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1 Lecture on WSRE: Analysing a Big Ball of Mud

“Software Re-engineering and Evolution” is an evergreen in software development. However, new technologies and possibilities in the area of development lead to ever new challenges in dealing with the existing software.



FACHGRUPPE
SRE

The expert group Software Re-engineering and Evolution (SRE) within the Gesellschaft für Informatik (GI) - the German-speaking professional society for computer science - deals with all aspects of software reengineering, software maintenance and software evolution. In principle, this includes all activities whose goal is analysis, visualisation, evaluation, improvement, migration and further development.

Workshop Software Re-engineering & Evolution (WSRE)

With the conference series Workshop “Software Reengineering and Evolution” (WSRE), the SRE expert group aims to bring together practice and research and to promote professional exchange with a variety of current topics.

Practitioners and researchers are cordially invited to report on experiences, projects, research results, methods, tools and “war stories” in this field at the WSRE, to present their current work and to discuss it constructively in an open environment.

WSRE 2025 from 09.-11.04.2025

27. WSRE 2025 took place from 09.-11.04.2025 in Bad Honnef!

Delta was there with a presentation on April 9, 2025 at 2 p.m.:

Analysing a Big Ball of Mud

The original design of an application often gets lost over the decades, creating a “big ball of mud” instead. Such applications are difficult to maintain and even more difficult to modernize. With [AMELIO Logic Discovery](#) you can analyse applications and prepare for clean-up and modernization projects. How? We presented and summarized this for you at the Software Reengineering and Evolution (WSRE) workshop of the GI Software Reengineering (SRE) specialist group.



NEWSLETTER

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Analysing a Big Ball of Mud



The clean design of an application often gets lost over decades. Applications arise where design specifications are not met. Such applications are difficult to maintain and even more difficult to modernize. AMELIO Logic Discovery helps identify design violations in an iterative process.
[Read more ...](#)

[Download](#)

You would like to present your challenges or solutions and tools on the topic and exchange ideas with other interested parties? Anyone can take part - even if you are not a member of the GI.

Take the opportunity for direct exchange and networking. Participation is open to everyone. All information about the workshop and how to submit contributions can be found [here](#).

2 Successfull Webinar Series: 'ICEBERGS AHEAD: Discover - CleanUp - Modernize' completed

4-part webinar series: "ICEBERGS AHEAD: Discover - CleanUp - Modernize"

The final part of our webinar series, titled "Modernize - Make Applications future-proof!," took place.

In the first part of the series, we introduced you to the basic concept of our best-of-breed solution AMELIO DISCOVER - CLEAN UP - MODERNIZE.

The second part then focused on AMELIO DISCOVER. DISCOVER showed you how to re-understand "old" applications, recover content within them, abstract complex program structures, and much more.

Then, in Webinar #3, the major topic of AMELIO CleanUp came up. We discovered that clean-up is

much more than just finding dead code. We provided you with a variety of practical options for cleaning up legacy applications and more in advance of the actual modernization. The keyword here is "washing machine".

And finally, part 4 of the webinar series, the topic of AMELIO MODERNIZE, came up.

If you're interested in the series or individual parts, you can find the recordings of the webinar series [here](#) ...

3 IBM Z Symposium 2025 from 14.- 15. May 2025 in Stuttgart

This year, we were again actively involved in the IBM Z symposium in Stuttgart at the MHP Arena for two days. It was packed with exciting presentations on AI, CyberVault, z/OS, DevOps, and security.



We happily accepted IBM's invitation, to participate in the panel discussion on the topic „**application modernization**“. Moderated by Tobias Leicher (IBM), Heidi Schmidt (PKS), Frank Hammer



(Kyndryl), and Manuel Dolle (Delta Software) discussed the current state of affairs. The modernization topic was regarded from an economic, advisory and technical perspective and lots of expertise and knowledge has been shared. The conclusion: It's time to analyze and clean up applications to increase maintenance efficiency, save costs, and make the transition to legacy systems for the next generation much more easier.

Many thanks to IBM for this great event and the opportunity to actively participate.

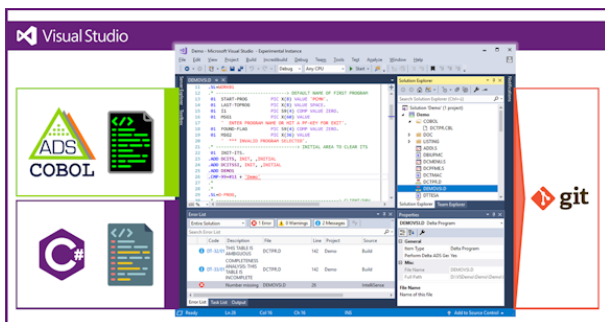
Do you also want to understand and clean-up your applications?

With AMELIO, Delta can offer you fully automated solutions for this task. [Just contact us.](#)

Further information and the review can be found at [IBM](#).

4 RDW modernizes its development pipeline for Delta ADS

Legacy applications not only have old technology, often they also are maintained with legacy development processes.



After successfully migrating their mainframe application portfolio to a windows environment, RDW decided to bring their development process

completely under Visual Studio.

Delta Software Technology provided RDW with a plugin for Delta IDS (ADS on Visual Studio) to support RDW's hybrid strategy where runtime environment consists of Delta ADS COBOL modules and C# modules. Together they provide the necessary business functionality.

Having all objects in one development environment has enabled RDW a secure pipeline. With all source code stored in GIT, agile development is supported and nightly builds are performed. The homegrown "Winframe Insights" application provides impact and analysis data on necessary changes regardless of the technology the functionality is implemented in.

"Enabling our Delta ADS development under Visual Studio has been instrumental in bringing down the boundaries between our young developers and our Delta ADS COBOL sources."
Roland Römer (Product owner at RDW)

About RDW (Delta ADS Customer since 1981)

RDW, the Netherlands Vehicle Authority, stands for safety, sustainability and legal certainty in mobility. We keep a close eye on international developments like vehicle data and act in line with the ambitions of the European Commission.



RDW

RDW modernizes its development pipeline for Delta ADS



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[Read more ...](#)

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Further Success Stories with RDW:

- [RDW Removes Technical Debts using Delta's Automated Solution](#)
- [RDW uses AMELIO Logic Discovery for decision making](#)
- [RDW gained future reliability and reduced costs by a full IT modernisation in 3 steps](#)

Optimisation of the development processes and off-loading from mainframe to PC, removing all platform dependencies and modernisation of the application architecture, error-free platform and database Change.

5 Support Information: New Product Updates available

We have released new versions for the following products:

- Delta ADS for COBOL (6.6.8)
- Delta ADS Targets (6.6.8)



For more information about the new features and improvements, please see the respective release notes and reference books in the [support area](#) of our website.

Get information and [updates](#) right now. You'll find the list of our current [product versions](#) here.



More newsletters and our newsletter administration can be found here:
delta-software.com/newsletter