

Processing Big Data with MATLAB

OEM: MathWorks • Duration: 1 Day (8 hrs) • Code: MW-PROCESSING-BIG-DATA-WITH-MATLAB

COURSE MODULES & TOPICS

Day 1 of 1

Prototyping Big Data Algorithms

- Importing data using datastores
- Creating tall arrays
- Running algorithms on tall arrays
- Optimizing code for tall arrays
- Reading data from cloud environments

Handling Custom Data and Algorithms

- Importing special data formats such as Apache Parquet
- Importing custom formatted data using file datastores and custom datastores
- Partially importing single files
- Applying transformations, reductions, and moving window operations to tall arrays
- Transforming datastores

Working with Clusters and Clouds

- Local and remote clusters
- Cluster discovery and connection
- Setup of a cluster on a cloud environment
- File access considerations