

REAL-TIME ANALYTICS FOR BIG DATA

Examining the Twitter Analytics Use Case

DO YOU HAVE A BIG DATA SYSTEM WITH STREAMING DATA?

DO YOU NEED TO PERFORM REAL-TIME ANALYTICS ON THE STREAMING DATA?

DID YOU REALIZE THAT HADOOP ET AL CANNOT PROVIDE THE REAL-TIME PORTION OF THE ANALYTICS?

WONDERED HOW *THE BIG GUYS*, SUCH AS GOOGLE, TWITTER AND FACEBOOK DO IT?



IF YOU ANSWERED YES TO ANY OF THESE QUESTIONS...THEN THIS IS THE WORKSHOP FOR YOU!

Hadoop's batch-oriented processing is sufficient for many use cases, especially where the frequency of data reporting doesn't need to be up-to-the-minute. However, batch processing isn't always adequate, particularly when serving online needs such as mobile and web clients, or markets with real-time changing conditions such as finance and advertising.

In the same way that Hadoop was born out of large-scale web applications, a new class of scalable frameworks and platforms for handling streaming or real time analysis and processing is born to handle the needs of large-scale location-aware mobile, social and sensor use.

Facebook, Twitter and Google have been pioneers in that arena and recently launched new analytics services designed to meet the real time needs.

In this workshop we will review the common patterns and architecture that drive these platforms and learn how to build a Twitter-like analytics system in a simple way using frameworks such as Spring Social, Active In-Memroy Data Grid for Big Data event processing, and NoSQL database such as Cassandra or Hbase for handling the managing the historical data.

We will examine a Tweeter analytics reference application, down to design and code level, and participants will also be able to download the application for trying out those patterns on their own environment.

WORKSHOP DETAILS

AUDIENCE

System Engineers
Enterprise Architects
CTOs

KNOWLEDGE REQUIREMENTS

Enterprise System architecture background
Java knowledge
Eclipse IDE knowledge is a plus

LENGTH

3-4 Hours

BONUS

Plenty of hands-on sessions and demos

ABOUT GIGASPACE

GigaSpaces Technologies is the pioneer of a new generation of application virtualization platforms and a leading provider of end-to-end scaling solutions for distributed, mission-critical application environments, and cloud enabling technologies. GigaSpaces is the only platform on the market that offers truly silo-free architecture, along with operational agility and openness, delivering enhanced efficiency, extreme performance, and always-on availability. Our solutions are designed from the ground up to run on any cloud environment, and offer a pain-free, evolutionary path to meet tomorrow's IT challenges.

Hundreds of organizations worldwide are leveraging GigaSpaces' technology to enhance IT efficiency and performance, including Global Fortune 500 companies, from top financial service enterprises, e-commerce companies, online gaming providers, and telecom carriers. For more information, please visit <http://www.gigaspace.com>, our blog at <http://blog.gigaspace.com>.