

SigmaStream Interoperability Whitepaper

Enabling Seamless Data and Operations Across Platforms

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SigmaStream Interoperability: Enabling Seamless Data and Operations

At SigmaStream, we understand that no two organizations operate the same way. Different environments bring different operating systems, data formats, and engineering protocols. Our interoperability offering is designed to bridge these differences seamlessly, allowing customers to deploy SigmaStream's stack across diverse infrastructures without compromise.

Interoperability at the Core

SigmaStream's stack has been architected with interoperability as a guiding principle. From the ground up, our products are designed to run on multiple operating systems, giving customers the freedom to choose the environments that suit their IT and operational requirements best. Beyond the OS layer, we support a wide array of engineering protocols used in Oil & Gas and adjacent industries. This includes handling data at varying speeds—from low-frequency operational logs to very high-frequency sensor feeds—as well as ingesting and processing diverse formats and units of measurement. The result is a system that adapts to the data and environment, rather than forcing the environment to adapt to the system.

Practical Benefits of Interoperability

Interoperability is more than a technical feature—it directly translates into business value. By supporting multiple platforms and standards, SigmaStream eliminates the risk of vendor lock-in, giving companies the flexibility to evolve their ecosystems as needs change. Deployment becomes faster and smoother since our technology integrates with what you already have, rather than demanding wholesale replacements. The ability to work with existing tools and data streams also reduces training requirements, because teams can continue to operate in familiar workflows while still reaping the benefits of advanced analytics and automation.

Designed for Real-World Operations

What makes SigmaStream's interoperability offering different is that it isn't just about technology for technology's sake. We've worked closely with engineers, operators, and managers to understand the daily realities of deploying and maintaining systems in the field. The design decisions behind our stack reflect this understanding—ease of deployment, reduced downtime, and the flexibility to integrate into heterogeneous environments are priorities because they matter in real-world operations. Our goal is to make the technology feel less like a hurdle and more like a trusted partner that works with you, not against you.

Conclusion

Interoperability is at the heart of SigmaStream's mission to simplify data-driven operations. By delivering a stack that works across operating systems, protocols, data speeds, formats, and units of measurement, we give our customers the freedom to focus on outcomes rather

than integration challenges. The business impact is clear—less lock-in, easier deployments, and more resilient operations that can scale and adapt with time. This is the SigmaStream difference: technology designed to work everywhere, so your team can work better.