

1. What is the difference between Power BI Desktop and Power BI Online Service?

- **Power BI Desktop:** Free Windows application for building reports, cleaning data, writing DAX, and creating visuals.
 - **Power BI Service (Online):** Cloud platform where you publish, share, schedule refresh, collaborate, and distribute reports and dashboards.
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2. How do you publish a Power BI report from Desktop to the Online Service?

1. In **Power BI Desktop**, click **Home** → **Publish** → **My Workspace** / target workspace.
 2. Report and its dataset are uploaded to the **Power BI Service**.
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3. What is a workspace in Power BI? What are the types of workspaces available?

- A **workspace** is a container in the Power BI Service that stores datasets, reports, dashboards, and dataflows.
 - **Types:**
 1. **My Workspace** – personal, private.
 2. **Shared/Collaboration Workspace** – for teams, multiple users can access (requires Pro/Premium).
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4. What is the difference between a workspace and an app in Power BI?

- **Workspace** = development area for creators, where you build and manage content.
 - **App** = packaged, read-only version of reports and dashboards, published from a workspace to end users.
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5. Explain the different Power BI license types and their limitations.

- **Free** – Can use Power BI Desktop & My Workspace but cannot share with others.
- **Pro** – Required for publishing, sharing, and collaborating.
- **Premium Per User (PPU)** – Includes Pro features + AI, paginated reports, larger dataset size.

- **Premium (Capacity)** – Enterprise-level; allows free users to view shared reports if hosted in Premium capacity.
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6. How can you share a report with someone who doesn't have a Pro license?

- You need to publish the report in a **Premium capacity workspace**.
 - Free users can then view it without a Pro license.
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7. What is a semantic model (dataset) in Power BI, and where is it stored in the service?

- A **semantic model (dataset)** is the processed data model (tables, measures, relationships) created in Desktop.
 - When published, it's stored in the **Power BI Service workspace** alongside the report.
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8. How does Scheduled Refresh work in Power BI Online Service?

- Lets datasets automatically refresh at specific times (daily/hourly).
 - Requires a valid data connection (Gateway if on-premise).
 - Number of refreshes per day depends on license (Pro = 8/day, Premium = 48/day).
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9. What is the difference between a dataset and a dataflow in Power BI?

- **Dataset** – Data model with tables & measures used directly in reports.
 - **Dataflow** – Reusable ETL (data preparation) pipeline stored in the Service, built using Power Query.
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10. When and why would you use a dataflow instead of a dataset?

- Use **dataflow** when multiple datasets/reports need the same cleaned data.
- Saves processing time, ensures consistency, centralizes data prep.

11. What are dashboards in Power BI Online? How are they different from reports?

- **Dashboard:** Single page canvas (tiles pinned from reports), interactive but static layout.
- **Report:** Multi-page, detailed visuals built from a dataset.
- Dashboards can combine visuals from multiple reports/datasets.

12. How do you pin a visual to a dashboard from a report?

- In a report (Service), hover over a visual → click the **Pin icon** → select an existing dashboard or create new.

13. What is the mobile view in Power BI and why is it useful?

- A **layout mode** in the Service/Desktop to design reports optimized for mobile devices.
- Useful for executives or employees accessing reports on phones/tablets.

14. What is a paginated report in Power BI and when would you use it?

- **Paginated Report:** Pixel-perfect, print-ready report that spans multiple pages (like invoices, financial statements).
- Best for operational reporting, not dashboards. Requires Premium.

15. Can you export reports from Power BI Service to PDF or PowerPoint? How?

- Yes → Open report → File menu → Export → Choose **PDF** or **PowerPoint**.
- Exports all pages of the report as slides/pages.

16. What does “Live Connection” mean in Power BI Service, and how does it work?

- **Live Connection** = report connects directly to a semantic model (dataset) in Service or Analysis Services.
 - No data stored in the report; queries run live against the model.
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17. Explain Row-Level Security (RLS) and how it's applied in Power BI Online.

- **RLS** restricts data access for users based on roles (e.g., Sales Manager sees only their region's data).
 - Defined in Desktop (DAX filters on tables) → published to Service → roles assigned to users in workspace.
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18. How can you test RLS roles in Power BI Service?

- In Service, open dataset → **Security** → choose role → **Test as role** to view report as that role.
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19. What are Apps in Power BI and how do you publish one?

- **App** = packaged collection of dashboards, reports, and datasets, published from a workspace.
 - Publish via **Workspace** → **Publish App** → choose audience → users install app from link or App Marketplace.
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20. What are some key benefits of using the Power BI Online Service in enterprise environments?

- Centralized report hosting and sharing.
- Collaboration via workspaces and apps.
- Scheduled refresh & automatic updates.
- Security (RLS, permissions, Azure integration).
- Scalability (Premium capacity for large datasets).
- Access anytime, anywhere (web + mobile).

