Overview of BI and Introduction to MS-Power BI

Contents

Business Intelligence (BI)

BI is a set of processes, architectures, and technologies that convert raw data into meaningful information that drives profitable business actions.

BI as a discipline and as a technology-driven process is made up of several related activities, including:

1 Data Mining	**2** Analytical processing
3 Development	**4** Visualization

The BI Tools

Microsoft Power BI

+ a b l e a u

QlikView

Gartner's Magic Quadrat for Analytics and Business Intelligence Platform

Gartner's Magic Quadrant: CHALLENGERS, LEADERS, NICHE PLAYERS, VISIONARIES. Axes: ABILITY TO EXECUTE (vertical), COMPLETENESS OF VISION (horizontal). Vendors plotted: Microsoft, Salesforce (Tableau), Google, Domo, Qlik, MicroStrategy, TIBCO Software, ThoughtSpot, Amazon Web Services, SAP, Oracle, Sisense, Alibaba Cloud, Pyramid Analytics, IBM, SAS, Zoho, Yellowfin, Incorta, Tellus. As of January 2022. © Gartner, Inc.

Self Service Business Intelligence

- Self-service business intelligence (BI) is an approach to data analytics that enables business users to access and explore data sets even if they don't have a background in BI

- Self-service BI tools allow users to filter, sort, analyze and visualize data without involving an organization's BI and IT teams.

- **Examples of self-service BI tools**

  - Microsoft Power BI

  - IBM

  - Oracle

  - SAP and SAS

  - AWS

  - Domo

  - Google's Looker unit

  - MicroStrategy

  - Pyramid Analytics

  - Sisense

  - ThoughtSpot and Yellowfin

  - Salesforce(Tableau)

Power BI– A powerful BI tool

- Power BI is a Data Visualization and Business Intelligence tool developed by Microsoft that converts data from different data sources to interactive dashboards and BI reports

Key Features:

- Interactive Power BI desktop

- Customized Visualization

- Visibility

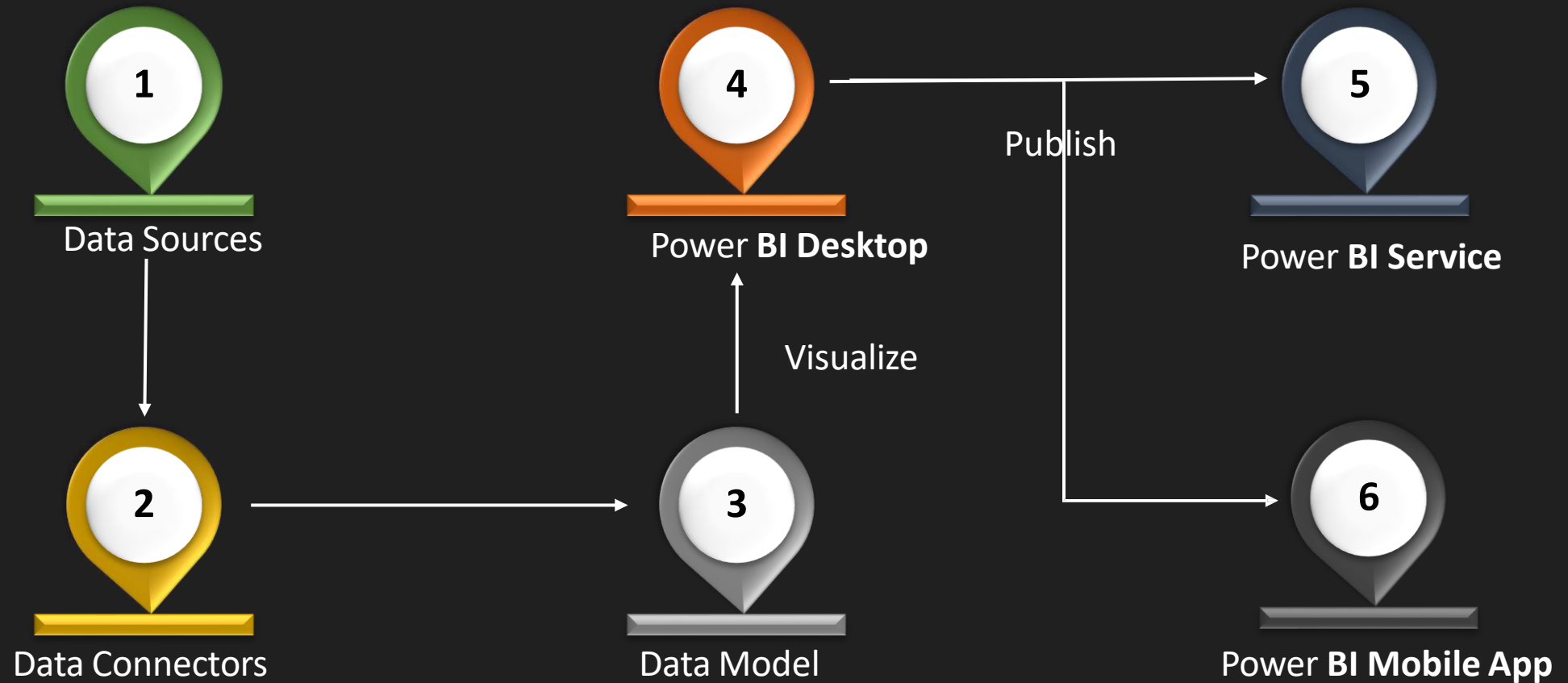- self service business intelligence

The Power BI Product Suit

- Power BI Desktop

- Power BI Pro

- Power BI Premium

- Power BI Mobile

- Power BI Embedded

- Power BI Report Server

Licensed version comes with various packages

1$ = 80₹

Power BI Pro

Per user

$13.70

Per user/month

License individual users with modern, self-service analytics to visualise data with live dashboards and reports, and share insights across your organisation.

