



CASE STUDY
REAL-TIME ANALYTICS
CACI

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

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Background

CACI delivers marketing solutions and information systems for many industries and government organizations worldwide. In the higher education sector, CACI's software solutions manage student administration and also provide high performance real-time reporting.

HVR allows CACI to report not only on data from its own student administration system, but also to allow customers to consolidate data from the other heterogeneous systems they use to manage their operations for comprehensive reporting.

Challenge

Dozens of higher education institutions across the Netherlands rely on CACI's standard OSIRIS application for student administration. The modular OSIRIS solution serves several audiences, including students, teachers, and managers. It manages functions such as enrollment, planning, execution, graduation, and decommissioning.

OSIRIS also coordinates the student enrollment information with StudentNet, the centralized student registration system run by the Dutch government. Higher education institutions in the Netherlands receive tuition for its students from the government based on their enrollment. The integration between the CACI and the government system simplifies this reimbursement process. CACI needed a way to replicate data between these systems.

In addition, higher education institutions typically use several standard software solutions from various vendors to manage functions such as education planning, HR and finance. The institutions must create reports that span student administration and these other functions. However, the large data volumes and the fact that every system comes with its own database makes for major data integration challenges that complicate the reporting process.

CASE STUDY SNAPSHOT

Customer: CACI

Challenge:

Integrate student administration data with government systems. Provide real-time data integration for CACI and third-party data to a data warehouse.

Solution:

HVR provides real-time data integration with the government systems as well as across its own on-premises and cloud systems. Allows customer universities to replicate data from CACI and third-party applications into a data warehouse.

Benefits:

- Log-based change data capture ensures no impact to the production OSIRIS system
- Easy to use GUI ensured rapid implementation and painless operations
- Minimize performance impact on existing systems
- 24x7 data access for users

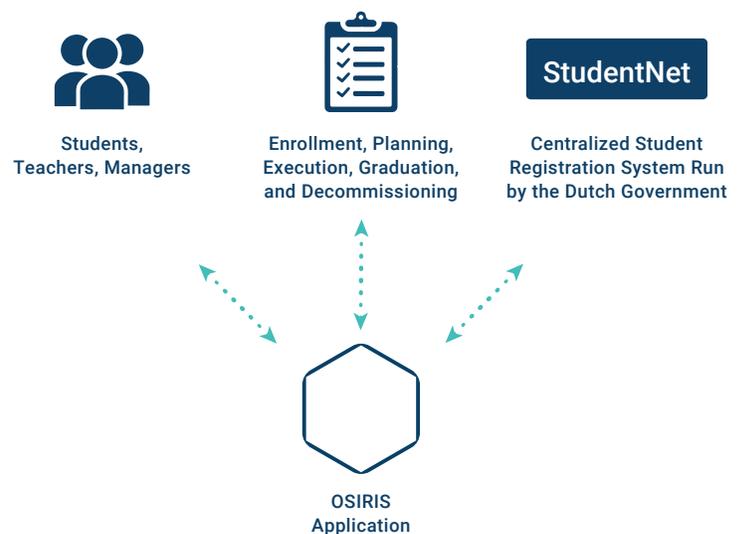
Database:

- Oracle
- MS SQL Server

Use Case:

- On-premises and cloud-based data integration

To meet the cross-functional reporting requirement, educational institutions consolidate data from multiple applications into 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.



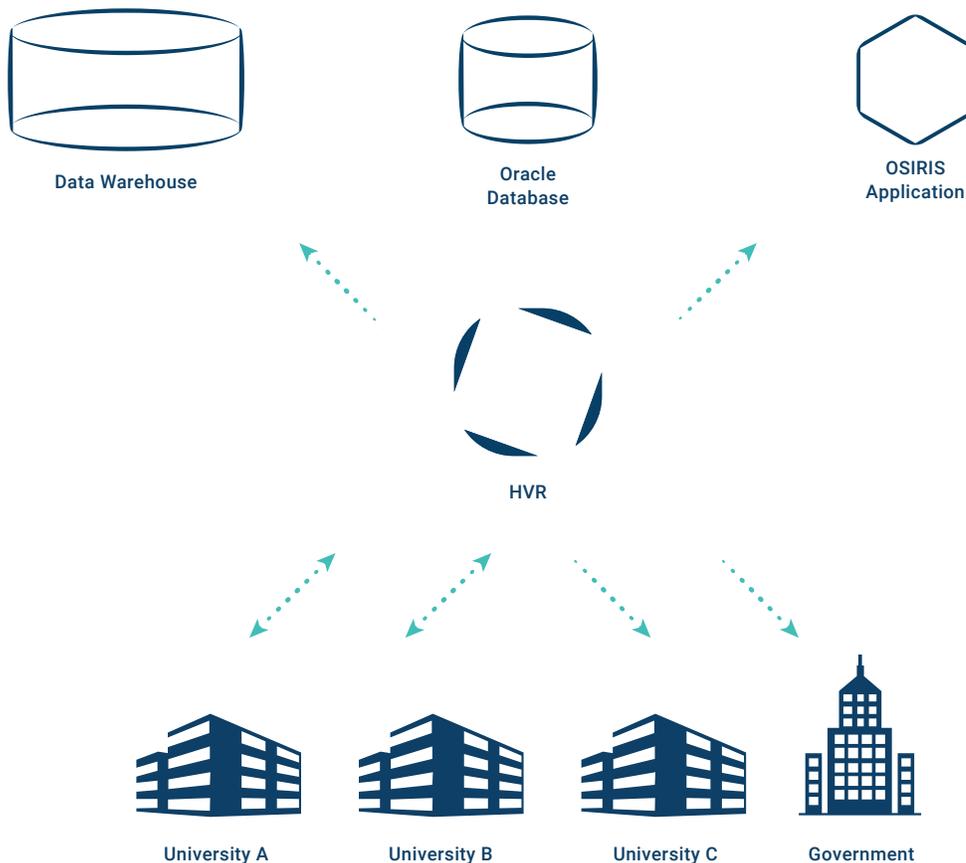
Solution

CACI chose HVR as its data integration solution to exchange data in real-time between its university customers and the government as well as to deliver customer data from OSIRIS and other systems to the data warehouse.

HVR supports all of the database technologies within the CACI environment, including the Oracle system hosting the OSIRIS application and the university data warehouses, which frequently run on MS SQL Server. CACI offers a SaaS version of OSIRIS and HVR enables integration with this version as well.

One CACI customer using the solution is HZ University. It uses a CACI data warehouse to create reports that analyze its recruiting performance. HZ attracts students from a large geographic area, so it slices and dices enrollment statistics by region and combines them with demographic data to analyze its recruiting performance.

In addition, HZ University uses real-time data delivered by HVR to the data warehouse to trigger brokers that take specified automated actions. For example, if a student enrolls online, by the time he/she reaches the parking lot his/her car has been registered and is allowed in.



Result

Great Performance Ease of Use

Using HVR for data integration, CACI has been able to provide high-performing real-time data integration. Log-based change data capture eliminates performance impact on the OSIRIS production application, while HVR's optimized and highly compressed data minimize latency for data transfer across the network.

HVR's easy-to-use graphical user interface ensures a quick and painless implementation and hassle-free operations.



Client Experience

“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 . . . 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!”

Ronald Verhage, BI Architect of HZ University

“HVR ensures our customers’ real-time 24x7 access to their data without us having to take extreme measures to ensure it . . . 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.”

Gert Simons, CEO of CACI NL