1. Advantages of natural queries.
2. Makes data exploration more intuitive.
3. Accessible to users who may not have technical expertise.
4. Clients and the back end are connected by the front-end cluster. The front-end services handle the initial connection and Azure active Directory client authentication
5. The back-end cluster determines how authenticated clients interact with the power service. The back –end cluster manages visualizatioms, user dashboards, dataset, reports, data storage, data connections, data refresh, and other aspects of interacting with the power BI service.
6. we do not have access to the specific details of power bi service architecture ASP.NET is a web application framework that can be used to develop and deploy web applications and services in the context of power bi service services architecture.
7. 20 data souces supported by power Bi
8. Excel
9. Text/csv
10. XML
11. JSON
12. Folder
13. PDF
14. Sharepoint folder
15. SQL Server database
16. Access database
17. MySQL server database
18. Azure SQL database
19. Oracle database
20. IBM db2 database
21. IBM Netezza
22. Google big query
23. Mark logic
24. BI connector
25. Power BI database
26. Power BI dataflow
27. Microsoft dataverse

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| --- | --- | --- |
|  | EXCEL | POWER BI |
| Data import | Excel has limitations in the amount of data it can work with. | Power bi can handle much larger amounts of data. |
| Data transformation | Excel is used to organize data, transform it and perform mathematical operations and calculations | Where as power bi conceived as a business intelligence and data visualization tool foe business.m |
| Modeling | Models are created implicitly when you import two or more tables simultaneously in excel | The process of creating a relationship between common columns of multiple tables |
| Reporting | Report is simply data that is collected and presented in a visual way on a single sheet | This is multi perspective view in to a data model, with visualizations that represent different findings and insights from that data model |
| Server deployment | The process of making a server operational | The process of making a server operational |
| Convert models | We can convert easy | We can’t convert easy |
| Cost | Low compare to power bi | high |