

Partner Ecosystem Guide

Building the Ecosystem for Deterministic Real-Time Systems

The Volt Partner ecosystem unites an elite network of system integrators, technology partners, and ISVs with a single purpose: delivering real-time decisioning at the moments that matter most. Together, we solve what others can't and build what the world's most demanding enterprises depend on.

Join

Become part of an elite network of partners at the forefront of real-time decisioning

Build

Develop expertise, solutions, and go-to-market motions with full Alliance support

Win

Close deals, grow revenue, and deliver mission-critical outcomes at scale

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Building the Ecosystem for Deterministic Real-Time Systems

Partner with Volt and capture high-value real-time data opportunities

Volt Active Data powers mission-critical systems where decisions must be correct, consistent, and enforced in milliseconds. Originally developed from academic research and proven in the demanding environment of global telecommunications networks, Volt provides the deterministic decision infrastructure behind some of the most performance-sensitive platforms in the world.

Today, as digital systems evolve toward real-time architectures and AI-driven applications, the need for deterministic decision infrastructure is expanding across industries. Volt partners help enterprises build these systems and bring this architecture to market.

Modern applications demand real-time decisions on streaming data, from telecommunications charging systems processing millions of transactions per second to financial platforms executing high-frequency trades. The market for real-time data platforms is exploding as enterprises replace slow, legacy systems with modern architectures that decide and act in the moment. Volt matters where speed, scale, and correctness cannot be traded off and where the cost of a late or inconsistent decision is too high to accept.

1B+

global end-users served

99.999%

consistent enforcement under load

<10ms

transaction per second

The Evolution of Real-Time Infrastructure

Volt's ecosystem has developed across three major waves of infrastructure evolution.

Wave 1: Telecommunications Infrastructure

Telecommunications networks required platforms capable of evaluating millions of transactions per second with strict correctness guarantees and continuous uptime.

Volt became the decisioning engine behind systems such as online charging systems, policy control platforms, subscriber management, and network monetization systems.

Many telecom platforms embedded Volt as an OEM component, allowing partners to scale mission-critical infrastructure globally.

Wave 2: Digital Real-Time Enterprises

As industries digitized, new real-time systems emerged across financial services, digital engagement platforms, and IoT infrastructure.

These systems required instant evaluation of events with persistent operational state and transactional correctness.

Examples include high-frequency trading platforms, real-time payments, hyper-personalization engines, and sensor-driven IoT systems.

Wave 3: AI-Driven Systems

AI now generates intelligence at unprecedented scale, but it introduces a new architectural challenge.

AI models provide predictions and recommendations, but they do not enforce deterministic outcomes or guarantee consistent behavior under load.

Volt provides the authoritative decision layer that governs and enforces outcomes based on AI insights, ensuring systems behave correctly and reliably in production environments.

The Deterministic Decision Architecture

Modern Real Time Systems Rely on a layered architecture

AI & ML Systems

Provide predictions, scoring, and interpretation of signals.

Streaming Data Platforms

Transport events and signals across systems in real time.

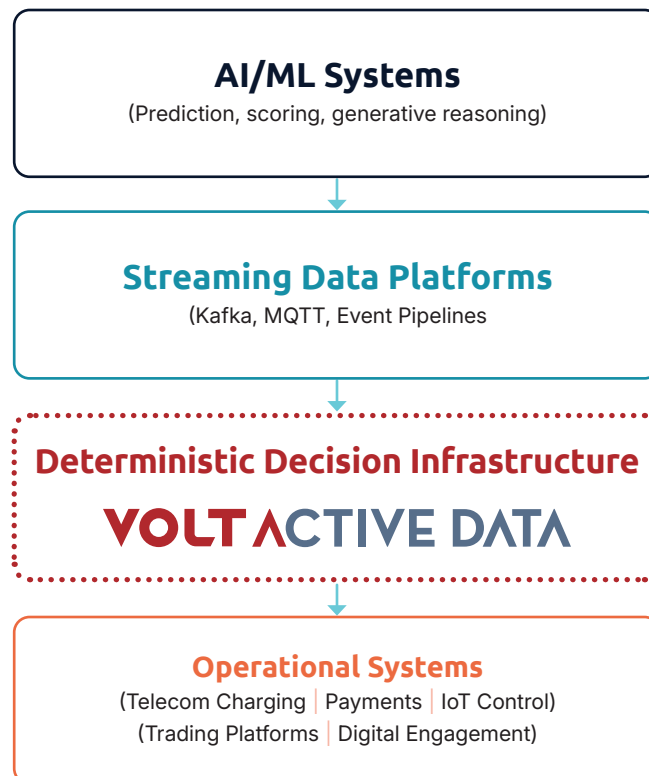
Deterministic Decision Infrastructure (Volt Active Data)

