Volante Streamers

Low Latency by Design

Business Benefits

» Ultra-low Latency

» Application driven data streams

» Faster time to market
   » Pre-built message libraries and data dictionaries
   » Model based solution design

» Low Cost
   » Reuse existing infrastructure
   » No need to retrain staff
   » Easy to maintain, reusable models

» Downstream integration across heterogeneous platforms and applications

Volante Market Data Streamers are used today by major financial institutions and industry utilities around the world to build low-latency connectivity among market data feeds, applications and external partners.

Volante Streamers provide pre-trade and trade applications with ultra-fast access to market and trade data, while minimizing implementation costs and the impact to existing IT environments.

Volante Streamers are unique in their design and bring technology innovation where it is badly needed. The main problem with existing feed handlers for market data is that they are inflexible and cannot be easily integrated into applications that consume this data. They often require their own hardware and software infrastructure which add to, rather than reduce latency. Additionally, most vendor products cannot easily be extended to handle proprietary data feeds from external or internal sources.

Volante Streamers efficiently deliver data to target applications with minimal hops and latency overhead. Volante offers new data control capabilities hitherto considered unattainable, including:
1. User customizable feed handlers which provide only the desired information to applications, nothing extraneous
2. Ability to deliver data to low-latency applications in their required format, without the need for additional transformations
3. Ability to deliver data to internal legacy platforms
4. Maintenance and dissemination of level 2 market data
5. Support for any infrastructure including market data platforms, CEP engines and homegrown messaging middleware

Volante Streamers, in conjunction with other Volante modeling tools (Composer, Conductor, code generators, etc.), provide a powerful environment that enables users to model their market and trade data flows linking in-house applications. Volante Streamers are light-weight and can be easily integrated into any market data solution with interfaces to other components including data caches, applications, etc.

Volante Streamers have design time and run time elements. Volante design time elements uniquely allow users to define the very models which process incoming market and trade data. Gone are the days of forced adherence to feed handler APIs by downstream applications. After design, Volante runtime time elements are the operational processes referred to as feed handlers.
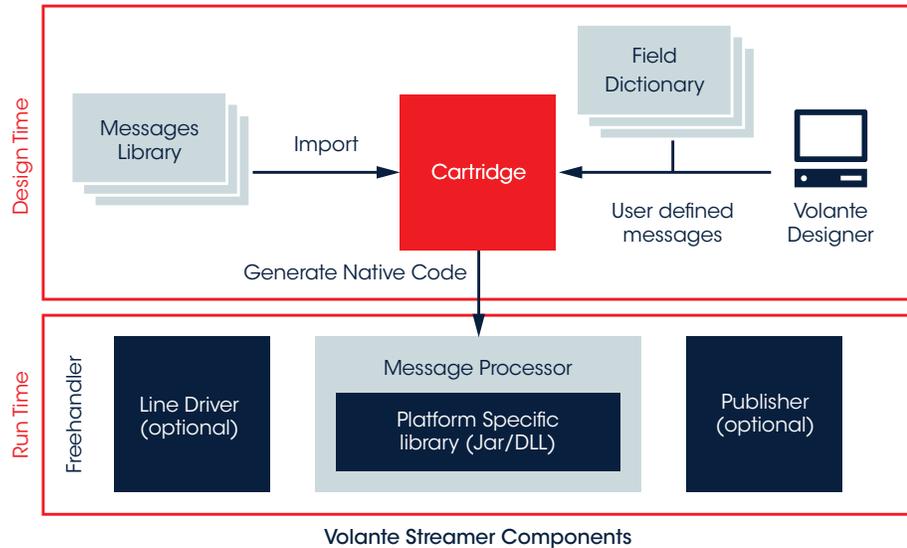
The primary design time component of a Streamer is a format plug-in which consists of a message library and a field dictionary for the specific market data format. Together with Volante Designer, format plug-ins are used to create user-designed feed handlers by encapsulating the target solution's specific rules to parse, normalize, transform, enrich, validate, serialize and route market data downstream to consuming applications without need for further processing.

Unique Features

» Model-driven approach enables rapid development

» Support for all vendor and industry standard formats:
  » Reuters, Bloomberg
  » OPRA, FAST, CME, Currenex
  » FIX, FCS/CMS

» Native code generation ensures high performance on any market data platform, CEP engines or homegrown systems

» Visually define message flows and exception processing

The Volante Streamer runtime, i.e. feed handler, includes these components:

1. Line driver – for session management of the data feed. Each line driver is specific to the particular market data feed's protocol.
2. Message Processor – performs those functions of the feed handler precisely modeled by the user. After the design phase, Message Processor code is generated for deployment using Volante Designer. A message aggregator routine may be used to extract Level 2 data that can be written directly to any data cache.
3. Publisher – sends the data to any destination: any ESB, market data platform or application.

Volante Streamer Components

Volante Streamers are deployed flexibly and with a very small footprint on almost any platform. Flexible deployment enables Volante Streamers to integrate well with any solution architecture leveraging existing, native interfaces. Volante Streamers reduce the number of hops market data must traverse before being consumed by applications – a vital pre-requisite for latency sensitive environments. Volante Streamers support the following platforms:

1. Market data platforms – e.g. RMDS, Tervela
2. CEP engines – e.g. Oracle CEP
3. Message oriented middleware – e.g. TIBCO, MQ, AMQP
4. Applications can also be extended to directly execute Volante feed handlers resulting in zero hops

Volante Streamers offer exceptional value – from rapid ROI on development projects to support for enterprise data initiatives. Projects are done faster. Because of Volante's model-driven metadata approach, your firm can easily capture and share its domain expertise, project by project, for competitive business advantage.

Volante is chosen by industry leading investment banks, custody firms, securities processing utilities, exchanges and vendors for their mission critical front, middle and back-office projects. Volante flexibility extends to every business environment, as well as every system environment.

Contact us to set up an online demonstration of Volante Designer

www.volantetech.com

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