

TECHNOLOGY TRANSFER PRESENTS

JESSE ANDERSON

MODERN APPLICATION ARCHITECTURES

ONLINE LIVE STREAMING

MAY 26-27, 2022



info@technologytransfer.it
www.technologytransfer.it

ABOUT THIS SEMINAR

Takes a participant from no knowledge of the Cloud, Apache Hadoop, or NoSQL to being able to architect a solution using the Cloud, Hadoop and NoSQL. It shows how to use OpenStack and other technologies to improve Web application scalability. There are several in-depth case studies of how to architect and create Modern Application Architectures.

The class gives overviews of Hadoop and certain ecosystem projects. It finishes with Architecture overviews of Apache HBase and Apache Cassandra.

WHAT YOU WILL LEARN

- An understanding of the Cloud works, scales and saves you money
- The ways modern applications can scale to millions of simultaneous users
- An understanding of how HDFS works and how to interact with it
- An understanding of how MapReduce works and how each phase works
- Learn the concepts behind HBase and when to use it
- Learn the concepts behind Cassandra and when to use it

WHO SHOULD ATTEND

- Engineers
- Architects
- DBAs
- Managers
- CxOs

OUTLINE

- **Modern Application Architectures**

- **Introduction to the Cloud**

- o Application Interfaces

- **Amazon's Modern Application Architecture**

- o Modern Application Architecture Rules

- **OpenStack Introduction**

- o OpenStack Components

- **Intro to Modern Application Architectures - Beyond IaaS**

- o Scaling and Dealing with Failures
- o Image Service Use Case

- **Modern Application Scaling**

- o Caches
- o Proxies
- o Indexing
- o Load Balancers
- o Queues
- o Scaling With Flume
- o Automation And Management

- **NoSQL and Big Data: Introduction to the Ecosystem**

- o Working with Data
- o Big Data Research Papers
- o Hadoop
- o Hadoop Architecture
- o HDFS Architecture
- o HDFS Operations
- o MapReduce Overview
- o YARN Architecture
- o Hadoop Operations

- **Hive Overview**

- **Introduction to Pig**

- **HBase Overview**

- o HBase Use Cases
- o HBase Architecture

- **Cassandra Overview**

- o Cassandra = C*
- o Use Case
- o Cassandra Architecture

- **Cassandra and HBase**

- **Final NoSQL Thoughts**

- **Technologies Covered**

- Apache Hadoop
- Apache Hive
- Apache Pig
- Apache HBase
- Apache Cassandra

INFORMATION

<p>PARTICIPATION FEE</p> <p>€ 1100</p> <p>The fee includes all seminar documentation.</p> <p>SEMINAR TIMETABLE</p> <p>9.30 am - 1.00 pm 2.00 pm - 5.00 pm</p>	<p>HOW TO REGISTER</p> <p>You must send the registration form with the receipt of the payment to: info@technologytransfer.it</p> <p>TECHNOLOGY TRANSFER S.r.l. Piazza Cavour, 3 - 00193 Rome (Italy)</p> <p>PAYMENT</p> <p>Wire transfer to: Technology Transfer S.r.l. Banca: Credit Agricole Agenzia 1 di Roma IBAN Code: IT 03 W 06230 03202 000057031348 BIC/SWIFT: CRPPIT2P546</p>	<p>GENERAL CONDITIONS</p> <p>DISCOUNT</p> <p>The participants who will register 30 days before the seminar are entitled to a 5% discount.</p> <p>If a company registers 5 participants to the same seminar, it will pay only for 4.</p> <p>Those who benefit of this discount are not entitled to other discounts for the same seminar.</p> <p>CANCELLATION POLICY</p> <p>A full refund is given for any cancellation received more than 15 days before the seminar starts. Cancellations less than 15 days prior the event are liable for 50% of the fee. Cancellations less than one week prior to the event date will be liable for the full fee.</p> <p>CANCELLATION LIABILITY</p> <p>In the case of cancellation of an event for any reason, Technology Transfer's liability is limited to the return of the registration fee only.</p>
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May 26-27, 2022

Registration fee: € 1100

If registered participants are unable to attend, or in case of cancellation of the seminar, the general conditions mentioned before are applicable.

first name

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Stamp and signature

Send your registration form with the receipt of the payment to:
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SPEAKER

Jesse Anderson is a data engineer, creative engineer, and managing director of the Big Data Institute. Mr. Anderson trains employees on Big Data-including cutting-edge technology like Apache Kafka, Apache Hadoop, and Apache Spark. He has taught thousands of students at companies ranging from startups to Fortune 100 companies the skills to become data engineers. He is widely regarded as an expert in the field and recognized for his novel teaching practices. Mr. Anderson is published by O'Reilly and Pragmatic Programmers and has been covered in such prestigious media outlets as the Wall Street Journal, CNN, BBC, NPR, Engadget, and Wired.