**POWER BI TOOLS AND FUNCTIONS**

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| **TOOL** | **FUNCTIONS/USES** |
| SQL Server Integration Services (SSIS) | A server database software by Microsoft dedicated for integrating data and workflow applications. It is also used for the following;   * Data migration and ETL (Extraction, transformation and loading) operations. * Automating database maintenance tasks. * Data cleansing and aggregation. * Combining data from multiple sources into a unified format. |
| SQL Server Analysis Services (SSAS) | SSAS is an analytical data engine used to support business intelligence (BI) solutions, enabling users to analyze and query large datasets. It provides two main models: Multidimensional and Tabular. It is also used for the following:   * Building and deploying Online Analytical Processing (OLAP) cubes. * Creating multidimensional models for fast data analysis. * Building data mining models for predictive analytics. * Enabling high-performance data analysis for complex queries. |
| SQL Server Reporting Services (SSRS) | SSRS is a server-based report generating software system. It enables the creation, management, and delivery of both interactive and printed reports. It is also used for the following;   * Designing and delivering detailed reports from data sources such as SQL databases. * Creating interactive, tabular, and graphical reports (charts, graphs). * Delivering reports via web portals, email subscriptions, or file shares. * Integrating with custom applications and other BI tools. |
| Power BI Suite | This is a Power BI suite is a collection of business intelligence tools that includes Power BI Desktop, Power BI Services, and Power BI Mobile. It offers robust data visualization, reporting, and analytics capabilities. Uses:   * End-to-end data analysis, transformation, and visualization. * Enabling users to create dashboards, reports, and data models. * Integrating and sharing reports across platforms and devices. |
| Power BI Desktop | Power BI Desktop is a free application for PCs that allows users to connect, transform, and visualize their data. It is the primary tool for report creation. Uses:   * Importing data from a wide variety of sources (databases, cloud services, Excel, etc.). * Building complex data models and creating visualizations. * Performing data analysis and report design locally. * Combining multiple data sources into a single report or dashboard. |
| Power BI Services | This is a cloud platform for sharing and consulting dashboards. Uses:   * For publishing and sharing reports via the application and web. * Analyzing and visualization of data. * Planning periodic updates. * Creating alerts and notifications for evolution of certain data. |
| Power BI Mobile | Power BI Mobile is the mobile app that allows users to access and interact with Power BI reports and dashboards on smartphones and tablets. Uses:   * Viewing and interacting with reports and dashboards on the go. * Receiving real-time data alerts and notifications. * Offering mobile-optimized versions of reports. * Collaborating with team members by sharing insights directly from the mobile app. |