Security: Real-time Security Monitoring System for the Cloud and Beyond

Value: Prevent potential terrorist attacks and other crimes before they happen.

PROBLEM
Criminals, terrorists and hackers are using new and increasingly sophisticated methods of communication. For the security forces tasked with identifying and preventing potential threats, monitoring telephone calls is no longer enough. Online news feeds and social networks such as Facebook and Twitter have emerged as a primary source of intelligence. With more than 140 million active users worldwide and 340 million tweets daily, Twitter alone generates tens of terabytes of data every day. The challenge is analyzing this vast amount of data to quickly spot unusual activities and suspicious patterns.

INNOVATION:
Catching criminals and their networks in real time.

CHALLENGE:
Identify and prevent potential threats by monitoring public information feeds from public news sources and social networks locally and globally.

SOLUTION:
InfiniteGraph enables real-time analysis of events and developing situations across distributed networks.

SOLUTION
Objectivity’s InfiniteGraph technology can be used to monitor real-time, streaming social media feeds (Twitter, blogs, message boards), enabling Law Enforcement Agencies and Security Organizations with a real time, “as it is happening” analysis of events and developing situations. Using InfiniteGraph and complex mathematical algorithms, agencies are able to identify patterns and relationships in seemingly unrelated data, detect trends and analyze sentiment of social communications.
About Objectivity, Inc.

Since 1988 Objectivity, Inc. has been the Enterprise NoSQL leader, helping customers harness the power of Big Data.

Our leading edge technologies: InfiniteGraph, The Distributed Graph Database™ and Objectivity/DB, a distributed and scalable object management database, enable organizations to discover hidden relationships for improved Big Data analytics and develop applications with significant time-to-market advantages and technical cost savings, achieving greater return on data related investments.

Objectivity, Inc. is committed to our customers' success, with representatives worldwide. Our clients include: AWD Financial, CUNA Mutual, Draeger Medical, Ericsson, McKesson, IPL, Siemens and the US Department of Defense.


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VALUE PROPOSITION
The ability to detect, vet and geo-locate breaking events and emerging threats in real time, using publicly available online news feeds and social media streams, is a critical step in quickly uncovering potentially life-saving information. Efficient monitoring and analysis of these complex data sources enables better management of on-going threats, as well as the intelligence needed to predict and prevent potential terrorist attacks and other crimes before they even happen.

Real-time monitoring of distributed public networks for improved security prevention locally and globally.

ADVANTAGES
InfiniteGraph helps transform unwieldy data into “actionable intelligence” that is presented in intuitive and easily consumable formats to give the world’s leading security organizations accurate and timely information on unfolding events. The robust and proven distributed graph database overcomes the challenges of technologies based on traditional Relational Database Management Systems, which have proven to be unsuitable for identifying and understanding connections in complex data – especially when time is of the essence. The ability to quickly filter and visualize the massive amounts of data generated by social networks in order to discover relationships between people, events and locations in real time, is a major advancement for organizations tasked with the security and protection of people worldwide.