Object Design Introduces Real-Time Event Engine For The Telecommunications Industry

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Captures 11,000 Network Events Per Second to Make Them Available
for Real-Time Operational Support Systems

Object Design, a division of eXcelon™ Corporation (NASDAQ:EXLN), today announced the Real-Time Event Engine (RTEE) for Telecommunications, a new software application that simultaneously captures, organises and queries real-time network event streams. It addresses a challenge for telecommunications companies that operate in highly dynamic and distributed environments by providing secure and scalable access to network data in real-time.

The RTEE for Telecommunications is a high-performance application for the real-time capture, organisation and simultaneous query of network event data. It enables existing Operational Support Systems (OSSs) to manage network data in real-time, scale seamlessly with the growth of today's networks and better plan for the future.

The RTEE combines extreme performance with a flexible Cache-Forward™ architecture to support real-time analysis on streaming network event data in distributed environments without impacting capture speed. It enables the real-time capture and analysis of alarm and network events to facilitate functions such as service problem management, service quality management, rating and discounting, and network maintenance and restoration within the OSS arena.

The RTEE leverages Object Design's strengths in application-specific data management by delivering outstanding performance for time-critical applications while minimising hardware investments. Designed to handle both the high-volume and scalability demanded by the telecommunications industry, the RTEE is capable of securely capturing over 11,000 network events/second on a single processor mid-range workstation, while simultaneously querying real-time events to make them available to operational support systems.

"Capturing, analysing and responding to network events is critical to the operational support of any network," said Brian Naughton, Worldwide Director of Product Management at Object Design. "The RTEE gives telecommunications companies a powerful analysis engine with the flexibility and scalability that they need as the industry introduces new technologies and services. With the RTEE they can not only manage today's events more efficiently, they can better plan future operational support, customer care and quality of service."

Due to its distributed architecture, the RTEE can incrementally scale to handle additional network or service requirements dynamically - allowing operators to meet the operational demands of their networks without impacting their existing support systems. The RTEE captures network data and stores it at the edge of the network close to where it is generated. A distributed cache provides each querying application a virtual central interface to all of the distributed network data. This eliminates frequent access of the network databases and the need to bring the information back into a central location

exponentially increasing speed and giving each querying application the ability to analyse relevant data in the most efficient manner.

Through the RTEE's persistent data store, users can replay network events from a specific time period to perform trend analysis and historical reporting and monitoring in real-time. Historical analysis can also be performed allowing support systems to analyse various resource scenarios and quickly respond to the effect of network events. This allows operators to utilise their existing infrastructure to its best potential.

The RTEE has three main components that address the primary requirements of a comprehensive operational data collection and analysis system. The components are:
Collector: Captures operational network data from external sources in real-time and inserts the data into a persistent store.
Reorganiser: Organises and indexes the data for efficient use, and re-orders out-of-sequence data.
Query Server: Allows users to access and perform analysis on the event data in real-time and in parallel with the data stream capture process.

Availability and Integration

The RTEE is available immediately for Microsoft NT/2000 and Sun Solaris platforms. It integrates with leading middleware technology Application Program Interfaces (APIs) including TIBCO, Common Object Request Broker Architecture (CORBA) and Distributed Component Object Model (DCOM).

About Object Design

Object Design, a division of eXcelon Corporation (NASDAQ:EXLN), is the leading provider of native C++ and Java data management solutions. The company develops and markets the ObjectStore® database management system and related products including Javlin™ and PSE Pro. The data management products are used by over 4,000 customers in the telecommunications, financial services and e-business markets, and by Independent Software Vendors (ISVs). The company backs its products with comprehensive training, services and support. Headquartered in Burlington, Mass., Object Design sells and supports its products through branch offices across the U.S., international subsidiaries in the United Kingdom, Germany, The Netherlands, Japan and Australia, and a worldwide network of distributors. For additional information visit www.objectdesign.com.

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