Maintains operational state, evaluates policies, executes deterministic logic, and enforces outcomes immediately.

Operational Systems

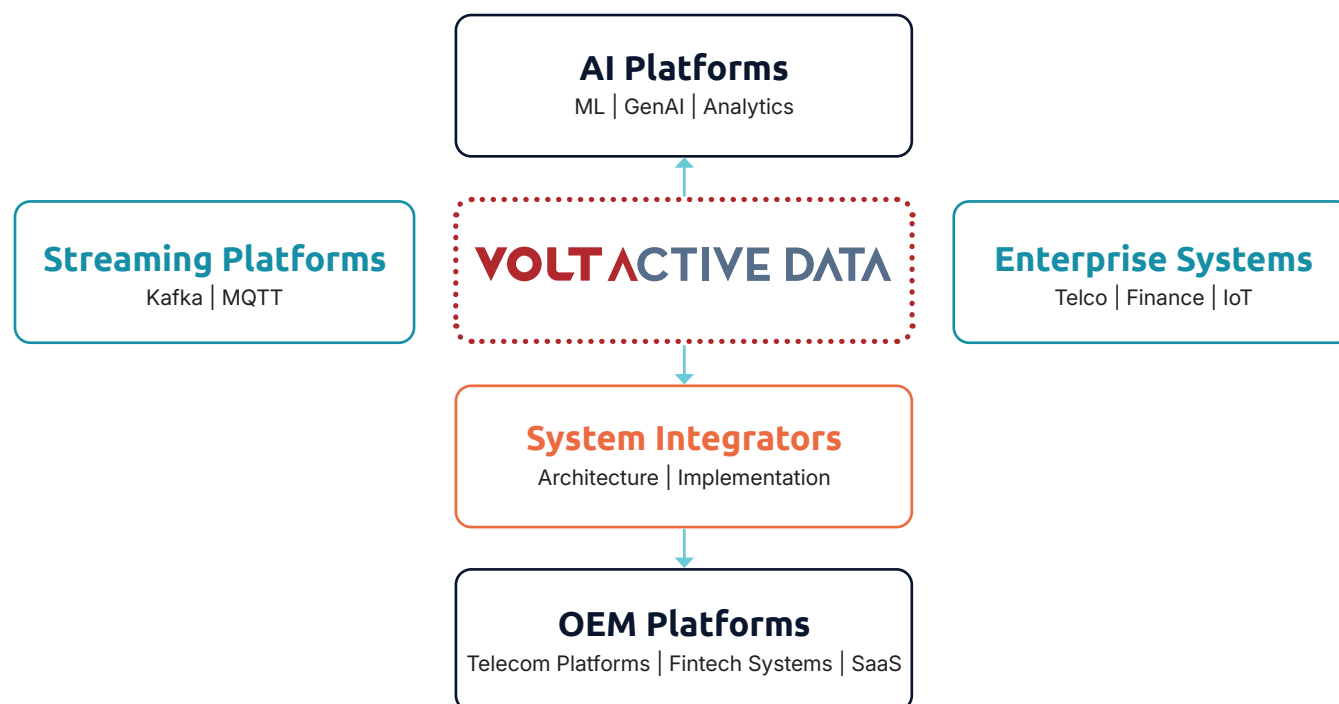
Applications such as telecom charging platforms, financial trading systems, IoT control platforms, and digital engagement systems. Volt sits directly in the critical decision path, enabling systems to make authoritative decisions instantly and at scale.

