



Rai Cache™ : Market Data Platform

The challenges of managing and distributing market data have never been greater. To be competitive, your infrastructure must deliver data at ever increasing rates with minimum latency. Market data vendor consolidation and platform obsolescence creates expensive, and often unnecessary, rewrites of applications, while introduction of new technologies causes further integration challenges.

Rai Cache, the foundation of Rai Technology Market Data Platform™, provides a low cost migration path off the TIB while introducing new possibilities for managing, distributing, and integrating your market data.

Bridging the Past

The Rai Cache is completely wire compatible with the Reuters TIC and RTIC, allowing it to be used as a high performance, low latency alternative to application migration.

Rai Cache makes it possible to preserve investment in existing TIB applications with a supported and modern platform. Rai Cache ci-Server support also provides a migration path for ciServer-based applications.

Building the Future

Support for legacy TIB and RMDS applications is just the start. Rai Cache also provides the services of a fully modern market data platform with support for protocol and transport integration across vendors. The Rai Cache advanced multi-threaded architecture and 64-bit Linux capability provide unmatched throughput and extremely low and deterministic latency, even at the highest message rates.

This innovative architecture allows unparalleled options for meeting the often-conflicting needs of different consumer applications, from algorithmic trading to the desktop user.

Performance

Rai Cache offers unmatched performance and reliability:

- Rai Cache customers globally experienced 100% uptime in 2007
- A single Rai Cache instance is able to process over 450,000 SASS Qform update messages per second over TIBCO Rendezvous. Caches can be combined to scale to whatever message rate is needed.

Services

Rai Cache is deployed to provide services for market consumers:

- Last value caching with TIC/RTIC and rvcache functionality
- Transport and protocol bridging and transformation
- Conflation, providing only as much data downstream clients or a slower network can process
- Cascading to other downstream Caches, or remote locations using TCP
- Delayed data
- Combine
- Partition
- Filter

Services can be combined on the inbound or outbound side within a single cache instance, enabling high performance by compressing data pathways and reducing latency.

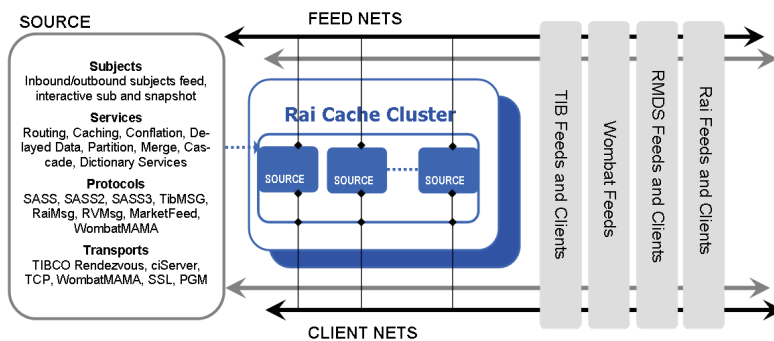
[more >>>](#)

TIB Remediation

Preserve your investment in existing infrastructure with a low-cost, low-risk upgrade. Rai Cache is a fully supported, drop-in replacement for the Reuters TIC/RTIC, ciServer, GSM and provides complete compatibility for existing TIB applications.

Cost Savings

Rai TIB compatibility is a economical, fully supported alternative to costly redevelopment. Existing applications not only don't need to be re-written, but gain from the performance made possible by a completely modern platform.



Administrative Control

The Rai Cache provides all the administrative features expected of a market data platform, and more:

- Introspection and control of Rai Cache state including FT status
- Subject, user and subscription lists
- Data value changes
- Activity monitoring of feeds, subscriptions, latency, and traffic including Unix *top*-like display of activity
- Integration with Rai Insight for monitoring

About Rai

Rai Technology was founded by former senior staff from Teknekron, TIBCO, TIBCO Finance, and Reuters. For the last five years we've been applying decades of hands-on experience to providing highly scalable, low-latency market data integration solutions for our financial services clients around the world.

Behind all of Rai Technology's product decisions is the goal of providing our customers with the fastest and most scalable integration solutions on the market, while helping them preserve their investment in existing infrastructure. Our satisfied customers worldwide have learned what true integration really means. For more information about what Rai Technology can do for you, contact us today at info@raitechnology.com

Feeds

Feed handlers can be loaded directly into the Rai Cache to compress data paths or may be run as separate processes. Current feed handlers include:

- RDF
- FIX FAST
- TIB feed handlers
- Wombat feed handlers
- RMDS feed handlers

Integration

Rai Cache offers protocol and transport bridging across architectures:

- RaiMsg
- RVMsg
- TibMsg
- MarketFeed
- SASS, SASS2, SASS3
- Qforms
- ciServer
- Reuters SSL
- TIBCO/Rendezvous
- XML
- PGM
- TCP
- 29West/LBM
- WombatMAMA