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webMethods
Business Events

REACT FASTER WITH LIVE BUSINESS INSIGHTS

What would you do if you knew an important customer shipment was stalled or a major order was just cancelled? Now you can stay on top of these changes and trigger the right response at the right time. You can easily identify and react to important events faster than ever.

webMethods Business Events is the complete Complex Event Processing (CEP) product that provides a holistic picture of what's happening in real-time across your business.

By leveraging CEP in combination with the powerful real-time dashboards, you can make smarter, faster decisions about events. And, thanks to the event-driven webMethods architecture, you can quickly adapt processes to changing conditions, exceptions or arising opportunities. This level of integration helps you improve business performance and deliver solutions—faster.

With webMethods Business Events, you're in control to:

- React faster to customers and partners— thanks to live insights on real-time dashboards
- Anticipate bottlenecks and opportunities— and initiate automatic actions
- Identify event patterns, trends and exceptions right away
- Correlate and analyze event data across different systems
- Continuously monitor Key Performance Indicators (KPIs) and Service Level Agreements (SLAs)

KEY BENEFITS

React faster—stay on top of millions of events and take action right away.

See a holistic view of what's happening right now across your enterprise.

Quickly adapt running processes to changing conditions, exceptions and opportunities.

Use easy-to-create interactive, real-time dashboards to make better and faster decisions.

Use existing skill sets to get event-driven faster. That's because webMethods Business Events leverages SQL to express business logic.

Gain an unprecedented level of visibility into events by using a combination of an event store and live event analysis.

Govern event definitions in a central repository for easy re-use and better overview.

YOUR COMPLETE CEP INFRASTRUCTURE

webMethods Business Events combines:

In-memory CEP engine—The engine continually monitors thousands of event streams and tens of thousands of events per second. Our innovative, patent-pending technology looks for complex correlations, patterns and sequences, derives meaningful events and takes immediate action when it finds them.

ARIS MashZone Event Edition—Absolutely no programming experience is required to quickly create interactive, analytical, real-time dashboards to make better decisions, faster.

Eclipse plug-in for SQL-based development of business logic—Use this well-established language to evaluate event streams. No need to learn a new programming language to get started.

webMethods Integration Server and webMethods Broker—This industry-leading integration technology captures and publishes events.

Extend webMethods Business Events by adding:

- **Event Type Governance**: Archive, categorize and govern event definitions in CentraSite

- **Event Store**: Use OLAP-style analytics to combine historical event data with live insights

- **webMethods BPMS**: Adapt or initiate processes automatically to react to important outbound events using webMethods Business Process Management Suite (BPMS)

KEY FEATURES

Continuous, high-throughput event processing
At the core is a proven and scalable CEP engine, optimized for high-throughput and low-latency event processing. The engine can continually monitor thousands of event streams and tens of thousands of events per second looking for complex correlations, patterns and sequences among them and then taking action when it finds them. The event engine's innovative approach to event stream processing, which isolates it from network latency issues, guarantees predictable, traceable, repeatable and correct results every time.

Live, interactive dashboards
As live events continually stream through the system, mission-critical data can be extracted in real-time to provide unprecedented business insight via the integrated live dashboard. Using industry-leading ARIS MashZone technology, live business events can be easily integrated with databases, spreadsheets, Web services and mapping technology to create interactive mashup dashboards. This combination of live data with historical data provides business visualization and insight that help you make better and faster decisions with confidence.

Built for the business person, our live dashboard requires absolutely no programming experience to quickly create interactive, analytical, real-time dashboards. Innovative drag-and-drop dashboard creation takes all of the complexity out of building graphical visualizations based on real-time data. This ensures your teams get exactly the information they need, when they need it.

Standard development language
Unlike custom coding or proprietary languages, webMethods Business Events leverages well-established industry Standard Query Language (SQL) to create the business logic that's used to evaluate event streams. This means you can leverage existing skills in your organization to ensure a high return on investment and shorten development time. You don't need to learn a new programming language to get started.

With SQL, you can formulate and modify business logic in an intuitive and concise way by expressing and altering query statements. Since it is a declarative query language, developers can specify the desired results, and the CEP engine will determine the most efficient way to get them what they want. This approach is less error prone and time consuming than custom coding or using script-based languages. Developers can use the same programming language for both live and historical analyses by combining our CEP engine with well-established database and data warehouses technology. So integration is a snap!

Seamless integration with your business
At its core, the entire webMethods suite is based upon an Event-Driven Architecture (EDA). Elements of the webMethods suite can both consume and produce events for use by other elements. Use this architecture to produce dependable, reactive and scalable integrations and applications that can span every part of your business.

webMethods Business Events can non-intrusively tap into these event streams to look for event correlations and sequences of interest, such as process conditions, bottlenecks, problems or opportunities, and then take action on them.

Since webMethods is an "integration" suite, you're not limited to only events flowing through webMethods. You can easily tap into other event buses, sources and applications to help give you global and holistic insight into what's happening across your organization.

