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1 Data Architecture Integration - Developing Data Services Easily and Consistently

The Data Architecture Integration of SCORE Adaptive Bridges is a powerful generative tool that enables you to quickly and easily provide data from most different sources as genuine business services within



Layer Architectures and Encapsulation

Enterprises wanting to make their applications flexibly available for new requirements using a service-oriented architecture need to implement a clean application layer architecture and a strict separation of the individual layers from one another. Only this way, they can obtain the independence of the individual architectural aspects and the application components that is imperative for the desired flexibility.

Beyond that, the quickest and best way to meet the increasing de-

mands is the automation of your service development as far as possible.

Data Architecture Integration Delivers Data as Perfectly Tailored Services

The Data Architecture Integration of SCORE Adaptive Bridges simplifies the development of data services. It makes data available as genuine business services – exactly as requested by the service consumer. At the same time the application layers are clearly separated from each other.

The Data Architecture Integration automatically generates the entire access code and thus enables you to develop data services in a fraction of time you otherwise need. All platform-specific details are completely encapsulated and the service consumers remain totally independent from the underlying data architectures and management systems.

New services can practically be produced at the push of a button.

Availability

Data Architecture Integration is available as add on to [SCORE Adaptive Bridges](#).

Supported Database Systems

The Data Architecture Integration of SCORE Adaptive Bridges supports all the following data management systems in a uniform manner

- File systems
- Hierarchical databases
- Network databases
- Relational database

Would You Like to Learn More?

For a first overview on Data Architecture Integration start with the product description.

For more information about SCORE Adaptive Bridges read [here](#).

As experts for the automation of software development we offer bespoke solutions that will simplify your application development. Please contact us.

2 MINT – Test Bench for Integration Proceedings

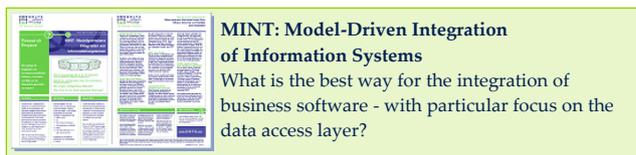
In March 2006 the research project MINT (Model-Driven Integration of Information Systems) started; its main goal was the provision of an efficient model-driven development method for the integration of existing (heterogeneous) business information systems.



Normally the focus of model-driven software development is on new development only. The integration of existing heterogeneous systems from different development cultures and “epochs” is much more problematic and critical for the enterprises as

this involves the productive applications.

By using model-driven development concepts and advanced generator technology also for the integration of the legacy systems, companies will be enabled to accelerate their adaptation to changing business processes and new requirements, for example in the e-Commerce area.



The Members

The members of this project, which is funded by the German Federal Ministry of Education and Research (BMBF), were:

- [andrena objects AG](#)
- BTC AG
- Delta Software Technology GmbH
- [FZI Research Center for Information Technology](#)
- [OFFIS e.V.](#)
- [University of Oldenburg, Dept. for Educational Systems](#)

Generator Technology from Delta

The product [SCORE® Adaptive Bridges - Data Architecture Integration™](#), developed by Delta Software Technology, is one of the integration solutions examined within the project. This product offers a non-invasive integration technique that allows the usage of existing data objects and application components without requiring any changes to be made

to these objects. The complete integration code is generated automatically.

More information about MINT and our contribution to the project you get from our project flyer.

Project results from MINT were presented at the MDD & PL 2009 in Leipzig (Germany). The detailed comparison of different integration approaches confirmed the effectiveness of project-specific and generator-based solutions.

You are interested in our integration solutions? Please contact us directly!

3 Automation of Maintenance: Changes at the push of a button - reliably - whenever you want

Scared of Large Changes?

Changing large IT applications is a big challenge. Are you facing large modernisation or maintenance projects?

Not the contents of single changes, but the actual amount of existing and possibly involved modules, the interconnectedness and dependency of the applications, the necessary time and the given deadlines are the reasons that maintenance takes such a large share of the overall IT costs.

Automation Reduces Risks and Efforts

According to current estimates, up to 80% of the IT's capacities are occupied with maintenance tasks. These resources – or at least part of it – could better be spent to develop new functions and applications. Using the right tools to automate the software

maintenance will offer you decisive advantages: they drastically reduce the risks and efforts for mass changes.

The expert seminar "Automation of Software Maintenance" on February 21, 2008, was a great success. 15 participants from 13 companies - among them AXA Winterthur, RTC, Swiss Life and the Swiss Exchange SWX - were amazed, how automation can boost the velocity, quality and reliability of the maintenance.

