

Sela.



AzBDA

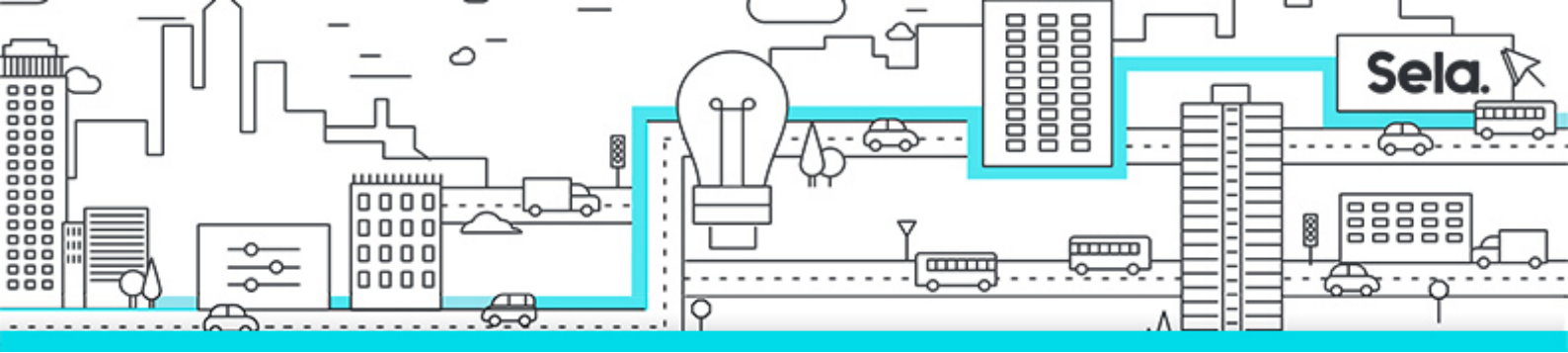
Microsoft Azure and Big Data Analytics



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Microsoft Azure and Big Data Analytics

AzBDA - Version: 1

5 days course

Description:

Microsoft Azure is a cloud platform that includes everything you need for handling massive amounts of data. In this course we will learn how to work with big data from the ingestion phase to the phase where the data is represented in dashboards. We will deeply explore all Microsoft Azure tools which help dealing with large amounts of data.

Intended Audience:

Developers, data scientist, DBA, architects, managers

Prerequisites:

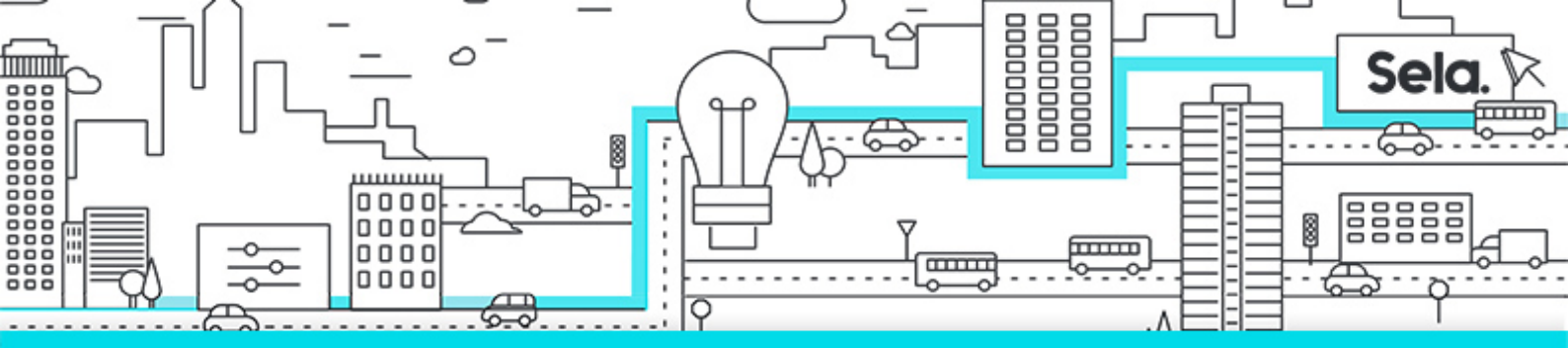
- Basic programming skills

Objectives:

- Learn how to use Microsoft big data tools

Topics:

- **Azure And Big Data**
 - Big Data Fundamentals
 - Microsoft Azure Big Data Services
 - Use Cases
- **Working with azure storage**
 - Azure blob storage
 - Azure Table storage



- Azure Queue storage
- Azure file storage

- **Azure cognitive services**

- **Ingesting Data in Microsoft Azure**

- Collecting Data
- Working with Queues
- Managing workflows

- **Processing Data**

- Batch Processing
- Stream Processing
- Working with Data Lake Analytics

- **NoSQL Databases**

- Key-value Store
- Columnar Database
- Document Database
- The CAP Theorem

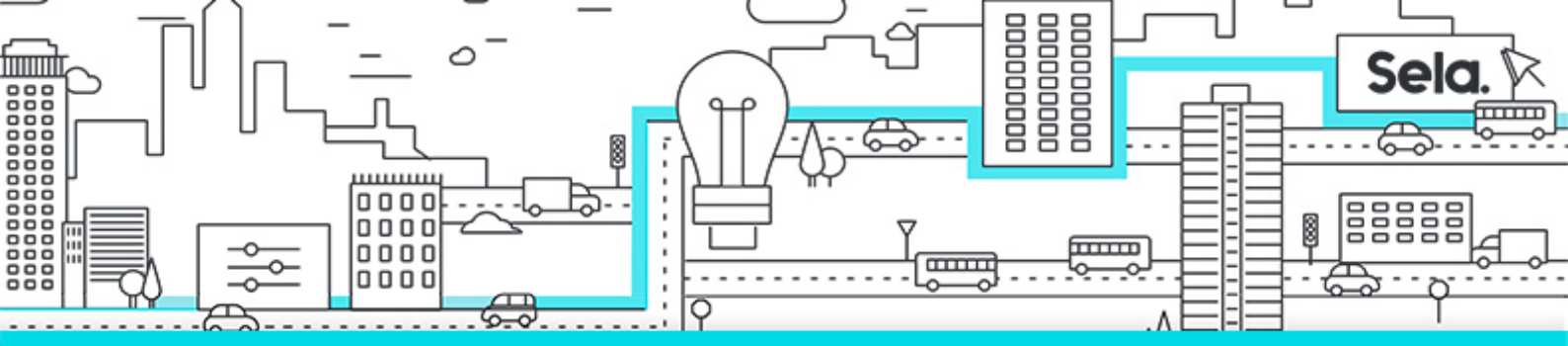
- **Getting Value from Your Data**

- Machine learning and BI
- Azure ML studio
- Visualize Your Data with Power BI

- **Extend your capabilities with azure VM**

- Working with azure VM
- Working with azure SQL

- **Putting it All Together**



- Big Data Orchestration
- Cortana intelligence suite
- Building Architecture on Microsoft Azure for The Use Cases