



QUAZAR • QUASI-STELLAR FIX SOURCE

The **FIX fabric** that works for every counterparty.

In principle FIX is the common language of the buy and sell side. In practice every counterparty speaks a slightly different version — separate channels per asset class, different dialects per order type, networks with their own routing logic. Quazar is the AI-native fabric that absorbs that complexity.

A QUOD FINANCIAL INITIATIVE

www.quazar.org

FULL PRODUCT DETAIL AND BUY-SIDE DOWNLOAD

2,500

MESSAGES / SEC
WITH PERSISTENCE

20,000

MESSAGES / SEC
MARKET DATA

10

FREE INBOUND
CONNECTIONS, BUY SIDE

C++

BUILT FOR
PERFORMANCE

— ABOUT US

Twenty years of FIX, rebuilt for the AI era.

Quod Financial has built and run three generations of FIX connectivity and routing software — for our own business, at production scale.

Along the way we have navigated thousands of inbound and outbound gateways across disparate networks and routes. The problems are always the same: varying versions, dialects and rules; custom mapping and routing rules for each order flow; and labour-intensive certification. Networks are frequently proprietary with little cloud capability, and specifications are often out of date — errors that only surface during certification.

The result is familiar. Engineering teams end up as glorified IT support, spending weeks debugging tags instead of building trading infrastructure.

Quazar applies the 10x rule to FIX. A deterministic, low-cost, low-compute layer that lets AI manage the complexity underneath — built on a cloud-native architecture designed to absorb scale at a fraction of the traditional cost. Whether you run a handful of connections or automate thousands of routes, **you stop fighting the infrastructure.**

— PRODUCT

A new paradigm.

Quazar sits between two FIX-enabled systems. Incoming messages are matched against your mapping rules, rewritten into the format the receiving system expects, and forwarded on.

01

Your OMS, or any FIX-capable application, connects to Quazar. No front-end changes required.

02

Quazar applies your rule set — translating between FIX versions, correcting tags, mapping fields. Rules run from simple remappings to conditional transformations by asset class.

03

The normalised message is translated into the receiving system's dialect and forwarded. Order lifecycle, parent/child relationships, algo parameters and execution IDs are preserved end to end.

04

Session health, latency metrics and audit logs surface in a single control plane. Routing rules are managed through the REST API.

ROUTING

- Pass-through, fan-out, funnel-in, many-to-many
- Market data fan-out and drop-copy
- AI and visual rule builder
- REST-managed — no restart to change a route

SESSION POOL

- No hard session limit by design
- SSL-encrypted sessions
- Sequence numbers and settings via GUI
- Config rollback to last known-good state
- Replay from store, file or memory

MESSAGE MANIPULATION

- FIX 4.4 / 5.0 conversion
- Tag remapping, field defaulting, symbol suffixing
- Regulatory enrichment — RegNMS, MiFID II, CAT
- Truncation and conditional logic

MONITORING

- Session, message flow and system health
- Latency tracking and real-time alerting
- Audit trail of who did what, and when
- Message-level route tracing

— ARCHITECTURE

Deterministic core, AI alongside the path.

Quazar is written in C++ and runs as a deterministic, low-compute layer. The AI sits beside the message path — generating rules and driving certification — never inside it, so message handling stays predictable and repeatable under load.

ENGINE

C++ core with a multi-session FIX engine and no hard session limit by design. Message persistence and replay from store, file or memory.

DEPLOYMENT

Cloud-native by design. Run it on-premise in your own environment or cloud-hosted, maintained by Quod Financial either way.

INTERFACES

Every operation is exposed through the REST API, so routing and transformation changes apply without a restart — and agents can drive the platform via MCP.

DATA RESIDENCY

Messages are processed and stored inside your deployment. Sessions run over SSL/TLS and every change is audited with rollback.

— SERVICES

Managed, sorted.

Running hundreds to thousands of FIX connections is labour-intensive and, more often than not, an impediment to the business.

The cost of onboarding, certification and connectivity can be high enough that establishing a new client route becomes prohibitively expensive and slow. A route that should take days takes months.

We have streamlined and automated onboarding and certification using AI-driven auto-certification and testing. We use the cloud not only for compute, but to give you access to your own models and the wider cloud network. **What traditionally takes weeks of manual FIX certification compresses to hours.**

SPEC ANALYSIS AI reads the counterparty specification and identifies dialect, version and tag requirements.	RULE BUILD Start from a template or generate the mapping from a plain-language description.	AUTO-CERTIFICATION Automated testing validates the mapping against the specification before go-live.	PRODUCTION CUTOVER The route goes live under managed session monitoring and incident response.
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Onboarding	Counterparty onboarding and certification run as a managed service, from spec analysis to production cutover.
Operations	Session management, availability monitoring, incident response and counterparty connectivity, against defined service levels.
Maintenance	Upgrades, fixes and template updates handled for you, on-premise or cloud-hosted.

— DISTRIBUTION

Cost matters.

Connectivity should not cost hundreds of dollars per connection per month. So for the buy side, it doesn't cost anything at all.

BUY SIDE Free to 10 connections Download it, run it, plug in your own models or build your own MCP integrations. The full platform — routing, transformation, session management, monitoring and templates.	SELL SIDE Cost-effective at scale Managed in the cloud, with cloud-based routing across parts of your network. AI gives you deeper insight and greater control while cutting operational cost through automation. NO PLUG-IN COST · FIXED PRICE
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INCLUDED	BUY SIDE, SELF-HOSTED	SELL SIDE, MANAGED	NOTES
Routing & transformation	Included	Included	Full rule engine and template library on both models.
Session management	Included	Included	No hard session limit by design.
Monitoring & audit	Included	Included	Session health, latency tracking, full audit trail.
Cloud-based routing	—	Included	Routing across parts of your network, hosted and operated.
Managed operations	—	Included	Onboarding, certification, incident response to service levels.

Free buy-side access means firms on both sides of a flow can connect Quazar to Quazar directly, removing fixed-network fees entirely. Quazar is proprietary rather than open source, protecting twenty years of know-how — with simplicity as the strongest feature.

MORE INFORMATION

www.quazar.org

Full product detail, the template library, FAQ and the buy-side download — free to ten connections.

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