Search Engine: Apache Solr's feature – Streaming Expressions

Nazerke Seidan

Software Engineer, Salesforce

nseidan[at]salesforce.com

Description and Rationale

This workshop proposes to give an insight into Apache Solr which is the blazing-fast, open- source enterprise search platform. In particular, the talk focuses on Solr's feature called Streaming Expressions. Streaming Expressions provide a simple yet powerful stream processing language that performs many different parallel computing tasks. Throughout the workshop Streaming Expressions business use cases will be discussed and the real code demonstration will be provided.

Intended Goals and Outcomes

Audience will:
- understand how search engine (Apache Solr) works;
- obtain knowledge about the functionality of Streaming Expressions;
- get to know Streaming Expressions use cases;
- get hands-on experience in Apache Solr;

Intended Audience

The workshop is primarily intended for those who are interested in Search Engine but not limited. All students with a strong distributed systems background are very welcome. Also, people who are in their mid-career can join the workshop.

Number of attendees: Not limit.

Format and Outline

Time	Activity	Outcome
20 min	Introduction to myself and to Apache Solr, Solr Cloud	Understanding how search engine (Apache Solr) works
20 min	Streaming Expressions feature and business use cases	Getting knowledge about Streaming Expressions and their use cases
30 min	Installing Solr and running it indexing some data and querying them using Streaming Expressions	Hands-on experience
10 min	Questions and answers	

Requirements and Resources

Attendees are required to bring a laptop.

Organizers' Bios and Contacts

Name: Nazerke Seidan

Affiliation: Salesforce

Expertise: Search Cloud

Contact (Email, Skype, Mobile):
Emails: nseidan[at]salesforce.com, seinaz1997[at]gmail.com

Brief Bio: Nazerke is a software engineer at Salesforce. She has a bachelor's degree in Computer Science from ELTE, Hungary. Prior to Salesforce, she has worked and interned at CERN, ETH Zurich in Switzerland, at HENNGE in Japan, and at Cloudera in Hungary. She also has experience in Big Data processing and storage.

LinkedIn: https://www.linkedin.com/in/nazerkes/