

Performing ETL (Extract, Transform, Load) Operations with Azure Databricks



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Overview



Basics of ETL

Performing ETL with Azure Databricks



Exercise Files

Slides

Code

Links to Resources

The screenshot shows the course page for "PowerShell: Getting Started" by Michael Bender. The page has a dark theme. At the top, there's a search bar and the author's name "Michael Bender" with his email "mbender@bentech.net". The main header area includes the course title "PowerShell: Getting Started" and a brief description: "This is an introductory course on PowerShell and how to use it for basic IT Operations support." Below this are buttons for "Resume Course", "Bookmark", "Add to Channel", and "Download Course". A "Course Breakdown" section lists topics like "Introduction to PowerShell", "PowerShell Basics", "Gathering information with PowerShell", "Remoting with PowerShell", and "Writing Scripts with PowerShell". The "Exercise files" tab is highlighted with a yellow box. Below the tabs, a paragraph explains that the exercise files are intended to provide assets for a video-based hands-on experience. A "Download exercise files" button is also highlighted with a yellow box. On the right side, there's a "Course author" section with a profile picture and bio, and a "Course info" section showing the level as "Beginner", a rating of 5 stars (602 reviews), a duration of 3h 5m, and an update date of 22 May 2019. Social media sharing icons for Facebook, Twitter, and LinkedIn are at the bottom right.

What do you want to learn?

Michael Bender
mbender@bentech.net

PowerShell: Getting Started

by Michael Bender

This is an introductory course on PowerShell and how to use it for basic IT Operations support.

[Resume Course](#) [Bookmark](#) [Add to Channel](#) [Download Course](#)

Course Breakdown

- Introduction to PowerShell
- PowerShell Basics
- Gathering information with PowerShell
- Remoting with PowerShell
- Writing Scripts with PowerShell
- Next Steps

Who Is This Course For?

Table of contents Description **Exercise files** Discussion Learning Check Recommended

These exercise files are intended to provide you with the assets you need to create a video-based hands-on experience. With the exercise files, you can follow along with the author and re-create the same solution on your computer. We find this to be even more effective than written lab exercises.

[Download exercise files](#)

Course author

Michael Bender

Michael is a six-time Microsoft Most Valuable Professional, author, technical trainer, and community leader. Having been in the IT industry since the 90's, his experiences covers the gamut of...

