

## 1. Difference between Power BI Desktop and Power BI Online Service

- **Power BI Desktop:** A free application for creating reports, doing data modeling, and transforming data. It runs on your computer.
  - **Power BI Online Service:** A cloud-based platform to publish, share, and collaborate on reports and dashboards.
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## 2. How to publish a Power BI report from Desktop to Online Service

- Open your report in **Power BI Desktop** → Click **Publish** → Select your **workspace** in Power BI Service → Report gets uploaded to the cloud.
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## 3. What is a workspace in Power BI? Types of workspaces

- A **workspace** is a shared area in Power BI Service where reports, datasets, and dashboards are stored.
  - **Types:**
    - **My Workspace:** Private, only you can see.
    - **Workspaces:** Shared with team members, allowing collaboration.
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## 4. Difference between a workspace and an app

- **Workspace:** Collaborative environment where reports are built and managed.
  - **App:** A packaged version of dashboards/reports from a workspace, shared with a larger audience.
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## 5. Power BI license types and limitations

- **Free:** Create reports in Desktop, limited use in Service (only personal workspace).
  - **Pro:** Needed for sharing, collaboration, publishing to workspaces.
  - **Premium (per user/capacity):** Enterprise-level storage, larger datasets, paginated reports, advanced AI features.
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## 6. How to share a report with someone who doesn't have a Pro license

- Share reports via **Power BI Premium capacity** workspace. Free users can then view without needing a Pro license.
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## 7. What is a semantic model (dataset) in Power BI? Where is it stored?

- A **semantic model (dataset)** is the data model created after importing/transforming data in Power BI.
  - It's stored in the **Power BI Service cloud storage** when published.
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## 8. How does Scheduled Refresh work in Power BI Online Service?

- Refresh schedules automatically pull updated data from the original data source (daily, hourly, etc.), as long as the gateway/connection is set up.
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## 9. Difference between a dataset and a dataflow

- **Dataset:** A single report's imported/connected data model.
  - **Dataflow:** Cloud-based ETL (Extract, Transform, Load) tool in Power BI Service for reusable data preparation across multiple reports.
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## 10. When and why use a dataflow instead of a dataset?

- Use **dataflows** when you want **centralized, reusable, standardized data preparation** for multiple datasets/reports.
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## 11. What are dashboards in Power BI Online? Difference from reports

- **Dashboard:** A single-page canvas made of pinned visuals from reports/datasets. Interactive but limited compared to reports.
  - **Reports:** Multi-page, detailed analysis with filters, slicers, and drill-downs.
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## 12. How do you pin a visual to a dashboard from a report?

- In a report, click the **pin icon** on a visual → Select a dashboard → The visual appears on that dashboard.
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## 13. What is the mobile view in Power BI and why is it useful?

- A **layout optimized for smartphones**.
  - Useful for executives and employees who consume reports on mobile devices.
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## 14. What is a paginated report in Power BI and when would you use it?

- A **pixel-perfect, printable report** (like invoices, statements, forms).
  - Used when exact formatting, pagination, or printable reports are required.
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## 15. Can you export reports from Power BI Service to PDF or PowerPoint? How?

- Yes, from the Service → **Export** → Choose **PDF** or **PowerPoint (PPTX)**.
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## 16. What does “Live Connection” mean in Power BI Service? How does it work?

- A **live connection** keeps the data model in the source system (like SSAS, Azure, or a dataset in Power BI).
  - Power BI only queries it in real-time without importing data.
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## 17. Explain Row-Level Security (RLS) and how it's applied

- **RLS** restricts data access for users based on roles (e.g., salespeople only see their region's sales).
  - Applied in Power BI Desktop (roles created) → Published → Enforced in Service.
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## 18. How to test RLS roles in Power BI Service?

- In the Service, go to **Security settings** of the dataset → Use **Test as role** to see data as a specific user/role.
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## 19. What are Apps in Power BI and how do you publish one?

- **Apps**: Packaged collections of reports/dashboards from a workspace.
  - Publish via **workspace** → **Create app** → **Configure** → **Publish** → **Share link**.
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## 20. Key benefits of Power BI Online Service in enterprise environments

- Centralized collaboration
- Easy sharing & access control
- Cloud storage & refresh scheduling
- Scalability with Premium capacity
- Integration with Microsoft ecosystem (Teams, Excel, SharePoint, etc.)