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The Volt Partner Ecosystem

Volt works with three primary partner types aligned to how real time systems are built and delivered



OEM Partners

OEM partners embed Volt directly into their platforms to provide **deterministic decision infrastructure**.

This model has historically powered large telecom platforms and continues to support infrastructure software vendors building mission-critical systems.

System Integrators

System integrators design and implement real-time architectures for enterprise transformation programs.

These partners help organizations modernize legacy infrastructure and build new platforms capable of operating in real time.

Technology Partners

Technology partners extend streaming, AI, cloud, and infrastructure platforms with Volt's deterministic decision capabilities, creating complete real-time architectures for customers.

Where Partners Create Value

Volt partnerships deliver the most value in markets where decisions must be both fast and correct.

Telecommunications	5G monetization, policy control, charging systems, and network automation.
Financial Infrastructure	Trading platforms, real-time payments, fraud systems, and digital banking.
IoT and Smart Infrastructure	Sensor processing, automation, smart cities, and industrial IoT systems.
Digital Engagement	Real-time marketing, hyper-personalization, and recommendation systems.
AI-Driven Systems	Operationalizing AI decisions with deterministic enforcement and governance.

Partner Revenue Opportunities

Partners build profitable practices around Volt through multiple revenue streams.

System Integrators

- > Architecture design and implementation
- > Platform modernization programs
- > Managed services
- > Operational support and optimization

Technology Partners

- > Integrated solution offerings
- > Expanded adoption of partner platforms
- > Joint go-to-market solutions

OEM Partners

- > Embedded infrastructure capabilities
- > Platform differentiation
- > Recurring licensing revenue through embedded solutions

Why Partners Build on Volt

Volt solves a critical problem in modern infrastructure. Traditional architectures separate streaming systems, state management, decision logic, and transactional enforcement across multiple layers. Volt unifies these capabilities into a single deterministic decision infrastructure layer that allows partners to build systems that are:

- > Faster
- > Simpler to operate
- > Reliable under extreme load
- > Architecturally elegant for real-time systems

This infrastructure foundation allows partners to deliver mission-critical platforms where incorrect or delayed decisions are unacceptable.

Why Volt Wins Infrastructure Deals

Volt Enables Systems that Cannot Fail

Volt wins when systems require:

Millisecond Decision
Latency

Strict Correctness
Guarantees

Massive Scale

Continuous Uptime

Examples Include

Telecom Charging
Platforms

Financial Trading
Systems

Real-time Payments

IoT Control Systems

These are **high-value infrastructure programs**.

Volt Enables High-Value Transformation Programs

Because Volt sits in the **core decision path**, deployments typically involve:

Infrastructure
Modernization

Strict Correctness
Guarantees

Real-time
Architecture
Adoption

These initiatives are typically:

Multi-year
Programs

Enterprise-wide
Platforms

Strategic
infrastructure
investments

Volt Simplifies Real-Time Architectures

Traditional Architecture

Streaming Platform

- + cache
- + microservices
- + database
- + event processors

Volt Architecture

Streaming Signals

- deterministic decisions
- enforced outcomes

What This Means for Partners

Volt creates large, repeatable opportunities for partners.

Typical engagements include:

System Integrators

- > Architecture design
- > Legacy modernization
- > Platform deployment
- > Managed services

Services revenue is often **3–10x the software value.**

Volt enables platformsto deliver:

OEM Platform Providers

- > Deterministic performance
- > Transactional correctness
- > Extreme scale

Embedding Volt allows OEM partners to build **category-defining infrastructure platforms.**

Typical engagements include:

Technology Partners

Platforms that generate signals; streaming, AI, IoT often require a deterministic layer to operationalize outcomes.

