DYNAMIC ADVANCED INTELLIGENT BROKER - VANTIQ Pronto is a "dynamic" advanced event broker (AEB) that combines high-productivity tools for ease-of-development and distributed event management with a uniquely dynamic mesh deployment. It supports the continuous awareness, intelligence and agility required for tomorrow's event-driven systems. Pronto enables constant monitoring of Enterprise/business operations by accepting events from anywhere (e.g. IoT, mobile devices, legacy systems). It analyzes, combines and derives events in real time, and sends events to subscribing applications thus enabling comprehensive situational awareness that leads to intelligent decisions and actions.

DYNAMIC CATALOG
Event Browser simplifies searching, finding and re-using events from a central catalog. Records definitions of event types. Secures access with Broker Manager Rights.
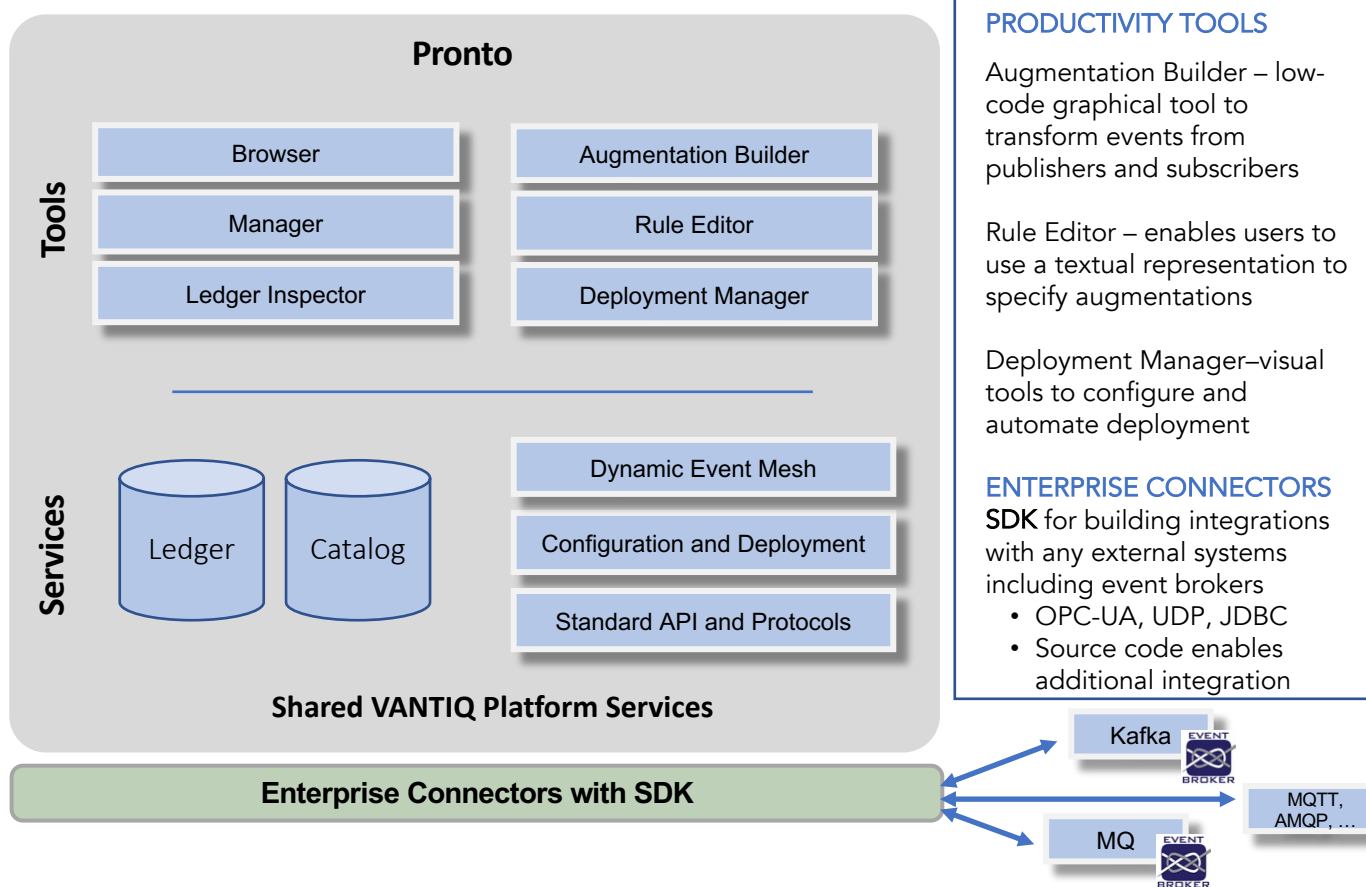
DYNAMIC MANAGER
Enables binding of events, registering subscribers and specifying access rights and rate limits. Populates event catalog and declares managed events.

DYNAMIC LEDGER
Records events with timestamps and provides an audit trail. Secures access control with read-only access to users. Ledger Inspector provides Query & Search capability.

Ledger can be spooled to external systems for integration with enterprise analytics infrastructure.

Pronto

Tools
- Browser
- Manager
- Ledger Inspector
- Augmentation Builder
- Rule Editor
- Deployment Manager

Services
- Ledger
- Catalog
- Dynamic Event Mesh
- Configuration and Deployment
- Standard API and Protocols

Shared VANTIQ Platform Services

Enterprise Connectors with SDK

- Kafka — EVENT BROKER
- MQ — EVENT BROKER
- MQTT, AMQP, …

PRODUCTIVITY TOOLS

Augmentation Builder – low-code graphical tool to transform events from publishers and subscribers

Rule Editor – enables users to use a textual representation to specify augmentations

Deployment Manager–visual tools to configure and automate deployment

ENTERPRISE CONNECTORS
SDK for building integrations with any external systems including event brokers
- OPC-UA, UDP, JDBC
- Source code enables additional integration

BROKER of BROKERS

Enables events to be delivered through external event brokers and messaging systems.

Enables Event discovery from third-party brokers via dynamic catalog.

Direct integration with:

- Kafka
- MQ
- Azure Event Grid
- MQTT, AMQP ….

CLOUD TO EDGE

Pronto is available as a fully-managed service on major clouds, in Private Clouds, and on the Edge.

DYNAMIC MESH DEPLOYMENT

Pronto is a distributed event broker built on a fully distributed platform.

Deployment is completely automated across event mesh, shielding developers from complexity.

Mesh agents reside next to publishers and subscribers.

Point to point architecture ensures no single point of failure, no bottlenecks, reduced latency.

Unique 'consolidators' act as store-and-forward containers when publishers and subscribers are on different networks or isolated by firewalls.

See diagram below.

SEAMLESS INTEGRATION

Pronto and Modelo automatically reference and share events and single runtime.

Security and Privacy:

- Fine grained access rights per event
- Ledger is read-only with access controls
- Privacy enables with filtering and anonymization

Standard API:

Pronto operations are available via standard HTTPS/REST, Websockets APIs
- Publish, Subscribe
- Define Bind, Query

DYNAMIC MESH DEPLOYMENT

- No single point of failure
- Bottlenecks removed
- Reduced latency