Making MATLAB Data Analytics Accessible
Across The Enterprise

July 2<sup>nd</sup> 2020 | Online

MathWorks
AUTOMOTIUE
CONFERENCE 2020





### Key takeaways

- Data for decision making should be available throughout the Enterprise
  - Not only engineers need data decision makers of all sorts need data
- Large volumes of data require new paradigms
  - Scaling out is necessary

Compute

People



- The diversity of systems require interoperability of tools
  - MathWorks integrates with many different frameworks



### Automotive use case

Access and Explore Data

Preprocess Data

**Analyze Data** 

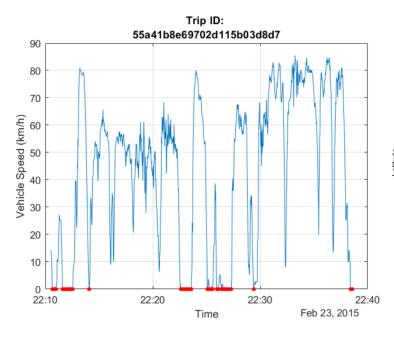
Develop Algorithms & Models

Operationalize Models



#### **Automotive**

- Vehicles
- Engines
- Controllers



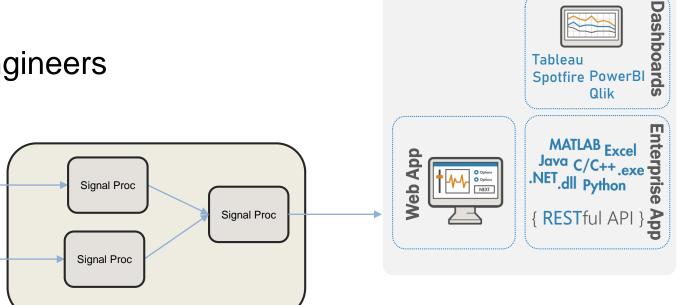




### Motivating factors for enterprise accessibility of Data Analytics

Not all users of data are engineers

Reuse among engineers





### Processing data



Access and Explore Data

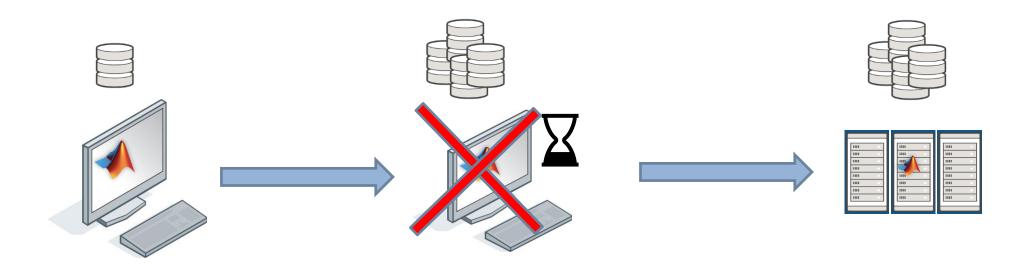
Preprocess Data

Analyze Data

Develop Algorithms & Models

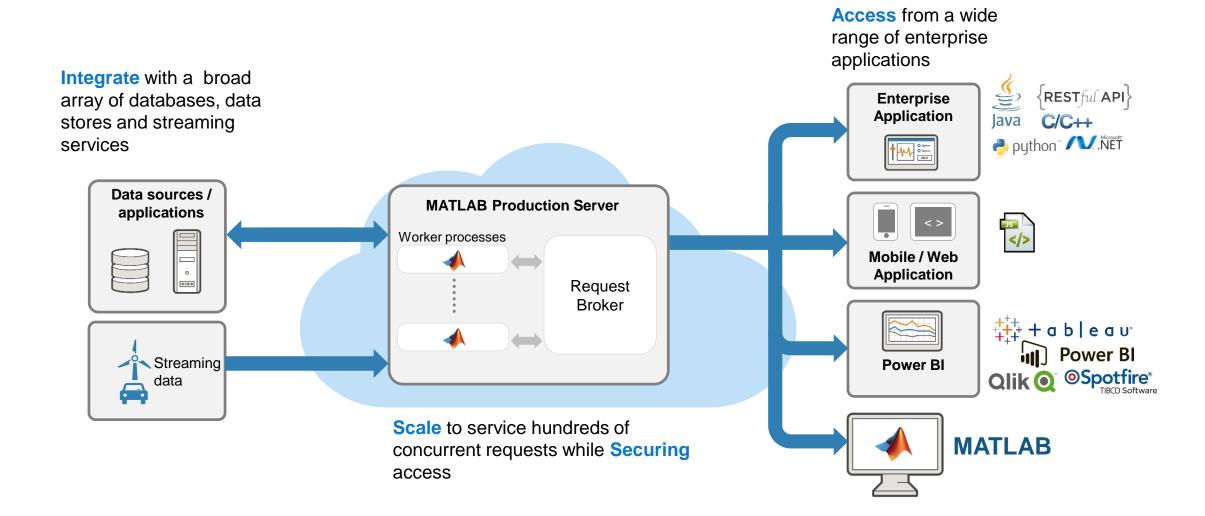
Operationalize Models

- Exploratory work on a desktop
- Big Data cannot be processed on a single machine