Integrating Volt allows these partners to deliver **complete real-time decision architectures.**

Where Partners Win the Most

Volt opportunities appear most frequently in systems where decisions must be **both fast and correct:**

Telecommunications
Infrastructure

Financial Trading
and Payments

IoT and Smart
Infrastructure

Digital Engagement
Platforms

Financial Trading
and Payments

These environments produce large infrastructure **deals with significant services opportunities.**

The Strategic Opportunity

As enterprises move toward real-time architectures and AI-driven systems, deterministic decision infrastructure becomes a critical foundation.

Partners who build expertise around Volt today position themselves at the center of the next generation of mission-critical platforms.

Join the Volt Ecosystem

Volt's partner ecosystem is designed to help partners build expertise, deliver differentiated solutions, and capture opportunities in high-growth real-time infrastructure markets. The program is built for speed, scale, and measurable customer impact.

Join

Become part of an elite network of partners at the forefront of real-time decisioning

Build

Develop expertise, solutions, and go-to-market motions with full Alliance support

Win

Close deals, grow revenue, and deliver mission-critical outcomes at scale

Fast-track your entry into high-growth real-time data markets. Build technical capabilities quickly, scale your business with co-selling and marketing support, and win deals with the industry's leading real-time decisioning layer.

About Volt Active Data

Real-time decisioning on streaming data at massive scale

Volt Active Data evaluates high-volume event streams against an always-current state to make and enforce decisions, immediately, correctly, and at scale. Modern systems run on real-time signals, automation, and AI, but speed alone isn't enough. When decisions affect networks, customers, revenue, or safety, applications need accurate context and enforced outcomes, every time. Volt Active Data provides deterministic decision infrastructure for mission-critical systems. Organizations rely on Volt to maintain operational state, execute decision logic in milliseconds, and enforce outcomes consistently even under extreme load. As industries move toward real-time architectures and AI-driven systems, Volt provides the infrastructure foundation required to ensure decisions remain correct, consistent, and trustworthy at scale.

Streaming + Transactions



Unified decisioning layer combines high-speed data ingestion with ACID-compliant transactional processing

Real-Time Decisions



Make intelligent, contextual decisions on every event with sub-millisecond response times

Massive Scale



Process millions of transactions per second with consistent performance across distributed clusters

Always-On Availability



Active-active geo-replication ensures zero data loss and continuous operation across data centres

Why Volt Wins Deals

- > **Proven at Scale:** 1B+ global end-users, 53M+ IoT devices managed, \$1B+ daily trading volume
- > **Enforcement at Scale:** Decisions are correct, consistent and enforced immediately behaviour does not degrade as volume increases.
- > **Single Decisioning Layer:** Replace fragmented decision logic scattered across services, caches, and pipelines with a single authoritative execution path.
- > **Correctness Under Pressure:** Active-active replication, zero-downtime upgrades, and ACID guarantees mean the system behaves the same under load as it does at rest.
- > **Deployment Flexibility:** Cloud (AWS, Azure, GCP), on-premises, edge, hybrid configurations.

Volt & AI: Intelligence with Deterministic Control

AI excels at generating intelligence; detecting patterns, scoring risk, interpreting ambiguous situations. But AI is probabilistic by design. It cannot guarantee deterministic enforcement, consistent behaviour under load, or a complete audit trail. That's a different architectural requirement.

Volt is the governance and enforcement layer that makes AI safe for mission-critical production. Streaming systems deliver real-time signals. AI provides intelligence and recommendations. Volt maintains authoritative state, applies deterministic governance to AI outputs, makes the final decision, and enforces it immediately.

AI identifies risk. Volt governs the response

ensuring every decision is enforced safely, consistently, and in time to prevent damage.

