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AMELIO LOGIC DISCOVERY

Data Structures

Declarations, Dependencies and Usages: Now everything at a Glance

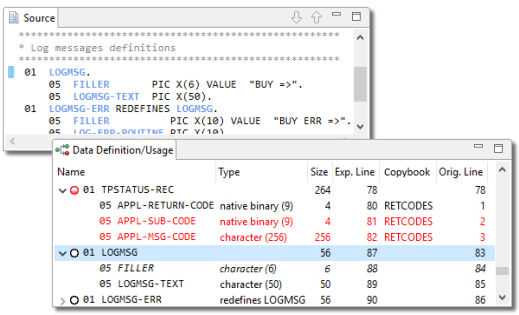
AMELIO Logic Discovery provides extensive data structure analyses for COBOL, PL/I and Delta ADS applications. With the new presentation of the analysis results, the knowledge about your data structures, their declaration, usage and dependencies is now available at a glance.

All about your data structures

To understand an application, it is necessary to understand the contained data structures, their declaration, provenance, usage and dependencies. To obtain this knowledge, an in-depth analysis of all involved source code modules is essential. For that reason **AMELIO Logic Discovery** provides extensive data structure analyses for COBOL, PL/I and ADS applications. They answer questions like

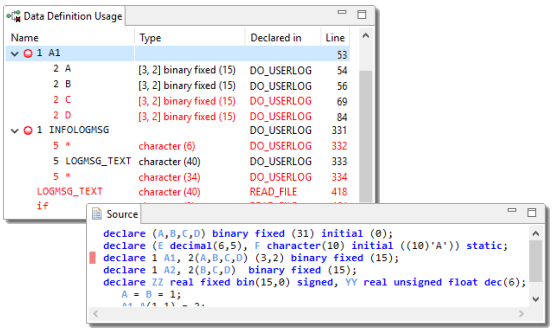
Declaration

- How is the data structure declared? What is the type and size of it?
- Where has the data structure been declared? Was it declared in the program itself or in a copybook, include module or macro?



... and specifically for PL/I

- Which type and size have implicitly declared structures or structures whose declarations have been abbreviated by using factoring?
- If a structure is declared multiple times, which declaration is valid in which context?



Usage

- In which paragraphs and procedures the data structure is accessed?
- Is the structure read-only or also modified?
- Is an element or a structure used at all?

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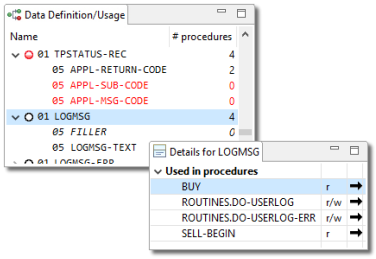
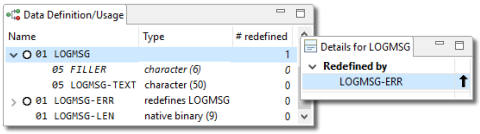
- Is the complete structure used or only single elements from it?



Dependencies

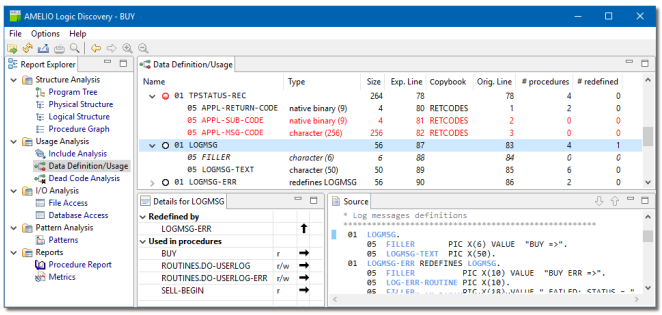
- What are the relationships between the structures?
- Is the structure redefined?



- Is there a pointer to the structure?

… and now everything at a glance

To understand data structures it is necessary to know its declarations as well as its usage and dependencies. That's why we have summarised both perspectives "Data Definition" and "Data Usage" in one comprehensive perspective.



In this way the entire knowledge about your data structures is available at a glance.

The new AMELIO Logic Discovery version: Available now!

The display of the analysis results is now even more clearly. In this way you understand your data structures more quickly. See for yourself!

You don't use AMELIO Logic Discovery yet? We would be glad to show you the possibilities of the tool, preferably with your own sources.

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