Optional event store

While the webMethods Business Events event engine does not need a database to process in-flight events, there are many applications that could benefit from analyzing past events. In these instances, webMethods Business Events can tie into your existing data warehouse or database for long-term storage and analysis.
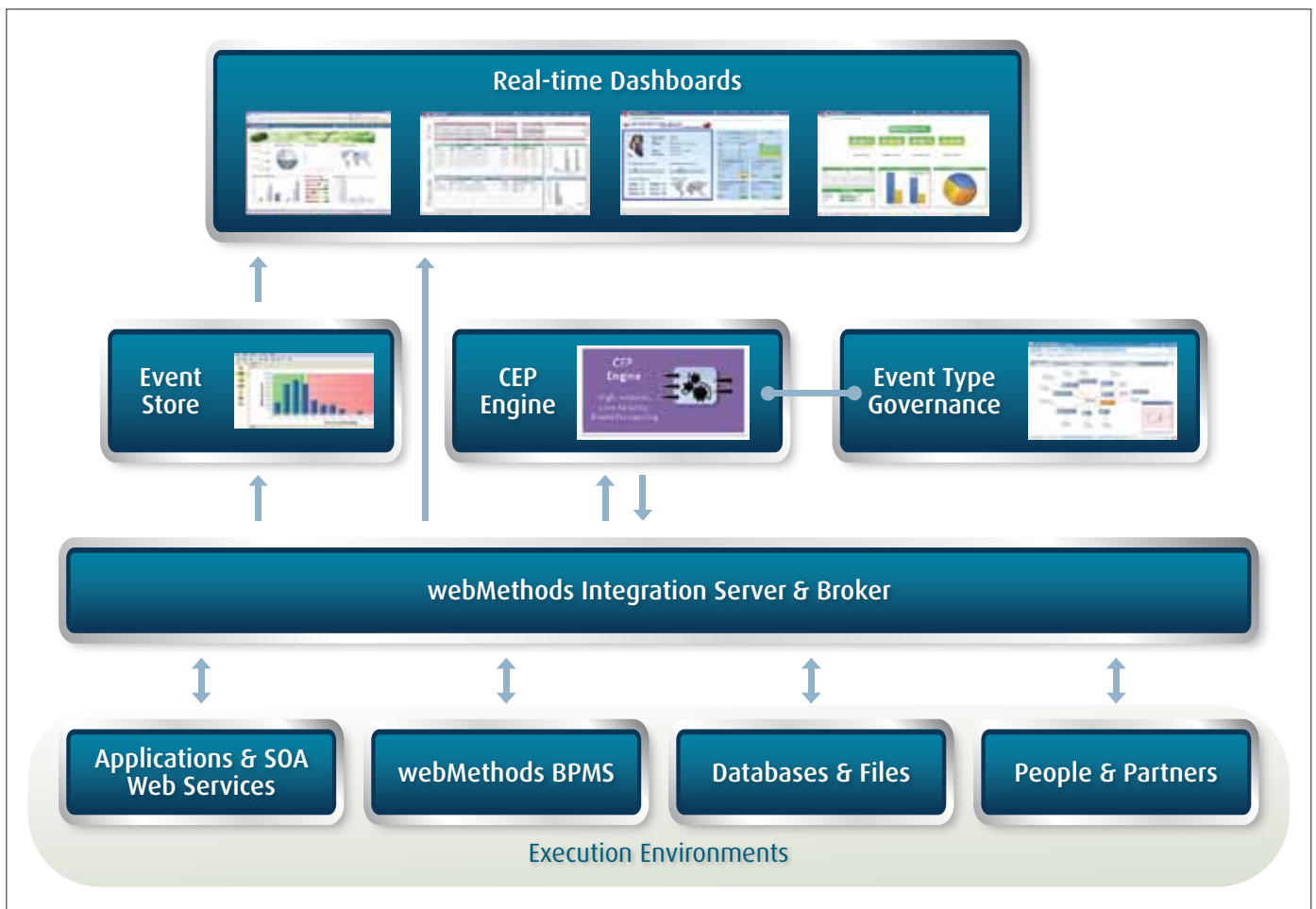
While the CEP engine performs live analyses, typically with short-term windows, you can use this option to "slice and dice" analytics of historical data. Count on fast and intuitive event evaluation, thanks to its in-memory architecture.

This combination of event store and event analysis offers a level of visibility that's unprecedented in the industry.

Optional event type governance

Events and event type definitions are critical to the smooth operation of any EDA. Both the producer and the consumers of the event must agree on exactly what an event contains and how it is structured, much like a contract. If a change takes place in the structure of an event, then every participant must know or else applications can fail. Thus, events and event types must be treated like any other corporate asset. They must be protected and governed.

To facilitate governance, we offer an optional component for webMethods Business Events—an integrated event type governance engine based on our industry-leading governance product, CentraSite. This enables developers to check in and check out event types for governance and usage. With CentraSite, it becomes easy to take control of your corporate event types so that re-use can be ensured and encouraged. This also can lead to an increased return on investment.

Recognize and react to important events faster than ever. With webMethods Business Events, you can use one infrastructure to stay on top of events and initiate automatic actions. The product is ideal for mission-critical real-time systems, rapid development and fast change management.

Take the next step to get there - faster.

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ABOUT SOFTWARE AG
Software AG is the global leader in Business Pro-
cess Excellence. Our 40 years of innovation include
the invention of the first high-performance transac-
tional database, Adabas; the first business process
analysis platform, ARIS; and the first B2B server
and SOA-based integration platform, webMethods.

We offer our customers end-to-end Business Pro-
cess Management (BPM) solutions delivering low
Total-Cost-of-Ownership and high ease of use. Our
industry-leading brands, ARIS, webMethods, Ada-
bas, Natural, CentraSite and IDS Scheer Consulting,
represent a unique portfolio encompassing: process
strategy, design, integration and control; SOA-based
integration and data management; process-driven
SAP implementation; and strategic process consult-
ing and services.

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