Traditional ML Models

(fraud scoring, anomaly detection, predictive analytics) provide real-time scores as inputs.

Generative AI

provides interpretation for ambiguous cases. Volt combines both with real-time state and deterministic policy logic then enforces the outcome immediately. AI is advisory. Volt is authoritative.

Industry Solutions

Partner opportunities across high-value verticals

<p>Telecommunications</p> <p>5G networks, IoT connectivity, and real-time BSS transformation driving demand for sub-millisecond decisioning platforms.</p>	<p>Key Solutions</p> <p>Online charging systems (OCS), policy control (PCRF), session management, fraud detection, network automation, HLR/HSS, mediation & billing, least-cost routing</p>
<p>Financial Services</p> <p>High-frequency trading, real-time payments, and digital banking require guaranteed accuracy and millisecond execution.</p>	<p>Key Solutions</p> <p>Real-time payments, high-frequency trading, crypto exchanges, digital wallets, liquidity management, fraud detection, risk management, regulatory compliance</p>
<p>IoT & Smart Infrastructure</p> <p>Critical infrastructure and industrial IoT demand real-time processing of sensor data for immediate action and anomaly detection.</p>	<p>Key Solutions</p> <p>Smart metering & grids, industrial automation, connected cities, anomaly detection with AI/ML, edge computing, intelligent traffic management</p>
<p>Camera as IoT Sensor</p> <p>Modern video surveillance generates massive real-time data streams requiring intelligent edge processing and instant decisioning for security, traffic, and facility management.</p>	<p>Key Solutions</p> <p>Real-time video analytics, intelligent surveillance, traffic monitoring, facility access control, anomaly detection, edge processing of camera streams, integration with IoT platforms</p> <p>Partner Resource</p> <p>Camera as IoT Sensor solution brief — www.voltactivedata.com/resource/camera-as-iot-sensor/</p>
<p>Digital Engagement</p> <p>Hyper-personalization and real-time marketing platforms need instant customer context and sub-second decision-making.</p>	<p>Key Solutions</p> <p>Real-time customer engagement, hyper-personalization, digital advertising, recommendation engines, marketing automation, real-time analytics dashboards</p>

Proven Success

Partners delivering mission-critical solutions at scale

Note on confidentiality: Our partners operate in some of the world's most competitive and regulated industries. Many choose not to publicly disclose how they use Volt or the role it plays within their technology stack as a matter of competitive strategy. We respect and honour these agreements, which is why several of the success stories below are presented without partner attribution. **The outcomes, however, are real.**

	Challenge	Solution	Results
UK National Smart Metering: CGI & Volt Operational Control	Manage 53M smart meters with 'four-nines' availability despite 'midnight thundering herd' of simultaneous readings.	Volt as high-performance decisioning layer with smart queue management and active-active XDCR for continuous operation.	<4 min downtime/month, zero-downtime upgrades, eliminated 4–6 hour maintenance windows.
Real-Time Telecom Marketing: Mahindra Comviva Monetisation & Chargin	Process 1.5B daily events for 95M+ subscribers with hyper-personalization in the 'ear-to-pocket' window.	Volt powers MobiLytix with 1600+ behavioural features, stateful processing, ACID compliance.	10X campaign revenue, 253% increase in acceptance rates, 50% reduction in churn.
High-Frequency Crypto Trading Platform Risk & Trust	\$1B daily volume across 5M users demanded guaranteed transactional integrity at massive scale with sub-100ms ADL latency.	Migrated business logic to Volt stored procedures for ACID-compliant execution at 50K TPS.	5ms P99 latency, 50ms for complex ADL (vs 200ms), production in 2 months.
Quantum Cryptography Platform: AhP-Tech Risk & Trust	Quantum-resistant security platform needed real-time hash access with ACID isolation and global scalability.	Volt's sub-millisecond response for OTP flows with elastic scaling across AWS regions.	PaaS platform delivering quantum-ready security APIs without quantum infrastructure.


