

NajiElKotob / **Awesome-Microsoft-Fabric**

Code Issues Pull requests Actions Projects Security Insights

main **Awesome-Microsoft-Fabric**
/ README.md

NajiElKotob Update README.md 10 hours ago

167 lines (131 loc) • 14.9 KB

Preview Code Blame Raw

Awesome Microsoft Fabric

{Awesome Works in Progress}

Microsoft Fabric is an end-to-end analytics platform that provides a single, integrated environment for data professionals and the business to collaborate on data projects.

Fabric

Docs

- [Microsoft Fabric documentation](#) - learn.microsoft.com
- [Get started with Microsoft Fabric](#) - Microsoft Learning
- [Become a Fabric Analytics Engineer Start your journey](#) - aka.ms/fabriccareerhub
- [Microsoft Fabric concepts and licenses](#)
 - [Microsoft Fabric trial](#)
 - [How to calculate Microsoft Fabric costs](#) - fourmoo.com
 - [Accessing Microsoft Fabric for developers, startups and enterprises!](#) - aka.ms/upgrade-to-fabric

Learn

- [Get started with Microsoft Fabric](#) (11 modules)
- [Microsoft Ignite: Microsoft Fabric](#) (8 modules)
 - i. [Introduction to end-to-end analytics using Microsoft Fabric](#)
 - ii. [Get started with lakehouses in Microsoft Fabric](#)
 - iii. [Use Apache Spark in Microsoft Fabric](#)
 - iv. [Work with Delta Lake tables in Microsoft Fabric](#)
 - v. [Use Data Factory pipelines in Microsoft Fabric](#)
 - vi. [Ingest Data with Dataflows Gen2 in Microsoft Fabric](#)
 - vii. [Get started with data warehouses in Microsoft Fabric](#)
 - viii. [Get started with data science in Microsoft Fabric](#)
- [Fabric Notes](#) - aka.ms/fabricnotes | Simple drawings illustrating the main concepts of Microsoft Fabric to empower anyone to build stuff on Fabric.

Tutorials

- [Data warehouse tutorial introduction](#) ★ - learn.microsoft.com
- [End-to-end tutorials in Microsoft Fabric](#) ★ - learn.microsoft.com

Labs

- [Microsoft Fabric Labs](#)

YouTube

- Guy in a Cube
 - [Microsoft Fabric Discussion ~ 1 hour](#)
 - [Understanding Microsoft Fabric Licensing and Cost \(Public Preview\)](#)
 - [Microsoft Fabric Launch Digital Event \(Day 1\) ~3.2 hours](#)
 - [Microsoft Fabric Launch Digital Event \(Day 2\) ~3 hours](#)
 - [How to connect to Microsoft Fabric Items from Power BI Desktop?](#)
- KratosBI
 - [Learn Microsoft Fabric with Me! Part 1 ~4 hours](#)
 - [Introduction to #MicrosoftFabric - Madison Fabric User Group](#)
- Microsoft
 - [Microsoft Fabric: Data mirroring and Copilot updates](#) - Microsoft Mechanics
 - [Microsoft Fabric at Microsoft Inspire 2023](#) ★
 - [Create, Evaluate, and Score a Churn Prediction Model](#)  ~1 hour

- Microsoft Power BI
 - [Learn Together: Get started with end-to-end analytics and lakehouses in Microsoft Fabric](#)  ~1.5 hours
- [Tamarick Hill's Azure Data Training](#)
- Centida BI & Analytics
 - [Microsoft Fabric: End-to-End Project ~45min](#)
- Azure Synapse Analytics
 - [Fabric Data Science Sales Forecasting: Predict sales numbers for product categories at a superstore](#)
- Misc
 - [Empower every BI professional to do more with Microsoft Fabric ~30min](#) - Zoe Douglas & Christian Wade | Microsoft
 - [Microsoft Fabric Licensing An Ultimate Guide ~18min](#) - RADACAD
 - [Microsoft Fabric: Lakehouse vs Warehouse](#) - James Serra
 - [Centida BI & Analytics](#)

Articles

- [Introducing Microsoft Fabric: Data analytics for the era of AI](#) - azure.microsoft.com
- [Answering early questions about Fabric's place in your analytics stack](#) - Luke Fangman
- [SQL and the Microsoft Fabric \(Presentation\)](#) - OneDrive
- Fabric is the first truly unified analytics solution based on one copy of data. Using open-standard formats and end-to-end service offerings, Fabric enables customers to avoid vendor lock-in, and prevent data-fragmentation complexity. Fabric is transforming how analytics projects are delivered. Using open-standard formats and end-to-end service offerings, Fabric enables customers to avoid vendor lock-in, and prevent data-fragmentation complexity. Fabric is transforming how analytics projects are delivered. [Learn more](#) - Christian Wade

Data Activator

'Data Activator is a no-code experience in Microsoft Fabric for automatically taking actions when patterns or conditions are detected in changing data. It monitors data in Power BI reports and Eventstreams items, for when the data hits certain thresholds or matches other patterns. It then automatically takes appropriate action such as alerting users or kicking off Power Automate workflows.' [Learn more](#)

Docs

- [Data Activator documentation](#)

Videos

- [How to Use Data Activator - Live with Will Thompson! - Intermediate](#)  ~1 hour - KratosBI
- [Automate data-driven actions | Data Activator in Microsoft Fabric](#) - Microsoft Mechanics
- [Unleash the Potential of Data Activator in Microsoft Fabric](#) - Guy in a Cube | Join Will Thompson as he walks you through the features and benefits of this powerful tool.

