**Day-26**

**Create a proper document in your own description**

**- Types of Power BI Licensing**

**- Difference between all types of licensing**

**- Benefits of Power BI Premium over Power BI pro**

Power BI, being Microsoft’s top data visualization and business intelligence platform, comes with different licensing options depending on the size, scale, and needs of an organization or individual user. Understanding these license types is key to choosing the right plan for your data projects.

**1) Types of Power BI Licensing**

There are **three main types of Power BI licenses**:

**1. Power BI Free (Desktop)**

* This is the **basic version** available to everyone for free.
* It’s ideal for **individual use**, such as creating reports and dashboards on your local machine using **Power BI Desktop**.
* However, **you cannot share** reports or collaborate with others online using just the free version.

**2. Power BI Pro**

* This is a **paid license (per user)** that allows **sharing**, **collaboration**, and publishing reports to the **Power BI Service (cloud)**.
* Users with Pro licenses can **create workspaces**, **share dashboards**, and **collaborate with team members** who also have Pro licenses.
* It’s best suited for **small to mid-sized teams** who need secure and interactive data sharing in the cloud.

**3. Power BI Premium**

Power BI Premium comes in **two forms**:

**a. Per User (Premium per user - PPU)**

* This version gives an individual user access to **advanced features** like **AI capabilities**, **paginated reports**, **larger dataset sizes**, and **deployment pipelines**.
* Suitable when **only a few users** need premium features.

**b. Premium Per Capacity**

* This is for **enterprises** and organizations.
* Instead of licensing by user, you pay for **dedicated cloud capacity** (computing power + storage).
* You can distribute content to users **without each one needing a Pro license**.
* It’s ideal for **large-scale deployments** and **enterprise-level sharing**.

**2) Power BI License Comparison Table**

| **Feature / Capability** | **Power BI Free** | **Power BI Pro** | **Power BI Premium (Per User)** | **Power BI Premium (Per Capacity)** |
| --- | --- | --- | --- | --- |
| Create reports using Desktop | Yes | Yes | Yes | Yes |
| Publish reports to Power BI Service | No | Yes | Yes | Yes |
| Share reports and dashboards | No | Yes | Yes | Yes (can share with free users) |
| Collaborate in workspaces | No | Yes | Yes | Yes |
| Maximum dataset size | 1 GB | 1 GB | 100 GB | 400 GB |
| Storage limit | 10 GB per user | 10 GB per user | 100 TB shared | 100 TB shared |
| Access to AI features | No | No | Yes | Yes |
| Paginated reports support | No | No | Yes | Yes |
| Dedicated compute capacity | No | No | No | Yes |
| Deployment pipelines | No | No | Yes | Yes |
| Maximum scheduled refreshes per day | 8 | 8 | 48 | 48 |
| Viewer access for published reports | Not available | Only Pro users | Only licensed users | All users (no Pro license needed to view) |
| Licensing model | Free | Per user | Per user | Capacity-based (organization-wide) |

**3) Benefits of Power BI Premium Over Power BI Pro**

While **Power BI Pro** is sufficient for small teams and basic reporting, **Power BI Premium** brings many enterprise-grade advantages:

**1. Larger Data Capacity**

* Pro users are limited to **1 GB per dataset**, but Premium supports datasets up to **400 GB** in size. That’s a huge leap for complex data models.

**2. Faster Performance with Dedicated Resources**

* Premium (per capacity) gives you **dedicated compute power**, which means **faster loading, processing, and refreshing** — even during peak hours.

**3. Advanced AI Features**

* Premium users can use built-in **AI visualizations**, **automated machine learning**, **image recognition**, and **text analytics**, which Pro users cannot access.

**4. Paginated Reports**

* Only Premium allows **paginated (pixel-perfect) reports**, which are essential for printable/exportable formats often used in finance and operations.

**5. Deployment Pipelines**

* Premium gives access to **Dev → Test → Production** environments using **Deployment Pipelines**, which help with governance and version control.