The delegates learned about new strategies and best practices for the software maintenance and they saw what other well-known companies have done and which proceedings granted them success.

- Prof. Jochen Ludewig, ISTE, University Stuttgart: **Software Maintenance - As Familiar as the Daily Traffic Jam** Conditions and requirements of software maintenance
- Rüdiger Schilling, CEO, Delta Software Technology: **Automation of Automation - An Utopia?** Impacts of automation on quality, security, flexibility and last but not least on the costs of software maintenance
- Gerard Doll, Director ICT, RDW: **Continuity under Control** Automated maintenance from the management point of view: Costs reduced and flexibility gained!
- Dirk Meyer, CEO, Delta Software Services: **Experiences in Large Projects** Bespoke solutions for different tasks - Deutsche Telekom, SUVA, RDW

- Norbert Nigg, CEO, SAXOS Informatik AG:
How to Tackle Maintenance Projects Effective proceedings - wrong tracks - organisation - tools



Automation of Software Maintenance

Is software maintenance your subject? Then, we would like to discuss your specific challenges with you. Let us work together to find out, how you can reduce your maintenance costs while at the same time gaining more quality, reliability and flexibility. You can download all presentation material (partly in German) here.

Generative Tools for Your Software Development and Maintenance

As "The Generator Company", Delta has a 30-year track record of successfully delivering advanced generative tools for the development, maintenance and modernisation of application software to Europe's leading organisations.

Please get in touch with us if you would like to know more about how Delta Software Technology can help you to improve the efficiency of your software maintenance using automation.

Free Newsletter

Our regular newsletter delivers information on up-

coming events, current projects, case studies, new product announcements and general news that we think will be of interest to you. Subscribe to our free newsletter today.

4 Software Testing Management - Slash your test efforts by using the proper strategies and tools

Application systems are getting more and more extensive and complex. Each and every modification, extension or new development has to prove its correctness passing strict audit rules. But: Are ever more elaborated tests the only way to assure the correctness of the changes? Has the important testing phase always to be the "worst end" of all software projects?

Delta Software Technology offers alternatives. They will enable you to slash the time and efforts for testing in large projects by more than 90% - verifiably.

The 2-day IIR Expert Conference "Software Testing Management" started with Rüdiger Schilling, CEO of Delta Software Technology, and his provoking thesis:

"We do not need more tests, but strategies to slash test amount."

- Where (in your development cycle) do you best start to reduce the necessity of tests?
- How can you lower the error ratio?
- To which extent can tests be avoided before

3. IIR Expert Conference: Software Testing Management

The 3rd IIR Expert Conference "Software Testing Management" presented on February the 27. to 28,2008 in Vienna was aimed across all business branches at project managers, IT managers, CTOs and IT consultants in the areas software development, testing, IT quality management, IT processes and methods.



The event provided more than 70 delegates with high-quality speeches from theory and practice. The delegates learnt about new strategies and best practices that increase the quality of testing and at the same time reduce costs.

- When is automation really profitable?
- How to handle failed software projects?
- Business companies merge – systems too: The big challenges for software testing
- Successful introduction of SAP and new SAP releases
- ISO, ITIL, Cobit, SOX - What do they bring? A Quality ABC
- New trends and perspectives for test methodology

Cost Reduction for Testing

The questions and discussions during the con-

ference made it very clear: The accomplishment of mass changes is an especially pressing topic when it comes to maintenance. For large application systems maintenance and test are far more complex, risky and above all far more frequent. Therefore, maintenance carries a far greater potential to reduce costs as the new development.

If you want to reduce your test costs, then we would like to discuss your concrete situation with you. Let us together, whether the automation of development and maintenance is a solution for you to reduce test costs while at the same time gaining more quality, reliability and flexibility.

"Even if there are no other reasons for the automation of the software development, at the latest it will pay off for the testing," concludes Rüdiger Schilling, Delta Software Technology, concludes.

Further Information

Please read also the following report:

Please get in touch with us if you would like to know more about how you can slash your test efforts.



AMELIO Modernization Platform - RDW Achieves Platform Independence
"AMELIO Modernization Platform is the reliable solution for the systematic modernisation of our complex applications – 100% automated, tailor-made and generative. Using AMELIO we were able to accomplish this demanding large project faster and with less resource."
Carine Joosse, ICT Manager Projects, RDW, The Netherlands

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

