



# DATASTREAM OMS<sup>+</sup>

As seen on ASUG News + Views

## **Reengineering for the Cloud: How OMS+ Was Rebuilt for the Future of SAP Order Management**

DataXstream has spent more than two decades immersed in SAP environments. The company's dual identity as both a service provider and product innovator has given it a clear view into the challenges customers face when selling through complex, multi-channel ecosystems.

Author: Hernan Gioioso  
Chief Product Officer DataXstream

As it operated its own business using SAP and OMS+ internally, DataXstream encountered the same friction points that its customers aimed to resolve.

Those insights became particularly relevant as momentum grew around SAP S/4HANA Cloud Public Edition. The existing OMS+ solution was optimized for on-premise and Private Cloud environments; and as SAP introduced clean-core principles, DataXstream recognized an opportunity to engineer a solution purpose-built for these new architectural standards.

This effort involved rethinking how order management functions under cloud constraints. Consequently, OMS+ Cloud was designed to fit the performance, scalability, and lifecycle expectations of

S/4HANA Cloud Public Edition.

## Meeting the Demands of Multi-Channel Order Management

Sales teams today face a logistical reality that legacy systems struggle to handle. The platform is engineered to manage orders containing more than a thousand line items, processed across a tangled web of global regions and varying delivery methods. Regardless of where the sale happens—at a physical counter, in a call center, or on a mobile tablet—the user demands an interface that is fast, unified, and accurate.

OMS+ Cloud solves this by creating a centralized command center for orders that automates critical checks like pricing and inventory to drastically reduce manual work. Designed for clean core standards, the solution is built to deploy instantly via the SAP Store and scale globally without compromising system stability.

OMS+ Cloud gives customers a modern path forward. It allows them to implement advanced order management processes in the Public Cloud while maintaining the architectural integrity needed to ensure seamless future upgrades.

To achieve this balance between innovation and stability, the platform uses a combined architecture: S/4HANA Public Cloud handles transactional logic, while SAP Business Technology Platform (BTP) manages integration and extensibility. Workloads are distributed between ABAP Cloud and SAP BTP to ensure performance and support growth.



DataXstream's solution remains tightly aligned with S/4HANA's native data structures. Order processing runs cleanly, maintaining high performance and preventing mismatched behaviors between layers. Meanwhile, BTP provides the space for developers to add new capabilities, connect systems, and surface insights through analytics or custom applications.

This structure was chosen intentionally to support long-term extensibility and system resilience. It respects SAP's release cadence and eliminates the risks that come from directly modifying ERP code. Customers can continue to innovate without facing upgrade disruptions or configuration freezes.

## Clean Core and Scalable Delivery

The shift to Public Cloud introduced a new development discipline. DataXstream's engineers were experienced in enhancing SAP from the inside, but clean-core development required a different approach. They had to adopt the tools and habits of extension-based design, using only released APIs, CDS views, and supported extension points.

The transition came with tradeoffs. Some features, such as identity propagation using Business Objects, were not fully supported in the way the team preferred. To work around missing functionality, the team used communication-user authentication and filed formal requests to SAP through the influence channel.

Rather than pushing ahead with shortcuts,



the team adopted a design-first approach requiring tighter collaboration between functional and technical teams. Extensibility gaps were flagged during design, before code was written.

Clean-core principles demanded more deliberate engineering choices, but those choices resulted in a product better suited for long-term compatibility. The team replaced manual deployment methods with automated pipelines that support consistent, global rollouts. The product is provisioned through SAP Store, and updates are deployed using CI/CD processes that minimize disruption.

BTP tools monitor the system continuously, tracking key performance metrics and surfacing potential issues early. Updates are delivered without

downtime, and customers receive support through a global escalation model with options to participate in SAP Influence programs.

Every implementation generates insight that informs the next. Product evolution is shaped by structured feedback from customers and kept in sync with SAP's own release and innovation cycles.

SAP's Premium Certification process served as a checkpoint for the work. OMS+ Cloud was evaluated on its technical compliance, security posture, upgrade behavior, and performance under load. SAP evaluated how OMS+ Cloud leverages released APIs and confirmed that its extensibility does not threaten the stability of S/4HANA Cloud.

For customers, this certification provides assurance that the product is production-ready and well aligned with SAP's operational standards. The certification confirms the product's ability to scale, stay current with releases, and function safely within the core S/4HANA environment.

## Aligning With What Comes Next

Many SAP customers continue to question whether S/4HANA Cloud Public Edition can accommodate advanced order management. The work behind OMS+ Cloud has demonstrated that it can. The solution supports complex configurations, large-volume transactions, and geographically distributed fulfillment, all within SAP's clean-core framework. Customers who previously hesitated to

move their sales execution to Public Cloud are finding that the capabilities now exist. They are no longer forced to compromise between meeting compliance standards and supporting sophisticated operations.

Its reliability is a direct result of architectural discipline and intentional design, not just functional breadth. The architecture, tooling, and delivery methods all reinforce long-term sustainability.

At SAP TechEd in Berlin, it became clear that DataXstream's direction aligns with SAP's broader strategy. The emphasis on ABAP Cloud, Business AI, and composable architecture validated the company's roadmap for OMS+ Cloud. Those same priorities continue to shape new features under development.

SAP's 2025 Pinnacle Award for Business AI Partner Innovation acknowledged both the progress and the impact of DataXstream's work. OMS+ Cloud is already exploring AI-driven capabilities through OMS+ IA, with future enhancements aligned to SAP's standards for extensibility and lifecycle safety.

DataXstream's roots with SAP run deep. Since its first SAP installation in 1998, the company has supported over 75 customer SAP systems and continually evolved with the platform. OMS+ Cloud is a continuation of that legacy. It is a product built for S/4HANA Cloud Public Edition, designed to handle complexity and ready to adapt as SAP's future unfolds.