- Power BI Pro is included in Microsoft 365 E5.
- Available to buy now with a credit card.[1]

Power BI Premium

Per user

$27.50

Per user/month [2]

License individual users to accelerate access to insights with advanced AI, unlock self-service data prep for big data, and simplify data management and access at enterprise scale.

- Includes all the features available with Power BI Pro.
- Available to buy now with a credit card.[1]

Per capacity

from

$6,858.10

Per capacity/month

License your organisation with capacity to accelerate access to insights with advanced AI, unlock self-service data prep for big data, and simplify data management and access at enterprise scale—without per-user licences for content consumers.

- Requires a Power BI Pro licence for publishing content into Power BI Premium capacity.
- Enable autoscale with your Azure subscription to automatically scale Power BI Premium capacity.

Power BI Workflow

Power BI Components

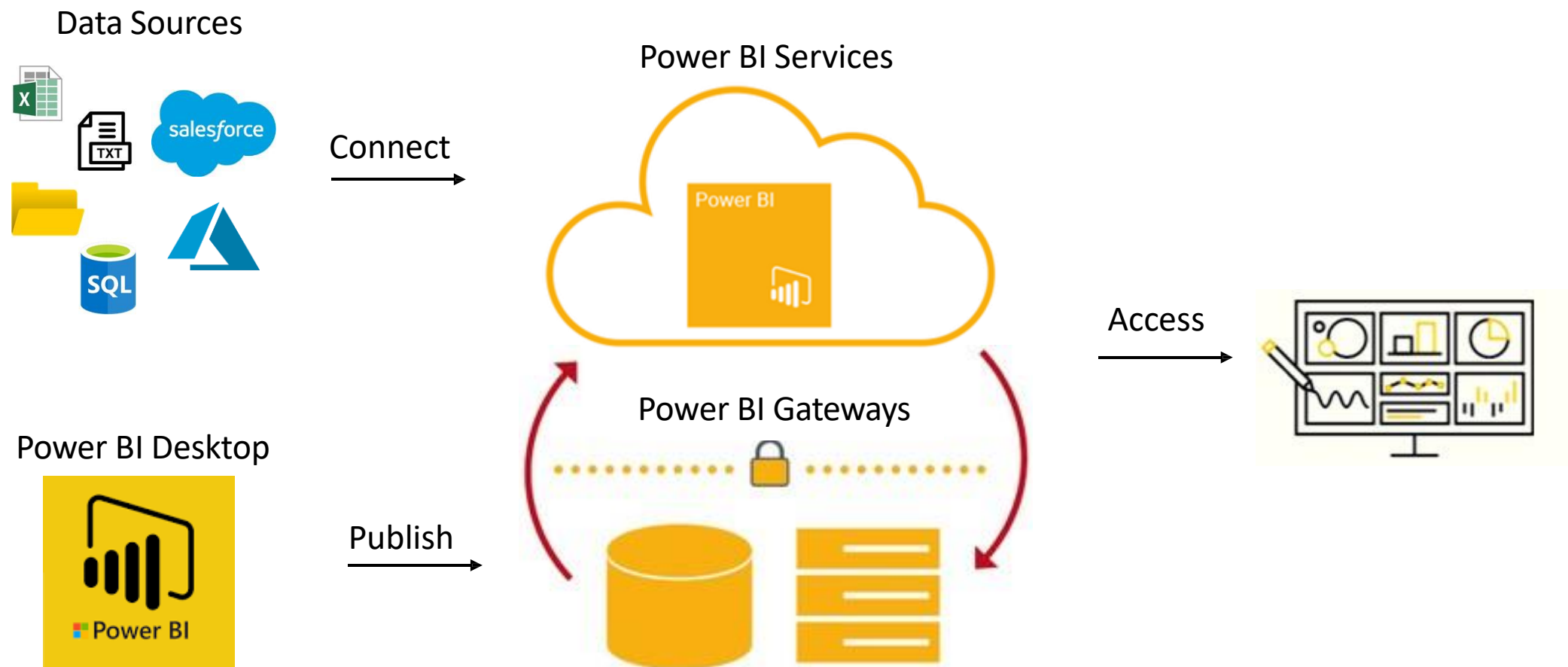|				
1	Power Pivot		2	Power Query
3	Power View		4	Power Map
5	Power BI desktop		6	Power Q&A

What are the Building Blocks of Power BI?

- Data Sets

- Visualization

- Reports

- Dashboards

- Tiles

Power BI Architecture

Data Sources

Power BI Services

Connect

Power BI Desktop

Publish

Power BI Gateways

Access

Thank you