



ICEBERG AHEAD

Part 3: Assessment or how to assess and minimize the Risk of a Change

Your COBOL or PL/I applications contain enormous investments, a lot of company-specific know-how and decades of experience just like this famous ship back in the 20th century which was the crown of development. Why put it on risk by not doing what needs to be done. The mature applications run error-free and resource-optimized. They support business-critical processes, are adapted to new requirements and new functions are added time and again. If such an application should be cleaned-up, refactored, modernized or transformed, extensive knowledge of the application is absolutely mandatory. In order to regain the fundamentally important knowledge about your applications and to gain an understanding of the functionalities, you have to perform an individualized analysis. Standard analyses do not help you understand the application, since every modernization has its own starting point and objective. Usually these are a platform change, an architecture transformation, a clean-up, a technology exchange, or something else. These different objectives each affect certain but always different parts of the applications and places in the code and have different effects on the application components, their interfaces and their behaviour.

For a reliable assessment of the measures, procedures and risks, you need targeted analyses that provide the necessary knowledge about the applications regarding the project goal. You need well-structured facts instead of unmanageable data collections. Without this knowledge, the project threatens to become a case that exceeds the time and budget frame or, in the worst case, fails completely.

Don't guess assess

A tailor-made assessment of your application offers the possibility of reliably determining the critical points and evaluating them precisely. This avoids the risk of your modernization projects getting out of hand in terms of budget and target date.

70-80% of the projects exceed exactly these requirements and fail. In order that your planning and decisions are not only based on estimates and assumptions, but on facts and reliable knowledge, you should have performed a comprehensive assessment of the applications by independent experts before starting a project.

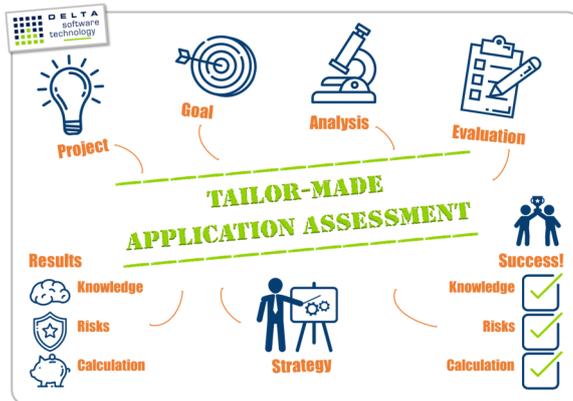
From HOW to WHAT as required

In the process of understanding an application, gathering information about how it was implemented is the first necessary step. Statements about the actual functions cannot yet be made on this basis. Here we use our AMELIO solution in a personalized assessment tailored to your needs. Not only information about how the application was implemented is collected and evaluated, but also what was implemented.

The determination and evaluation of all "sticking points" (so-called points of interest - POI) is extremely important. Every project, either a platform change, an architecture transformation, a clean-up, a technology exchange,

or something else, affects specific but always different places in the code and always has different effects on the application components, their interfaces and their behaviour. These effects define the POIs. They are fully determined, analysed and evaluated.





- Overview of all PoI to be processed in the project
- ... and much more ...

Your Advantages

With these targeted analyses and a tailor-made assessment of your applications, we help you plan your projects reliably and reduce the risks and costs.

- Secure choice of a project strategy
- Realistic scheduling
- Reliable calculation of costs
- Secure planning and implementation of the project
- Well-founded selection of a suitable test strategy
- Comparison of technical alternatives
- Audit-proof implementation of the project

If you would like to find out more about the advantages, you can find more information here:

<https://delta-software.com/link.php?en=6287>

With our experience and the comprehensive and in-depth analyses by using our innovative tools, we help you to develop the best project strategy and to plan your project realistically. We tailor the assessment precisely to your goals and requirements. All applications with all its source components are analysed comprehensively and target-oriented with regard to the project task. All connections and dependencies (internal and external) are clearly presented and reliably assessed. You receive all analysis results as a clear and meaningful documentation:

- An overview of the applications, all components, the connections and the dependencies.
- Statistics help you to evaluate the complexity of your applications and / or individual components.
- Proposals for clean-up (cleaning, refactoring) based on the POI's help you to improve readability and maintainability and to reduce the code

In the next part find out everything about the topic:

- Cost reduction: Reduce your application costs through modernization

About the Author:

Hans Nickessen, born in 1966, has been working in the IT for 30 years. Initially as a database developer, later from managerial sales positions to the current position as a Senior Consultant at Delta Software Technology GmbH. As a Trusted Advisor, he now supports users in general questions of software modernization and, as a special sub-area, the replacement of IMS Databases.

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