



Clean up your proven Applications
with a **Washing Machine**
for Software.

Nobody likes having to Clean up Everything by Hand

Software also accumulates dust over the years. Because of the effort and risk, a removal of the dust is often avoided. On the other hand, the maintenance is becoming increasingly difficult. If the proven code should be used continuously, either in maintenance or as a basis for rewriting, it is worth cleaning up the applications. To save the time-consuming manual work and to minimize the risks, we have developed a washing machine for software for this task.

AMELIO CleanUp

Remove Your Technical Debts !



Technical Debts

In most cases, technical debts are an impact that

- prevent an efficient maintenance and agile development processes.
- that make the interaction with components in “more modern” languages and technologies more difficult.
- jeopardize the future viability of the application and the supported business processes.

Washing Machine for Software



- Automatically cleans up COBOL, PL/I and Delta ADS programs.
- Predefined washing programs are available.
- Project-specific wash programs are developed iteratively.
- Cleaning up the sources can be done in arbitrary steps.



The Requirements for a Solution to this Problem

- It must be automated.
- It should be gradual, without a big bang.
- The maintenance and further development must not be impaired.
- And above all: No interference/interruption of the running operation!

Your Advantage



- Technical debts are reliably removed in an audit-proof manner.
- New findings can be incorporated into the project at any time and applied to all sources.
- No freeze: maintenance and ongoing operation can continue unhindered



AMELIO CleanUp

Free COBOL, PL/I and ADS Applications from Technical Debts

AMELIO CleanUp is an innovative tool that helps you clean up your native and generated COBOL, PL/I and Delta ADS applications from technical debts.

Large applications have usually grown over many years and have naturally become more and more complex. There are often parts that have not been used for a long time. Identifying and removing these by hand is time-consuming and risky, and brings nothing new to the end user. But they cost time every time a change is made to determine that the change is not needed here - if you can determine that at all. So often unused places are changed as well for security reasons.



Technical debts can also arise in used parts. Examples are differences in naming or data definitions for the same information, the use of old standards that prevent, for example, to go to a new release and



To be able to clean up these technical debts automatically, the application must first be understood. For this purpose, each artifact is analyzed and stored in a knowledge model.

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Once all the necessary information is available, the washing machine can start work. To do this, it is taught project-specific 'wash programs' step by step.

Each wash program solves a problem in all applications. Several wash programs can be executed in one wash cycle. After each washing process, the sources can be returned directly to production.



Testing

With a manual approach, every change must be tested. For the 100% automated procedure of AMELIO CleanUp, it is sufficient to test all applied rules. As long as the rules are tested, the maintenance and further development can continue without interruption. Only when all rules provide the desired result, the applications are frozen for a short time to be able to implement the changes for the production on the current source level.

For COBOL, PL/I and ADS

AMELIO CleanUp is available for COBOL, PL/I and Delta ADS applications, both generated and native. A set of standard washing programs is available for each language. Project or task specific washing programs are generated in an agile process according to customer requirements.



„AMELIO CleanUp allows us to future-proof our applications in small steps and without freeze time.“

Roland Römer, Productowner, RDW ICT



AMELIO Family

Understand, Clean up and Modernize Applications automatically!

The AMELIO Family

AMELIO CleanUp is part of the AMELIO product family and can interact with the other family members. In particular, the connection to AMELIO Logic Discovery helps to understand the application and identify the areas to be cleaned up. With the AMELIO Modernization Platform, you can automatically realize further modernization requests beyond cleanup.



Our tools help you to analyze COBOL and PL/I applications in a targeted manner, to adapt them quickly and securely to new requirements and technical infrastructures, and to reliably assess risks.

Delta Software Technology

Delta Software Technology is a specialist for generative development tools that automate the modernisation, integration, development and maintenance of individual IT applications. Our solutions help you to quickly and safely adapt your applications to new business requirements, architectures, technologies and technical infrastructures.

Delta has a more than 45-year track record of successfully delivering advanced software technology to Europe's leading organisations, including AMB Generali, ArcelorMittal, Deutsche Telekom, Hüttenwerke Krupp Mannesmann, Gothaer Versicherungen, La Poste, RDW, Suva and UBS.

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