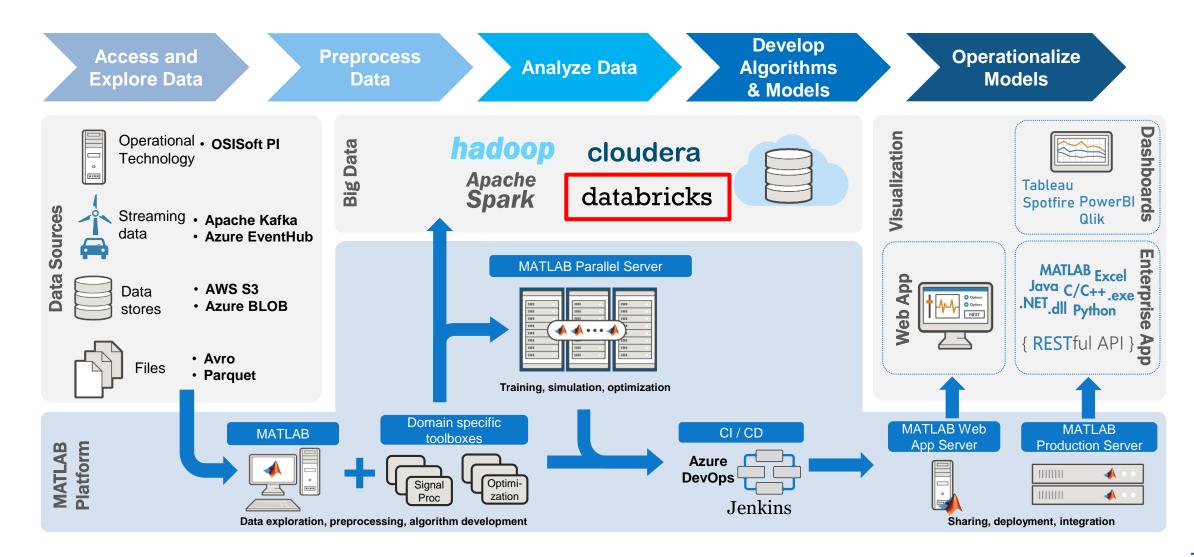


## Processing data \*\*\*\*\*\*

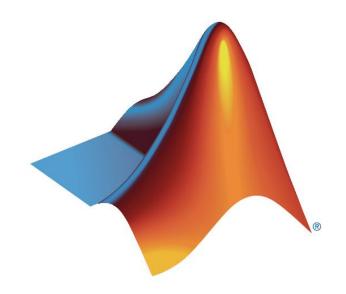


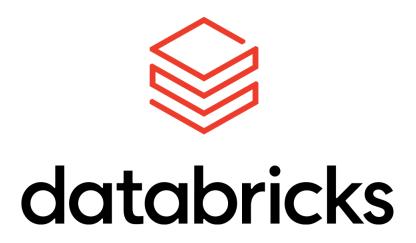


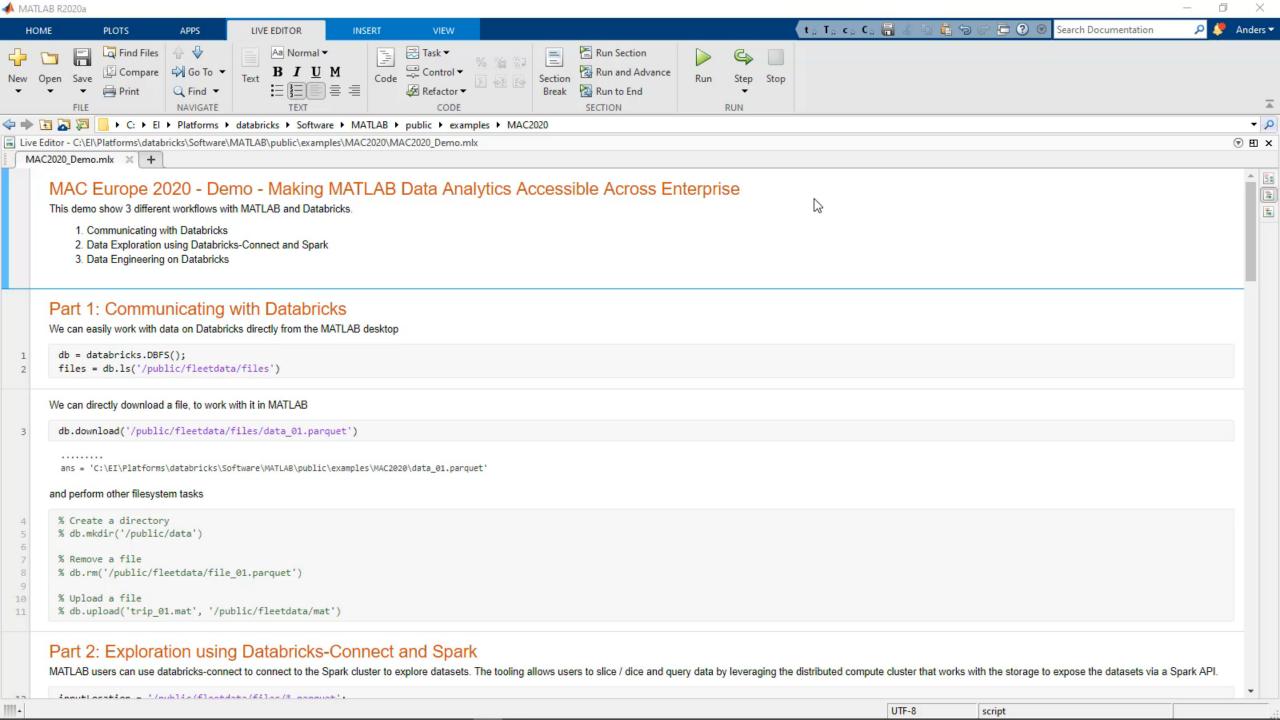
# MathWorks provides a comprehensive end-to-end solution Data Analytics in the Enterprise



## Live Demonstration







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# Q&A

### Please contact us with questions



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