



## Complex Event Processing

Complex Event Processing (CEP) software is the engine driving next generation event-driven business applications. CEP software allows you to process and analyze high volume event streams to uncover opportunities and threats as they happen, not after the fact.

Applications driven by CEP technology allow you to take advantage of rapidly changing market conditions, get closer to your customers and slash problem resolution time, making your business more agile.

## Coral8 Key Features

- High performance server that can analyze thousands to millions of events per second with low latency
- Familiar SQL-based language for fast development of CEP applications
- Powerful language extensions such as Pattern Matching and Native XML processing
- Parallel and asynchronous database integration for high-performance event storage
- Configurable enterprise-class clustering for parallel and distributed processing
- Easy configuration and provisioning for rapid application deployment and change

## Self-service Complex Event Processing (CEP) for business-users

CEP applications provide real-time analysis of data-in-motion, enabling faster recognition of opportunities and risks to drive immediate actions. In this rapid execution environment, business users can leverage their CEP applications to visualize, share and act on real-time information.

Coral8 Portal is a dashboard and visualization server that allows users to dynamically query and work with real-time CEP output in a secure, manageable environment. It offers an easy-to-use, self-service environment that quickly and efficiently puts powerful, real-time information from CEP applications in the hands of business users.

### EMPOWER BUSINESS USERS

Coral8 Portal is a dynamic, graphical environment for business users to access and visualize real-time information generated by CEP applications. The Coral8 Portal provides a rapid, easy-to-use process that empowers business users in a controlled, manageable environment:

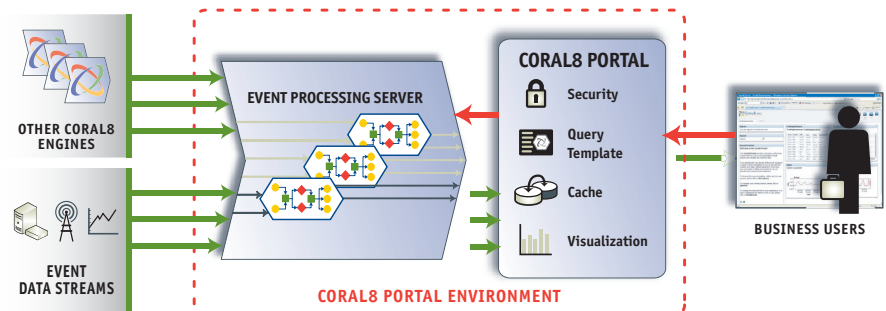
- **Create** – Developers quickly and easily create parameterized query templates that leverage and re-use existing CEP application output streams and queries.
- **Expose** – Administrators can rapidly import query templates to the Coral8 Portal environment where business users are setup to run dynamic queries without interfering with mission-critical applications.
- **Discover** –Coral8 Portal allows business users to execute real-time queries in an on-demand fashion to monitor and discover actionable situations.
- **Visualize** –Coral8 Portal provides intelligent charting services, allowing business users to visualize CEP application output for immediate action.

Coral8 Portal is an extension of Coral8 Engine, taking full advantage of the powerful, dynamic architecture for a scalable, secure and personalized query execution environment for business users.

### EASY VISUALIZATION

Coral8 Portal provides an easy-to-use environment for business users to access, personalize, execute and visualize dynamic queries on real-time data. The resulting composite dashboards offer dynamic display of real-time data assembled by CEP queries from multiple sources.

IT administrators define parameterized query templates for business users to run. Query execution wizards allow business users to quickly define personalized queries based on the Query templates. Intelligent charting services provide business users with multiple visualization options.



## SELF-SERVICE

Coral8 Portal's self-service environment offers business users:

- **Parameter-driven queries** – Business users create personalized queries through parameterized query templates.
- **On-demand execution** – Business users can run queries on-demand to personalize their Portal views and analyze relevant real-time information.
- **Visualization and alerts** – Coral8 Portal contains a large number of charting, visualization and alerting options, and pre-determines smart charting choices based on the query template.
- **Grouping and management** – Query templates and personalized queries can be arranged into hierarchical folders for easy management and access.
- **Shared dashboards** – Business users and administrators can create shared dashboards to foster collaboration.

## SCALABLE, SECURE & MANAGEABLE

Coral8 Portal provides the proper blend of business user ease-of-use and IT control via

- **Scalable engine** – Coral8 Portal leverages Coral8 Engine for scalable, dynamic execution of business user queries.
- **Controlled environment** – Coral8 Portal queries run in an execution workspace separate from mission-critical CEP application workspaces.
- **Easy administration** – The Portal administration UI makes it easy to manage users, control access, organize query templates and other administrative tasks.
- **Integrated security** – The Portal provides authentication and role-based access control for administrators to define user query execution and viewing rights.

## OPEN & EXTENSIBLE

Coral8 Portal is a Java-based portal application that comes integrated with an embedded

Liferay portal and Tomcat application server for out-of-the-box deployment.

Coral8 Portal is built to the open JSR-168 specification for Java-based web application portlets. The look and feel of the Coral8 Portal is customizable by customers and partners.

## EXTEND CORAL8 TO NEW USERS

Coral8 Portal is seamlessly integrated with the Coral8 architecture, allowing you to extend existing or new Coral8 applications to business users. Business user queries dynamically run inside Coral8 Engine for scalable, high throughput runtime execution.

Queries can utilize local, direct event streams, or seamlessly subscribe to derived output streams from foundation queries in other Coral8 Engines on the network. This enables the easy re-use of existing query modules and CEP application components.

## Coral8 Portal Functionality \*

Business Users	Developers & Administrators	Visualization/Alerts
Define parameter-driven personalized queries based on query templates	Author and import parameterized query templates	Visualization Options Value vs. time line charts (std./3D) Value vs. time bar charts (std./3D) Clustered bar charts Pie charts Custom charts
Define visualization and charting options for personalized queries	Organize and manage query templates and options	
Define alerting and action options for personalized queries	Define and manage users, groups and roles	
Use, customize and share personalized dashboards	Control access and execution rights for queries and templates	Alerting/Action Options Publish to Email Publish to output stream
Add/delete personalized queries on-demand	Create and assign pre-built dashboards with pre-loaded queries	

\* Please check the Coral8 website for the latest list of Coral8 Portal functionality

## About Coral8

Based in Mountain View, Calif., Coral8, Inc. is a leading provider of software for Complex Event Processing (CEP). Bringing together high-performance, an innovative SQL-based programming language and enterprise-class features, the Coral8 solution is the fastest, lowest cost way to build and deploy powerful new CEP applications. For more information, or to join the many developers who have freely downloaded the Coral8 engine, please visit us at [www.coral8.com](http://www.coral8.com).

## Coral8, Inc.

82 Pioneer Way, Suite 106  
Mountain View, CA 94041  
Tel: 1.650.210.3810  
Fax: 1.650.210.3811  
Email: [info@coral8.com](mailto:info@coral8.com)  
Web: [www.coral8.com](http://www.coral8.com)

