

WHAT IS POWER BI

Power bi is a data visualization and business intelligence tool by Microsoft that convert data from
That converts various data source into business intelligence reports
It's become easy for business to spot trends, track performance and make data driven decision

WHAT IS BUSINESS INTELLIGENCE

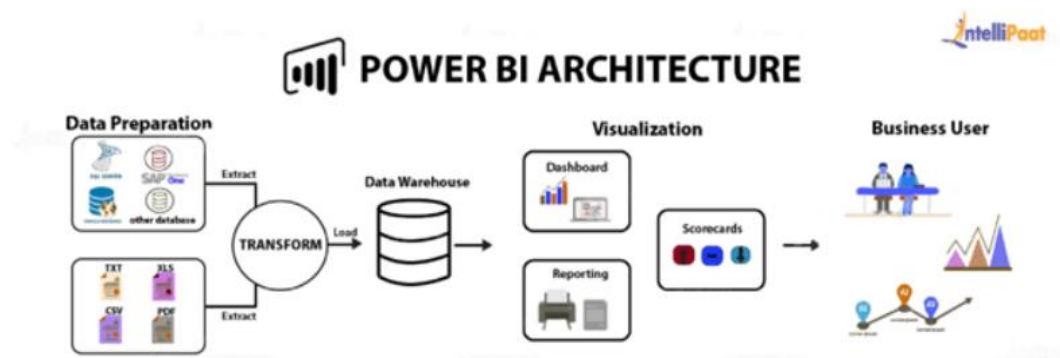
BI REPORTING IS A TOOL that lets companies have an assistance on understanding what is actually happening in the company

Its helps understands business the patterns of different categorization like budgets, time, resources

BI does is gathering and analysing the data from various sources (like sales records, customer feedback etc.) and make an informed decision like when to launch a new product and how to improve customer service

POWER BI ARCHITECTURES

further.



Sourcing data

POWER BI ARCHITECTURE IS A PROCESS of turning the raw useful information

Data Sources: In power bi different data sources can be database, excel, files or online service

Data Import: power bi have the ability to pull data from various data sources and bring them in one place

Data Transformation: power bi has tools to clean the data and shape the data according to our need so that it can be used in reporting

Data Modelling: data modelling is creating relationship between different pieces of data and making it easier to understand

Visualization: power bi turns the organized data into charts, graphs and dashboard

Sharing and Collaboration: once the report is ready power bi allows the report to be shared

POWER BI ARCHITECTURE QUERY

- Power BI DESKTOP
- POWER BI SERVICE
- POWER BI GATEWAY
- POWER PIVOT
- POWER VIEW
- POWER MAP

Application of power bi

- Data visualization
- Data Management
- Data Analytics with Internal Software System
- Business reporting

MAIN COMPONENT OF BI SYSTEM

- Data source
- Data mart / data warehouse
- Data exploration
- Data mining
- Optimization
- Decision

POWER BI DATA SOURCE AND ITS TYPES

- Different data source are as
- Flat Files
- SQL Database
- Data Feed
- Blank Query
- Azure Cloud platform
- Online services

- Blank Query
- Other data sources such as Hadoop , Exchange and Active Directory

WHAT IS SQL SSRS (server reporting services?)

Powerful reporting tools for business

Data collection: gathering all the information from various data sources

Report generation: creating the actual reports based on the design you made

Distribution: sharing the reports with other who need the information

Interactive features: allowing users to interact with reports like filtering data and drilling down in details

DIFFERENT TYPES OF REPORTS

Canvas reports: this is the most basics types of reports in power bi, it allows users to drag and drop visualization onto a canvas and arrange them in design

Paginated reports: this type of reports is similar to traditional paper reports, where there can be , various reports pages with the fixed layout and ability to add tables, matrices and charts

Dashboard: dashboard is a collection of visualization

KPI reports: a kpi reports that showcase key performance indicator

Drill through reports: A drill through reports allows user to drill down into data to view more detailed information