HIVEMQ
INTRACOM
HCLTech

CGI
Innominds
 Engineering Intelligence. Responsibly

LTIMindtree

Red Hat

Why Partner with Volt?

Not all real-time data platforms are built the same, and neither are the partner opportunities they create.



Volt solves a problem others can't.

Volt is a real-time decisioning platform. It doesn't just retrieve data quickly; it evaluates, decides, and enforces outcomes in the same transaction. That's a fundamentally different and harder problem to solve, which means larger, stickier, and higher-value engagements for partners.



You're selling into mission-critical.

Volt wins in environments where a wrong or late decision costs real money: telecom charging, financial trading, smart infrastructure. These aren't POC budgets. These are enterprise transformation programmes with multi-year commitments and significant services attached.



The market is greenfield.

The market is greenfield. Real-time decisioning at scale is an emerging architectural category. Partners who build Volt practices now are establishing expertise ahead of the curve, before the market commoditises and before competitors catch up.



AI is creating the opportunity.

Every enterprise is deploying AI. Most are discovering that AI generates intelligence but cannot enforce outcomes. Volt is the governance layer that makes AI safe for production. Partners with AI practices can add Volt to close the loop, turning recommendations into enforced, auditable decisions.



We co-sell, not just co-market.

Volt's partner program is built around joint pipelines, not just logo swaps. From opportunity registration and pre-sales technical support to executive engagement and proof-of-concept backing, we're in the deal with you.

Strategic Technology Partnerships

Ecosystem collaboration driving innovative solutions

HiveMQ & Network Optix: Camera as a Universal Sensor (CaaUS)

Volt Active Data, HiveMQ, and Network Optix have formed a strategic partnership to deliver a complete real-time camera IoT platform combining MQTT connectivity, intelligent video management, and real-time decisioning.

Platform Components



HIVEMQ

Enterprise MQTT broker for reliable, scalable IoT device connectivity and messaging



Network Optix

Advanced video management system (VMS) for camera feeds and video analytics

VOLT ACTIVE DATA

Real-time decisioning engine processing camera data streams with sub-millisecond latency

Joint Solution Value

- > Unified platform for Camera as a Universal Sensor applications
- > Real-time video analytics with instant decision-making
- > Scalable architecture for thousands of camera streams
- > Edge processing capabilities for low-latency responses
- > Integration with existing security and surveillance systems

Use Cases

Smart city surveillance, retail analytics, facility security, traffic monitoring, perimeter detection, crowd management, incident response automation

[Learn More](#)

demo.voltactivedata.com

Additional Strategic Partners

- > **Streaming Data:** Confluent/Kafka integration for real-time data pipelines
- > **Cloud Platforms:** AWS and Google Cloud Platform partnerships
- > **System Integrators:** CGI and leading global telecommunications and financial services integrators

[Explore all Ecosystem Partners](#)

www.voltactivedata.com/partners

Partner Resources & Benefits

Comprehensive support for partner success

Technical Training & Certification	Professional Services Support	Sales & Marketing Support
<p>Build deep platform expertise with hands-on training programs:</p> <ul style="list-style-type: none"> > Architecture and deployment best practices > Performance tuning and optimization > Production operations and monitoring > Use case development workshops > Certification paths for architects and developers 	<ul style="list-style-type: none"> > Solutions Lab for custom development > Data migration planning and execution > Technical account management > Advisory services for scaling operations > Production launch assistance 	<ul style="list-style-type: none"> > Joint go-to-market workshops > Co-selling with Volt sales team > Opportunity registration and deal support > Co-marketing campaigns and events > Lead generation programs > Quarterly business reviews

Get Started

Join the Volt Active Data Partner Program today

Partner with the leader in real-time decisioning to accelerate your business, scale your opportunities, and win deals in high-growth markets.

**Ready to
Accelerate.
Scale. Decide.**

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