Power BI

Uncover powerful insights and turn them into impact. Connect to and visualize any data, and seamlessly infuse visuals into the apps you use every day.

- [Awesome Power BI](#) - A comprehensive GitHub repository, providing free learning resources for Power BI since 2015, including YouTube tutorials, blogs, articles, and guides on DAX, data storytelling, and more.

Synapse Data Engineering

Data engineering in Microsoft Fabric enables users to design, build, and maintain infrastructures and systems that enable their organizations to collect, store, process, and analyze large volumes of data. [Learn more](#)

- [Introducing Synapse Data Engineering in Microsoft Fabric](#)

Synapse Data Warehouse

Microsoft Fabric provides customers with a unified product that addresses every aspect of their data estate by offering a complete, SaaS-ified Data, Analytics and AI platform, which is lake centric and open. The foundation of Microsoft Fabric enables the novice user through to the seasoned professional to leverage Database, Analytics, Messaging, Data Integration and Business Intelligence workloads through a rich, easy to use, shared SaaS experience with Microsoft OneLake as the centerpiece. [Learn more](#)

- [Introducing Synapse Data Warehouse in Microsoft Fabric](#)

Synapse Data Science

Microsoft Fabric offers Data Science experiences to empower users to complete end-to-end data science workflows for the purpose of data enrichment and business insights. [Learn more](#)

- [An end-to-end Data Science scenario in Microsoft Fabric](#)  ~9min - Azure Synapse Analytics
- [Introducing Synapse Data Science in Microsoft Fabric](#)

Synapse Real Time Analytics

Real-Time Analytics reduces complexity and simplifies data integration. Gain quick access to data insights with just seconds of provisioning, automatic data streaming, indexing, and partitioning for any data source or format, and on-demand query generation and visualizations. [Learn more](#)

Data Factory

Data Factory empowers you with a modern data integration experience to ingest, prepare and transform data from a rich set of data sources (for example, databases, data warehouse, Lakehouse, real-time data, and more). [Learn more](#)

Microsoft Purview

Microsoft Purview hub is a centralized page in Fabric that helps Fabric administrators and users manage and govern their Fabric data estate. It contains reports that provide insights about sensitive data and item endorsement, and also serves as a gateway to more advanced capabilities in the Microsoft Purview governance and compliance portals such as Data Catalog, Information Protection, Data Loss Prevention, and Audit. [Learn more](#)

OneLake

OneLake is Fabric's lake-centric architecture that provides a single, integrated environment for data professionals and the business to collaborate on data projects. Fabric's OneLake architecture facilitates collaboration between data team members and saves time by eliminating the need to move and copy data between different systems and teams. OneCopy is a key component of OneLake that allows you to read data from a single copy, without moving or duplicating data. [Learn more](#)

Articles

- [OneLake shortcuts](#) - learn.microsoft.com
- A [data lakehouse](#) is a modern data management architecture that combines the cost-efficiency, scale, and flexibility features of a data lake with the data and transaction management capabilities of a data warehouse.
- [Announcements from the Microsoft Fabric Community Conference](#)

Videos

- [What Is Microsoft OneLake? 🎥 ~22min](#) - Tamarick Hill's Azure Data Training

Tools

- [Microsoft OneLake file explorer for Windows](#)
- [Delta Analyzer](#) - DAX Tips
 - [Uncovering OneLake's Secrets with Delta Analyzer in Microsoft Fabric 🎥 11min](#)

PySpark

- [Use Python for Apache Spark](#) - learn.microsoft.com
- [Pyspark Tutorial: Getting Started with Pyspark](#) - datacamp.com
- [Let's look at using some PySpark in your first Microsoft Fabric Notebook](#) - Guy in a Cube

Exams

- [Exam DP-600: Implementing Analytics Solutions Using Microsoft Fabric](#) - Resources and References
 - [Exam Cram for DP-600](#) - aka.ms/fabricexamcram
- [Introducing a new resource for all role-based Microsoft Certification exams](#) - aka.ms/Uselearn
- [Exam Readiness Zone](#) - aka.ms/examreadinesszone

Applied Skills

- [Implement a lakehouse in Microsoft Fabric](#)
- [Implement a data warehouse in Microsoft Fabric](#)

Icons and Images

- [All Microsoft Fabric icons for diagramming](#) - debruyn.dev (Sam Debruyn)

Terms and more

- A **synapse** is a small gap at the end of a neuron that allows a signal to pass from one neuron to the next. Neurons are cells that transmit information between your brain and other parts of the central nervous system. Synapses are found where neurons connect with other neurons. [Learn more](#)
- [Microsoft Fabric terminology \(GitHub\)](#)
- [Delta Lake](#) - delta.io
- [Parquet](#) - databricks.com
- The Azure Blob File System driver or **ABFS**. ABFS is part of Apache Hadoop and is

included in many of the commercial distributions of Hadoop. By the ABFS driver, many applications and frameworks can access data in Azure Blob Storage without any code explicitly referencing Data Lake Storage Gen2. [Learn more](#)