SCORE®

DATA ARCHITECTURE INTEGRATION™

Data as Intelligent Business Services

Independent of Data Architecture + Data Management Systems

Simply provide your data as intelligent services: independent of data architectures and management systems, smartly integrated into your application architecture

A service is a service – irrespective of how the service obtains the requested information. A service might provide functionality or data as well as any combination of it. However, in no case should (or must) the service consumers know or care about any implementation details.

Intelligent services adapt themselves to their environment and deliver their information, i.e. data or data supplemented with functionality, independently of the underlying data bases and other data management systems. Intelligent services are very flexible and therefore they are perfectly suited to quickly adapt the IT applications to meet the information requirements of the business departments.

SCORE® Data Architecture Integration™

SCORE Data Architecture Integration automates the development of data services. It particularly facilitates the provision of data as components that can freely be integrated within service-oriented or other application architectures:

- from any data bases,
- independent of data architectures, platforms and transaction systems,
- enriched with general or platform specific functions.

With SCORE Data Architecture Integration, Delta Software Technology provides a powerful generative development tool that enables you to quickly and easily make data available from different systems as real, fully-fledged business services.

Increasing Efficiency in Development

- **Quick + Easy**: One-click Objects allow you to define data objects with just one click. SCORE Data Architecture Integration completely automatically generates the entire code for the implementation of the data accesses.

- **Automatic Derivation + Implementation** of all service functions, and at the same time freely extendable with individual coding.

- **Consistent Interfaces for Data + Functions**: same semantics for data and application services reduces development costs.

Better Performance and Higher Reliability

- **Tailor-made Operations + Best Performance**: The generated data services exactly deliver the information requested by the client, optimised for the respective platform presented as locally consumable services.

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- **Fully Transactional + Secure** due to the synchronisation of client and server-sided sessions, workspaces and caching functions.

- **Consistency + Easy Maintenance** guaranteed by automatic validation in case of data structure changes. Interface versioning enables parallel usage of different interface versions.

Bridging Paradigms

- **Neutral + Platform-independent Definitions** based on logical object models compensate architectural mismatches and hide all platform specific details.

- **Automatic O/R-Mapping + Strict Encapsulation** of all data accesses simplify development and maintenance.

- **Seamless Integration of Data + Functionality** from heterogeneous sources and architectures.

- **For all Data Systems**: index-sequential files + hierarchic + network + relational databases.

Processes Need Data and Functions

Most SOA tools and persistency frameworks fail to deliver when it comes to consistently providing both data and application functionality in the same way.

Application functionality is generally available via standard service interfaces. But, for the data services most providers rely on data oriented access methods. This results in much too tight coupling of service consumers and data structures leading to the well-known problems in the further development and maintenance. Besides, they often only support relational DBMS, access to non-relational systems is only available using SQL emulations.

However, business processes and applications need an easy, consistent and secure way of using both functionality and data as services. Service consumers should never (need to) know how services are implemented, where and how they are made available and whether information is delivered by a function or directly from the database system. Technical details must be encapsulated: a service is a service – independent of its environment and implementation.

SCORE® Data Architecture Integration™

SCORE Data Architecture Integration delivers exactly what is needed – data as real business services, completely generated, clearly encapsulated access code to process the information, without any pseudo-SQL interfaces.

Working with SCORE is simple. SCORE ensures that even the most sophisticated heterogeneous data environments can easily be used by service consumers. Even different TPMS and languages are supported, without the service consumers having to know or care about the specifics of the respective environment:

For the service consumer there is no difference between data, functions, or a combination of both – a service is a service!

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.

We understand the enterprise IT as a living organism that is continuously changing. Our automated solutions help you to quickly and safely adapt your applications to new business requirements, architectures, technologies and technical infrastructures.

AMELIO® Modernization Platform™
The tailor-made factory for the modernisation of large IT applications: 100% automatically and that's why it is safe, reliable and error-free.

SCORE® Adaptive Bridges™
Intelligent service enablement for the reuse of proven applications with modern technologies: flexible, profitable and non-invasive.

SCORE®
Data Architecture Integration™
Data as real business services: fast, easy and independent of data architectures and management systems.

SCOUT²™ Development Platform
Optimized and integrated development processes across all software components, tools and platforms: Stop the "fight against the infrastructure".

ADSplus™ Application Development
Platform-independent development for future-proof back-end applications.

Delta has a more than 30-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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