future, a "Queries" function would also be conceivable for calling context-related queries.

Result:
If possible, the processing of the result should not be shown on a graph, since the navigation in the graph can quickly become confusing with complex dependencies.
A better representation option would be a TreeTable, through which one can more easily identify usages and references using different icons (arrows).



From this display, the context-related functions should be accessible via the icon in the first column (diamond).

The result of the analysis should be saved as pdf or csv using the "Export" function in the "Impact Analysis" submenu in the left navigation bar.