

Financial Services

"With Diffusion, we saved 4-6 months of development time, eliminated our 2-3 hours of costly weekly downtime, and we experienced a **5X growth in our major client base.**

Now we can focus on market analysis for traders around the globe."
- **Steve O'Hare**, Managing Director, Signal Centre

eGaming

"Using Diffusion has enabled us to improve customer engagement, reduce costs, and exceed our growth targets. In the three years since implementation, we **have seen a 20-30% growth in revenue.**"

- **Keith Laidlaw**, CIO, GVC

Transportation

"We made the **right choice with Diffusion – every technical hurdle** that we faced with handling Ocean Guardian data and connectivity **is addressed by the Diffusion platform.**"

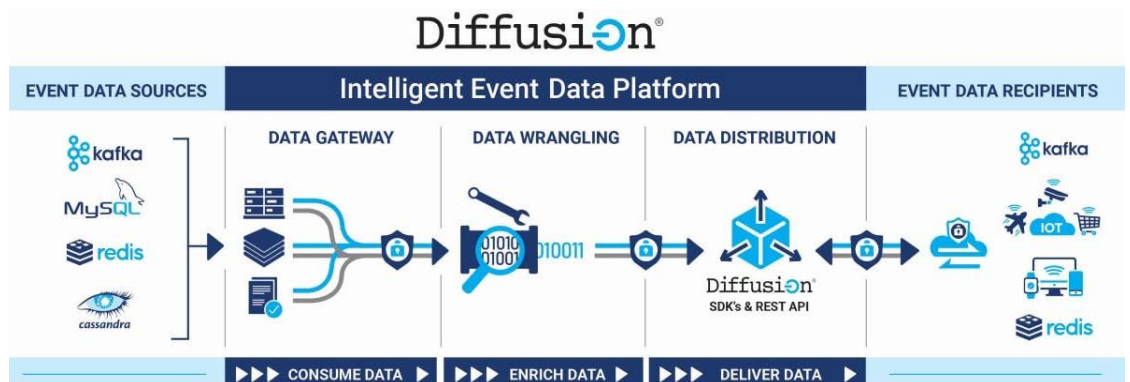
- **Ben Rogers**, CTO, Brenock

And more...

The race for digital transformation is on, and every business worldwide is building event-driven, real-time applications – from financial services, transportation, and energy, to retail, healthcare, and Gaming companies

The Diffusion Intelligent Event-Data Platform enables organizations to accelerate innovation and deliver game-changing real-time applications to market faster, while significantly reducing the cost of software development. Once deployed, Diffusion turbocharges the application to deliver Internet-scale performance with significant reduction in CapEx and OpEx costs

Diffusion is used by organizations worldwide to build innovative new event-driven applications as well as to extend legacy systems.



Diffusion Intelligent Event-Data Platform includes everything you need to consume, enrich and deliver event-data to power your event-driven real-time applications. The three key components of Diffusion are:

- **Data Gateway**, with pre-built adapters, makes it easy consume raw event data from a variety of sources in any size, format or velocity
- **Data Wrangling**, with hierarchical topic trees and **low-code** features, enables dynamic enrichment and transformation of data to suit the client applications and business logic
- **Data Distribution**, with a real-time event broker, enables reliable and efficient **data delivery** to millions of concurrent connections while reducing the bandwidth usage by over 90%

Security is an integral part of each of the three components. Diffusion offers fine grained role- based access control with security policies applied instantaneously to all connections. Authentication options include OAuth, JWT or custom authentication.

Low-Code features of Diffusion are powered by Domain Specific Language (DSL), a declarative language, that enables **data wrangling** without having to modify the application software.

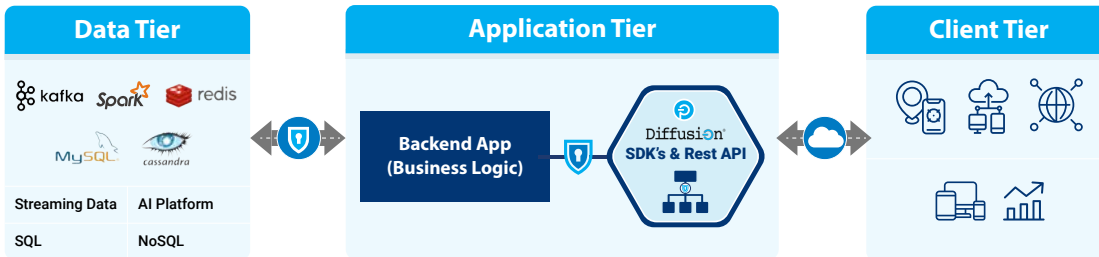
Communication models supported by Diffusion include Publish-Subscribe and Request-Response using WebSocket based Diffusion SDKs, in all of the popular programming languages, or via the REST API.

Diffusion®

Intelligent Event-Data Platform

PUSH TECHNOLOGY
Rethink Real-Time

Diffusion operates in the application tier, typically with the backend application that orchestrates the business logic. Diffusion offers flexible deployment models to meet each organization's specific business and regulatory requirements – in-the-cloud, on-premise and in hybrid environments.



Consume	<ul style="list-style-type: none"> Includes pre-built Adapters for Kafka, MQTT, REST, and more. Accommodates both streaming and static data sources. No restrictions on size, format or velocity of the data.
Enrich	<ul style="list-style-type: none"> Flexible hierarchical live data model presented as a topic tree. Massively scalable to millions of topics. Domain Specific Language for low-code data wrangling, such as data masking, data transformation, virtual topic trees, topic inserts, session topic trees, etc.
Deliver	<ul style="list-style-type: none"> Real-time event broker with support for Pub-Sub and Request/Response models. Massively scalable to millions of concurrent connections. Advanced client session management with automatic reconnect and recovery of session state and in-flight data. Ability to delay or throttle data to suite client app. Intelligent queuing, conflation, compression and patented delta-streaming of data for up to 90% savings in bandwidth. Fine-grained role-based access control with security policies applied dynamically. Authentication options include OAuth, JWT or Custom.

Get Started With Diffusion Today!

www.pushtechnology.com

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Diffusion Includes a Rich Library of SDKs

Java,
JavaScript,
C,
.NET (C#),
Python,
Android,
Apple (Swift)

Award Winning Technology

