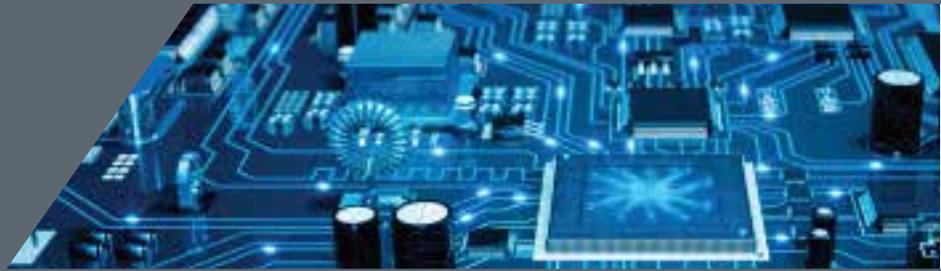


CACI Wows Educational Institutions with Real-Time Reporting on On-Premises and Cloud Systems

Use Case



CACI delivers marketing solutions and information systems for many industries and government organizations worldwide. For example in higher education CACI provides software solutions to manage student administration. Besides student administration software, their clients use a multitude of standard software solutions from other vendors. CACI also offers its clients high performance real-time reporting on top of student administration data combined with data from other data sources.

Integrated Reporting Across Multiple Applications and Databases

CACI's standard package OSIRIS offers student administration and is used by dozens of higher education (BSc, MSc) institutions in the Netherlands. OSIRIS is a modular package, tailored towards several audiences (students, teachers, managers) and functions (enrollment, planning, execution, graduation, decommissioning). OSIRIS complies with all local rules and regulations and integrates with relevant regulative offices. For example OSIRIS integrates with StudentNet, the centralized student registration system in the Netherlands.

On top of the OSIRIS student administration solution, higher education institutions typically use several standard software solutions to manage other functions such as Education Planning, HR and finance. Multiple software solutions from different vendors present a major data integration challenge. The institutions have to report across functions but data volumes are significant and every system comes with its own database.

To accommodate the cross-functional reporting requirement, educational institutions consolidate data from multiple applications in a data warehouse using their database technology of choice. For up-to-date results, data should arrive in the data warehouse as close to real-time as possible.

Solution

CACI chose HVR as its data integration solution to deliver the OSIRIS data to its customers. For CACI HVR represents the perfect choice:

- Data is delivered in real-time.
- HVR supports the multiple technologies in the environment including the Oracle system hosting the OSIRIS application and the clients' data warehouse, often running SQL Server.
- Thanks to log-based change data capture there is no impact on the OSIRIS application directly.
- HVR's easy-to-use graphical user interface ensures a quick and painless implementation and hassle-free operations.
- Integration with the cloud-based SaaS edition of OSIRIS is transparent to CACI's clients thanks to HVR's optimized and highly compressed data transfer across the network.

CACI

Customer

CACI

Challenges

Integrate student administration data across multiple applications.

Provide real-time integration to a data warehouse.

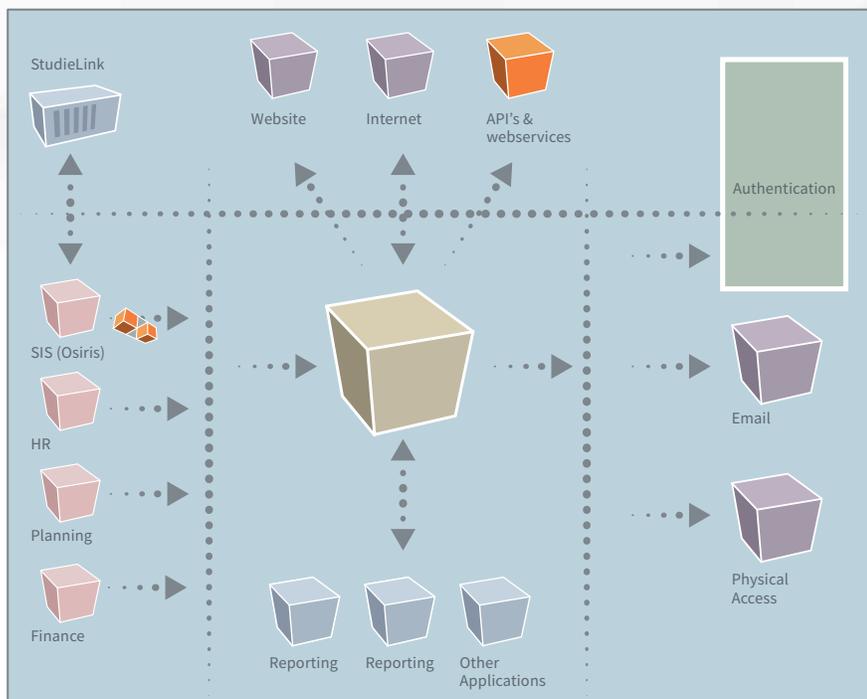
Solution

HVR provides real-time data integration across on-premises and cloud systems.

Log-based change data capture ensures no impact to the OSIRIS system.

Benefits

- Easy to use GUI ensured rapid implementation and painless operations
- Minimize performance impact on existing systems
- 24x7 data access for users



“HVR ensures our customers’ real-time 24x7 access to their data without us having to take extreme measures to ensure it.”, says Gert Simons, CEO of CACI NL. “We have virtually no overhead from HVR, even though it operates in real-time. HVR’s flexibility means we can easily adapt to the various requirements of our customers. Moving our application to the cloud did not alter any of this.”

Example: HZ University of Applied Sciences

HZ University uses the central data warehouse extensively for reporting and analytics. For example HZ attracts students from a large geographic area, so enrollment statistics are sliced and diced by region and combined with demographic data to analyze its recruiting performance.

HZ University also uses the central data warehouse as part of its operational processes. To support this, HZ has created an architecture of brokers acting upon the data in the data warehouse.

HVR: Real-Time Data Delivery, Flawless Operations

Data delivery from HVR fits nicely in this architecture. The continuous flow of data from HVR triggers brokers to react immediately and take the necessary action. For example, if a student enrolls online then by the time he/she reaches the parking lot his/her car has been registered and is allowed in.

“We get the best results with our analytics and brokers acting on the OSIRIS data, as the delivery by HVR is by far superior to all other packages.”, Ronald Verhage, BI Architect of HZ University explains. “HVR delivers the data in real-time, can perform necessary transformations to enhance our data and has proven very flexible when needing additional data. Its operational track record is flawless. We wish all data were delivered to us by HVR!”

About HVR

At HVR, we believe it should be easy to deliver large volumes of data efficiently, reliably and at the right time into your data store of choice. Our software, the HVR High Volume Replicator, does exactly this using real-time data capture between data sources including SQL databases, Hadoop, data warehousing and business intelligence data stores as well as the most commonly used file systems.

For those organizations where real-time data replication is a mission critical process, HVR has been proven to be a reliable, secure and scalable solution by some of the largest global companies and leading government and defense organizations.

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