

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

- **Power BI Desktop:** Free Windows application used for data modeling, transforming, building reports, and creating measures.
 - **Power BI Service (Online):** Cloud platform where reports are published, shared, refreshed, collaborated on, and integrated with dashboards and apps.
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2. How to publish a report from Desktop to the Online Service

- Open the report in Power BI Desktop → Click **Publish** → Sign in → Select a **workspace** in Power BI Service.
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3. What is a workspace in Power BI? Types available

- A **workspace** is a collaborative environment in Power BI Service to store reports, datasets, dashboards.
 - **Types:**
 1. **My Workspace** → personal, private.
 2. **Workspaces (Shared/Collaboration)** → team-based, allows multiple members with roles (Viewer, Contributor, Member, Admin).
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4. Difference between a workspace and an app

- **Workspace:** Backend collaboration area for authors/developers.
 - **App:** A published, read-only package of reports/dashboards created from a workspace, shared with end-users.
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5. Power BI license types and limitations

- **Free:** Can use Desktop, personal workspace, but cannot share content.
 - **Pro:** Required to share reports, collaborate, publish to workspaces, and consume shared content.
 - **Premium Per User (PPU):** Pro features + advanced features like AI, paginated reports, larger datasets.
 - **Premium Capacity:** Enterprise license that provides dedicated cloud resources; end-users can view shared reports without Pro license.
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6. Sharing with someone without Pro license

- You can share if your organization has **Premium capacity** (end-users consume reports without needing Pro).

- Otherwise, both sharer and viewer need **Pro** licenses.
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7. Semantic model (dataset) and where it's stored

- **Semantic model (dataset)**: Data model (tables, relationships, measures, transformations) created in Desktop or Service.
 - Stored in **Power BI Service** (in the workspace where it was published).
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8. Scheduled Refresh in Power BI Service

- Automates data updates by connecting to data sources and refreshing datasets on a defined schedule.
 - Frequency depends on license (Pro: 8/day, Premium: 48/day).
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9. Difference between dataset and dataflow

- **Dataset**: A semantic model (tables, measures, relationships) imported/published for reporting.
 - **Dataflow**: ETL process in the cloud, where reusable transformations (Power Query) are stored.
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10. When to use a dataflow instead of a dataset

- Use a **dataflow** when multiple datasets/reports need the **same transformed data** (single source of truth).
 - Datasets are better for **report-specific models**.
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11. Dashboards in Power BI Service

- **Dashboard**: A single-page canvas made by pinning visuals from reports.
 - **Difference**: Reports can have multiple pages; dashboards are single-page, aggregating visuals from multiple reports.
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12. Pin a visual to a dashboard

- Open report → Hover on visual → Click **Pin visual** → Choose an existing or new dashboard.
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13. Mobile view in Power BI

- Special layout for dashboards/reports optimized for mobile devices.
 - Useful for **executives and field staff** who need quick access to KPIs on phones/tablets.
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14. Paginated report in Power BI

- Report format optimized for printing/exporting (like SSRS reports).
 - Useful for **invoices, financial statements, or long detail-heavy reports**.
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15. Exporting reports to PDF/PowerPoint

- In Power BI Service → Open report → Click **Export** → Choose PDF or PPT.
 - Exports current view or entire report pages.
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16. “Live Connection” in Power BI Service

- Report connects directly to a **remote model** (e.g., Azure Analysis Services, shared dataset in Service).
 - Data stays in the source; queries are executed live without importing.
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17. Row-Level Security (RLS) in Power BI Online

- Restricts data based on user roles (e.g., a sales manager only sees their region).
 - Defined in Desktop, then roles are assigned in Power BI Service.
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18. Testing RLS roles in Power BI Service

- Go to the dataset → **Security** → Assign users to roles.
 - Use **View as role** option to test what users will see.
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19. Apps in Power BI and how to publish one

- **App**: Packaged version of a workspace’s reports/dashboards for distribution.
 - Publish from workspace → Click **Publish app** → Configure navigation, access permissions.
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20. Key benefits of Power BI Online Service in enterprise environments

- Centralized collaboration and governance.
- Secure sharing with RLS.
- Scalable with Premium capacity.
- Scheduled refresh and automation.
- Access from web, mobile, Teams, SharePoint.
- Integration with enterprise systems (Azure, Office 365).