Course info

Level **Beginner**

Rating **★★★★★ (602)**

My rating **★★★★★**

Duration **3h 5m**

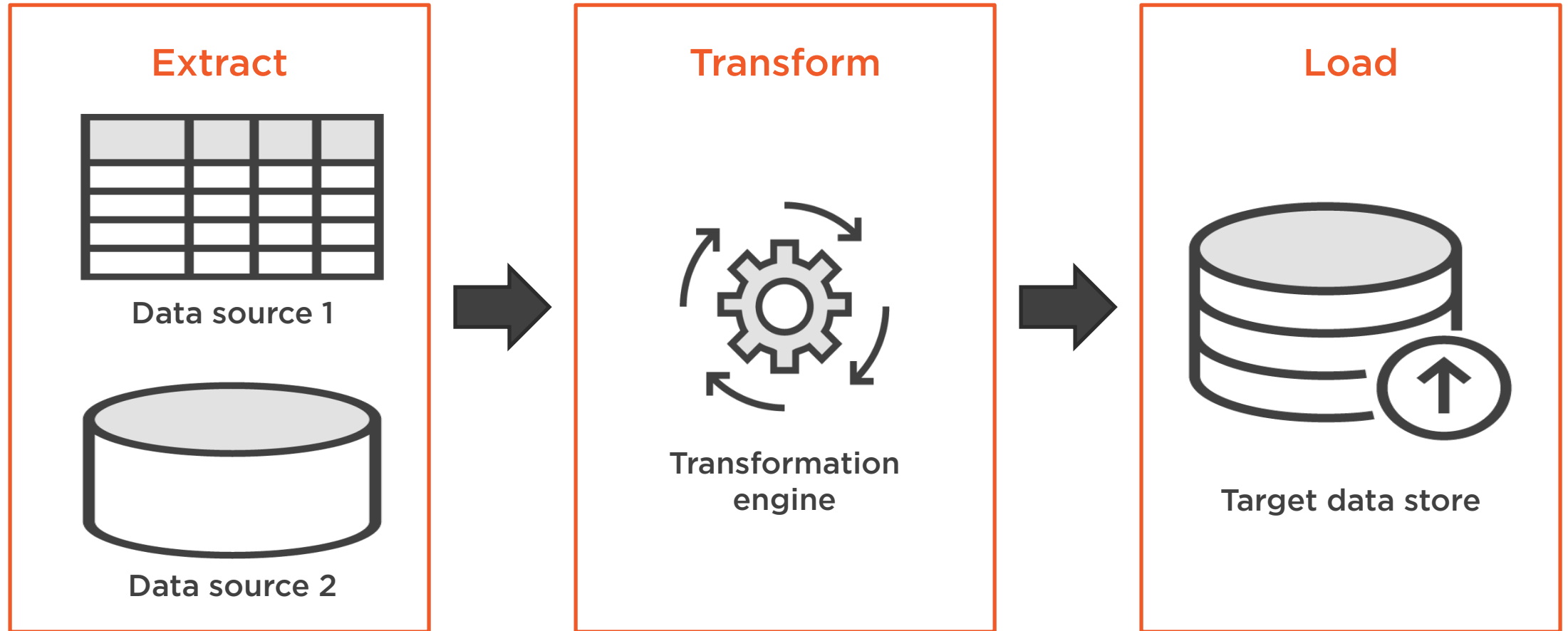
Updated **22 May 2019**

Share course

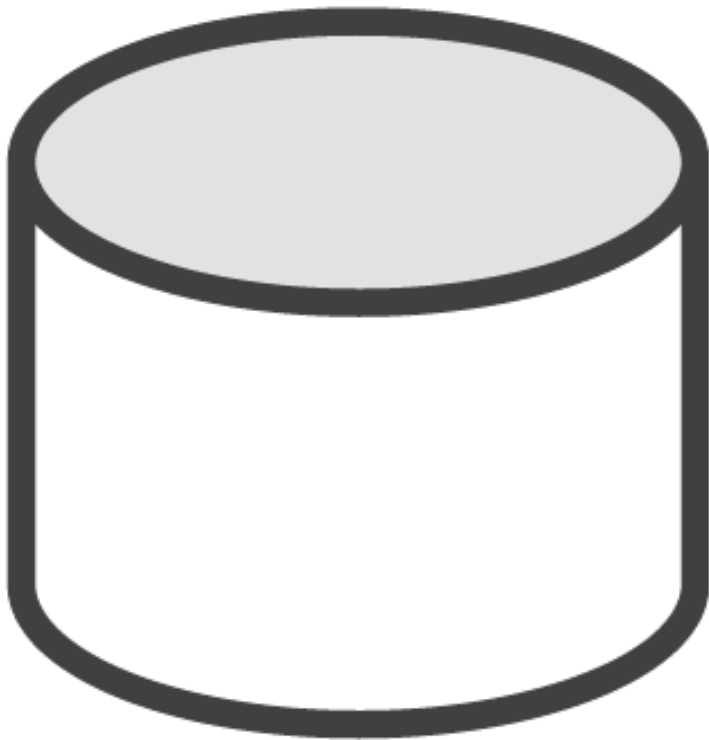
[f](#) [t](#) [in](#)



