

UNISERV DATA QUALITY SOLUTIONS

# REALTIME SERVICES



## EXPLORER

WITH THE *DQ EXPLORER*, YOU INVESTIGATE THE ACTUAL STATE OF YOUR DATA.

## BATCH SUITE

WITH THE *DQ BATCH SUITE*, YOU CAN CHECK YOUR DATA AND IN MOST CASES ALSO HAVE IT CLEANSED FULLY AUTOMATICALLY.

## REAL-TIME SERVICES

WITH THE *DQ REAL-TIME SERVICES*, INCORRECT ADDRESS INFORMATION IS AUTOMATICALLY CORRECTED „ON THE FLY“ THROUGH ERROR-TOLERANT ACCESS TO REFERENCE DATA.

## MONITOR

THE *DQ MONITOR* CONTINUOUSLY MONITORS YOUR DATA QUALITY IN ACCORDANCE WITH BUSINESS RULES YOU HAVE SPECIFIED YOURSELF.

PREVENT  
THE EROSION OF  
DATA QUALITY!



*Secure data quality right from the outset!*

## Rounding off data quality processes

High data quality is critical for the success of your company irrespective of industrial and commercial sectors and applications. In this respect, it is important not to create data quality only on a one-off basis! A consistently applied quality management has the goal of permanently subjecting data to a quality check in a cycle and automatically checking, matching, enhancing and possibly consolidating it right from the input.

## Build your Data Quality Firewall

The most effective and most efficient way of eliminating data quality problems consists in prevent them from arising. „Creeping“ contamination of the data can be avoided by continuously implementing data quality checks directly at the points at which data gets into the system. Users receive direct feedback about possible problems and can directly intervene in cases where automatic correction is not possible.

Apart from a check for completeness and validation against reference lists, permanent database maintenance should be provided by checking all the input master data against the database, in order to prevent duplicates from arising. Depending on the business model, enhancing with external or internal reference data is also recommended.

## Finding instead of searching

In day-to-day business, customer inquiries, the service hotline or order acceptance via telephone frequently give rise to situations, in which customer and supplier information, account or contract data has to be accessed quickly and reliably without a clear reference term being available. In this respect, the challenge is to find particular data in the database, whereby it is often the case that only partial information is available or the spelling is unclear.

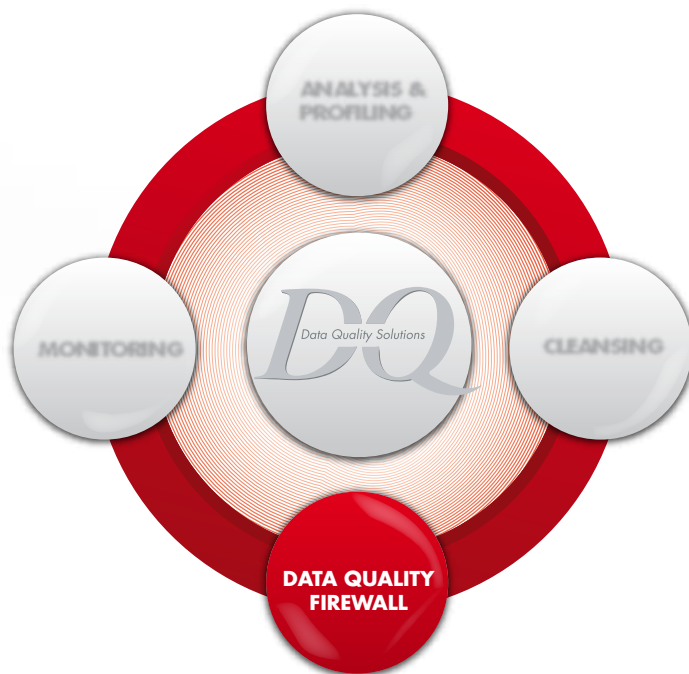
Uniserv DQ RealTime Services supply you with the required information at the press of a button, even if the search words are incomplete, imprecise or incorrectly spelled. After all, your staff should be specialists in your business processes not in searching in databases.

## Data quality and e-Business

The input of incorrect and incomplete data is a matter of course in e-business. Particular attention should be paid to the issue of data quality in an environment, in which the customers input their data themselves. Frequently only abbreviated, unstructured or completely wrong information is input, or unintentional typing errors creep in.

Suitable functions to guarantee consistent data quality have still not been integrated in the web applications of many companies. This is indispensable, however, because success in online business goes hand in hand with data quality.

UNISERV  
PRODUCT RANGE  
FOR THE DATA  
QUALITY LIFE CYCLE



DETECTING POOR DATA QUALITY IN THE  
CONTEXT OF THE DATA QUALITY LIFE CYCLE

## What we offer you

Our solutions for securing data quality in interactive and other real-time applications have been combined in the *DQ Real-Time Services*. Irrespective of your application, incorrect or incomplete customer information is suppressed to the largest possible extent by means of the *DQ Real-Time Services* - also in the SAP and ORACLE environments.

Hearing, reading, typing errors or abbreviations are automatically corrected by error-tolerant access to reference data and are thereby excluded as sources of error. A fully automatic duplicate check (without user interaction) and the possibility of carrying out clustering on the basis of name and address elements, e.g. at the household level, are other important options. In addition to this, addresses can also be interactively qualified, personalised and evaluated under various aspects (examples: micromarketing or risk management).

The *DQ Real-Time Services* allow you to secure customer data quality immediately at input. Errors are identified „on the fly“ through various plausibility checks and either automatically corrected or reported to the user.

