

BIG DATA ANALYTICS



Big Data introduction

- Big data: definition and taxonomy
- Big data value for the enterprise
- Setting up the demo environment
- First steps with the Hadoop “ecosystem”

The Hadoop ecosystem

- Introduction to Hadoop
- Hadoop components:
MapReduce/Pig/Hive/HBase
- Loading data into Hadoop
- Handling files in Hadoop
- Getting data from Hadoop

Querying big data with Hive

- Introduction to the SQL Language
- From SQL to HiveQL

Querying big data with Hive

- Introduction to HIVE e
HIVEQL
- Using Hive to query Hadoop
files

Big data & Machine learning

- Quick intro to Machine learning
- Big Data & Machine Learning
- Machine learning tools
- Spark & SparkML
- H2O
- Azure ML

Big data & Machine learning

- Big Data & Machine Learning (continued)
- Next steps in the big data world