

Microsoft Power BI Data Integration Options

	Power Query Editor	Power BI Dataflows	Integration Services (SSIS)	Azure Stream Analytics	Azure Data Factory
Cost	Free	Small	Small – moderate ²	Per data use	Per data use
Cloud/on-prem	On-premise	Cloud	On-prem, can be installed on cloud ³	Cloud	Cloud
Ease of use	Easy – moderate	Moderate	Moderate – advanced	Advanced	Moderate – advanced
Product maturity	Moderate	New (based on Power Query/M)	Mature	Relatively new	New (supports mature components)
Feature set	Moderate	Moderate	Rich	Moderate	Moderate to rich
Supported BI visualization tool(s)	Power BI only	Power BI only ¹	All open-platform tools	All open-platform tools	All open-platform tools
Use cases	Personal BI	Small companies and departments without back-end developers	On-prem with SQL Server license; lots of legacy code/packages	Streaming data from sensors, social media, factory machines	Enterprise level data lake and data warehouse data movement (esp. cloud)
Support/community and available resources	Excellent	Excellent	Excellent	Moderate	Good and growing

Watch our [on-demand webinar](#) to get demos and a more complete understanding of the capabilities available within these tools.

Microsoft Power BI Data Integration Options (continued)

Footnotes

1. With Power BI Premium, you can bring your own data lake storage (ADLSG2) and use the data in Power BI and/or in your tool of choice
2. Free with SQL Server license
3. Can be installed on cloud virtual machines and packages run on Azure. Can also run without VMs, ie. Azure SQL Database for the storage and Azure Data Factory for running the SSIS packages (<https://www.sqlshack.com/run-ssis-packages-in-azure-data-factory/>)



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