Basics of Extract, Transform, and Load (ETL) Process



Extracting Data from Storage



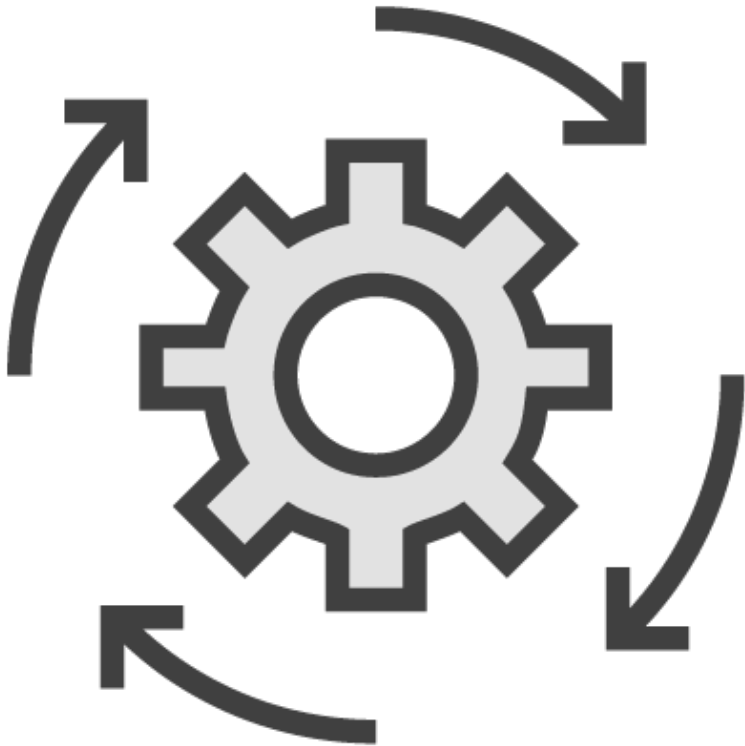
Raw storage including

- Azure Blob Storage
- Azure Data Lake Storage
- Hadoop Storage

Driven by Notebook calls

Secure access to data stores

Transforming Data with Azure Databricks



Refining data into predictions and insights

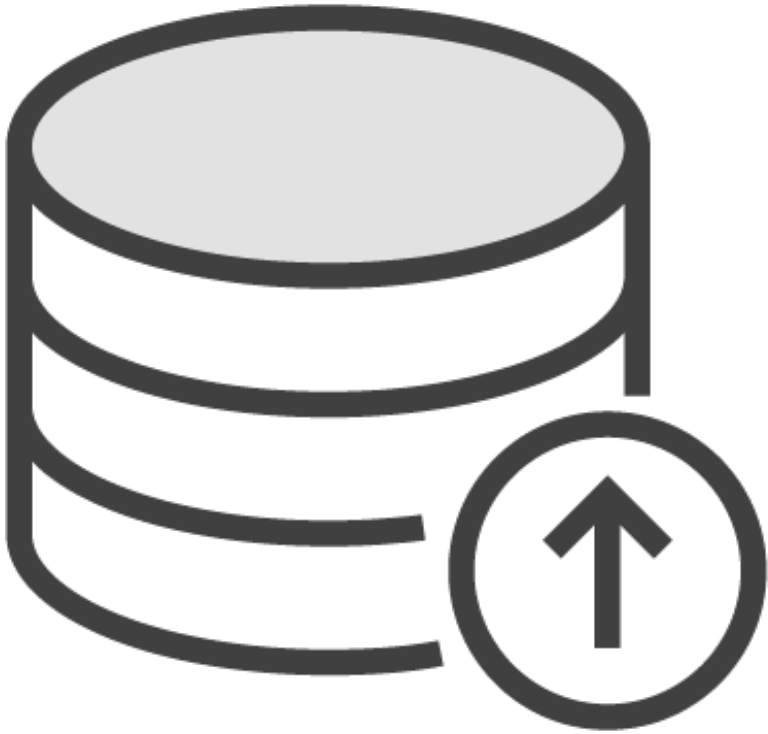
Azure Databricks clusters do the work

Data is refined to what you need

Use your language of choice in Notebooks



Loading Data in Azure SQL Data Warehouse



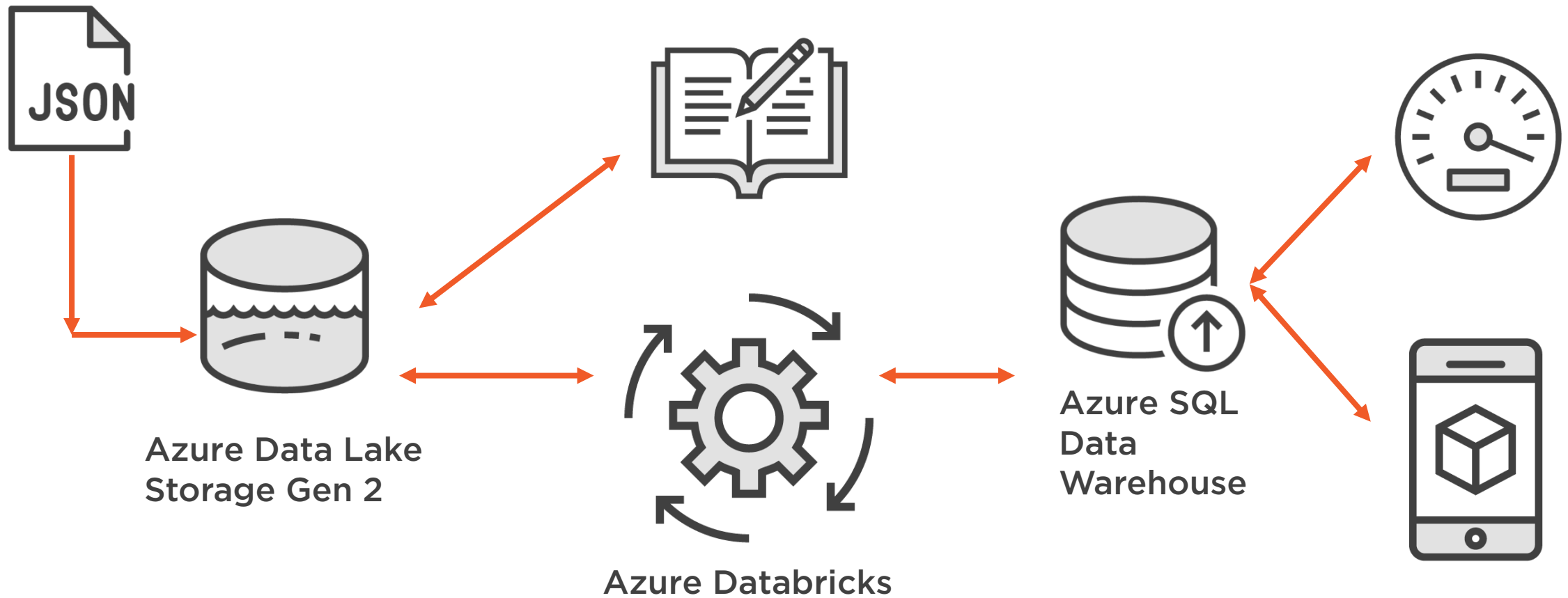
Choose the database service that meets your application needs

Storage for your intelligent applications

Data refresh is easy



Scenario – Working with Audience Information



Pre-requisites for Demo



Azure SQL data
warehouse



Azure Blob storage
and Data Lake storage
account



Service principal

<http://bit.ly/ETLdemo>



Demo



Performing ETL operation in Azure
Databricks



Summary



Everything you need to perform ETL with your data

Notebooks are where the magic happens

Simply modify your code and re-run to see changes



For Further Learning

Azure Databricks documentation at **docs.microsoft.com**
<https://docs.microsoft.com/en-us/azure/azure-databricks/>

Azure Databricks documentation at
docs.azuredatabricks.net
<https://docs.azuredatabricks.net/user-guide/index.html>

Remember the module exercise files

Questions? Join on the conversation at pluralsight.com



Next Up:

Batch Scoring of Apache Spark ML Models with Azure Databricks