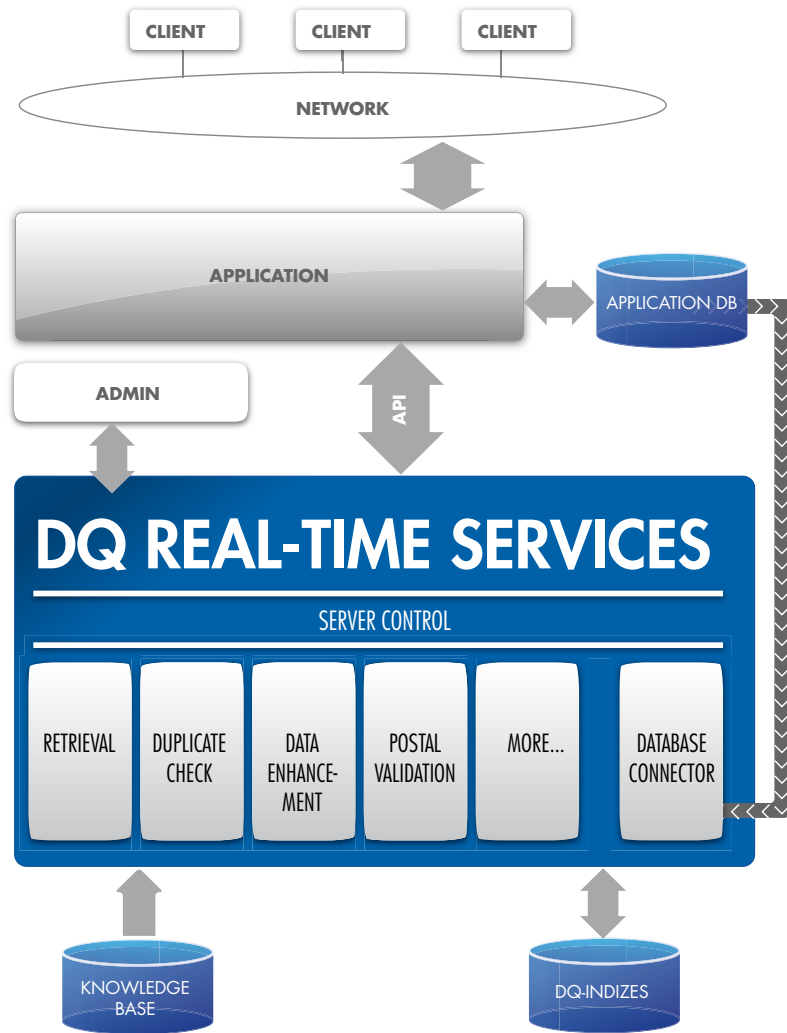
Erosion of the obtained data quality is thereby prevented!

## 360°-view

The prevention of duplicates is a prerequisite for a consistent and complete view of your customers within your application. However, the *DQ Real-Time Services* can do even more than this when it concerns the integration of views of customers or products over several applications. As a result of its application-independent design, the Uniserv *DQ Real-Time Services* can also be used across applications, in order to match data in different systems in real-time, thereby creating a consistent view of the customer.

## Different countries have different customs

Our offer of *DQ Real-Time Services* can also be used with the same functional capability in companies which operate internationally. We make country-specific product versions and knowledge bases available for the services. In addition to this, the Unicode capability of the *DQ Real-Time Services* guarantees worldwide data quality and can also handle the different scripts and national character sets. As a result, the *DQ Real-Time Services* meet the highest demands of international data quality.



## Available services

The *DQ Real-Time Services* are ideally suitable for integration in existing or planned applications in „open systems“ and intelligent client/server solutions – also in the SAP and ORACLE environments.

- Address analysis & address formatting
- Address retrieval
- Real-time duplicate check, clustering (e.g. at the household level), Data enhancement, Compliance Check
- Postal address check
- Geo- & micromarketing
- Bank data check
- Telephone number check

## Even more performance, security and comfort

The product options Server Control and Database Connector leave nothing to be desired, even in the case of installations with the highest demands of performance and reliability:

- All servers can be centrally administered and monitored.
- Automatic synchronisation of the specialised internal data quality indices with the application data via database triggers.
- Parallelisation and load distribution also exceeding computer limits, therefore maximum scalability and extra security through redundancy.
- Completely transparent for the applications.

## Good to know!

STANDARD API  
FOR ALL GENERALLY USED  
PROGRAMMING  
LANGUAGES

The *DQ Real-Time Services* can be called from all generally used programming languages and are provided with a standard API interface, so that the function call-up is identical irrespective of

- the platform (client) your application is running on
- the platform (server) the respective DQ function is running on
- whether the component is permanently linked to the application
- whether the component is running on another computer in the network (distributed client/server application)

The *DQ Real-Time Services* can be seamlessly integrated in a great variety of IT architectures and can be invoked from rich clients, application servers or databases without any problems. It goes without saying that all *DQ Real-Time Services* are also accessible as a Web service.

The certified integration for duplicate search and address validation is particularly interesting for SAP applications.

## Technical specifications

**Available platforms:** Windows, AIX, hp-ux, Solaris, Linux

**Client libraries:** Windows, AIX, hp-ux, Solaris, Linux, z/OS, VSE, OS/400

**Hardware configuration:** Dependent on the number of active services and users working in parallel.



Further information:



Uniserv GmbH  
Rastatter Str. 13  
75179 Pforzheim/Germany  
T +49 7231 936-0  
F +49 7231 936-3002  
E info@uniserv.com • www.uniserv.com