

LESSON 19

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

- **Power BI Desktop:**
 - A Windows application for building reports, data modeling, and creating visuals.
 - Allows **data transformation** using Power Query, DAX modeling, and offline analysis.
 - **Power BI Service (Online):**
 - A cloud-based platform for **sharing, collaboration, and dashboards**.
 - Supports **scheduled refresh, row-level security, workspaces, and apps**.
 - Does **not** have full data modeling or complex transformations (done in Desktop).
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☒ 2. How do you publish a Power BI report from Desktop to the Online Service?

- Open **Power BI Desktop** → **File** → **Publish** → **Publish to Power BI**.
 - Sign in with your Power BI account → Choose a **workspace**.
 - The report is uploaded as:
 - **Report** (visuals & layout)
 - **Dataset** (data model)
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☒ 3. What is a workspace in Power BI? What are the types of workspaces available?

- **Workspace** = Collaboration area in Power BI Service for reports, dashboards, datasets.
 - **Types:**
 - **My Workspace** (Personal)
 - **Shared/Workspaces** (Team or organization)
 - Requires Pro or Premium license for sharing and collaboration.
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☒ 4. What is the difference between a workspace and an app in Power BI?

- **Workspace:** Development and collaboration space for creators.
 - **App:** A **packaged version of dashboards & reports** from a workspace, shared with users.
 - Users **consume** apps, cannot edit them (read-only).
 - Useful for distribution in enterprises.
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☒ 5. Explain the different Power BI license types and their limitations.

- **Free:**
 - Limited to personal use in **My Workspace**.
 - **Pro:**
 - Share & collaborate with other Pro users.
 - Required to publish to workspaces.
 - **Premium (Capacity):**
 - Dedicated cloud resources, higher refresh limits.
 - Allows sharing with **Free** users via Premium workspaces.
 - **Premium Per User (PPU):**
 - Combines Pro features with Premium features for a single user.
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☒ **6. How can you share a report with someone who doesn't have a Pro license?**

- Publish the report in a **Premium workspace** (Premium capacity).
 - Share through **Power BI App** or direct link.
 - Or **export to PDF/PPT** and send manually.
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☒ **7. What is a semantic model (dataset) in Power BI, and where is it stored in the service?**

- **Semantic Model (Dataset):**
 - The data model created in Power BI Desktop, including relationships, measures, and tables.
 - Stored in **Power BI Service (cloud)** under the workspace.
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☒ **8. How does Scheduled Refresh work in Power BI Online Service?**

- Power BI Service refreshes datasets by connecting to source data.
 - Configured under **Dataset** → **Settings** → **Scheduled Refresh**.
 - **Limits:**
 - Pro: 8 refreshes/day
 - Premium: 48 refreshes/day
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☒ **9. What is the difference between a dataset and a dataflow in Power BI?**

- **Dataset:**
 - Built in Power BI Desktop and uploaded to Service.
 - Includes model (tables, relationships, measures).
 - **Dataflow:**
 - ETL process in the Power BI Service (similar to Power Query in the cloud).
 - Creates reusable data transformation logic stored in the cloud.
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☒ **10. When and why would you use a dataflow instead of a dataset?**

- When multiple reports **need the same cleaned data**.
 - To **centralize ETL logic** and reuse transformations.
 - When using **large data sources with incremental refresh**.
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☒ **11. What are dashboards in Power BI Online? How are they different from reports?**

- **Dashboard:**
 - Single-page view, can pin visuals from multiple reports.
 - **Report:**
 - Multi-page, interactive visuals from a single dataset.
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☒ **12. How do you pin a visual to a dashboard from a report?**

- Open the report in Service → Hover over visual → **Pin visual** → Select dashboard.
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☒ **13. What is the mobile view in Power BI and why is it useful?**

- **Mobile View** = Optimized layout for mobile devices.
 - Ensures dashboards and reports are readable and navigable on smaller screens.
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☒ **14. What is a paginated report in Power BI and when would you use it?**

- **Paginated Report:**
 - Pixel-perfect, printable reports (like SSRS).
 - Used for invoices, financial statements, operational reports.
 - Requires **Power BI Premium**.
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☒ **15. Can you export reports from Power BI Service to PDF or PowerPoint? How?**

- Yes:
 - **File → Export → PDF or PowerPoint**.
 - Requires Pro or Premium.
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☒ **16. What does “Live Connection” mean in Power BI Service, and how does it work?**

- Live connection = No data stored in Power BI dataset.
 - Queries sent directly to:
 - **Analysis Services** (tabular or multidimensional)
 - **Azure Analysis Services**
 - Used for large enterprise models.
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☒ **17. Explain Row-Level Security (RLS) and how it’s applied in Power BI Online.**

- **RLS** restricts data based on user roles.
 - Applied by:
 - Defining roles in Power BI Desktop.
 - Publishing to Service and assigning users to roles.
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☒ **18. How can you test RLS roles in Power BI Service?**

- In Service:
 - Dataset → **Security** → View as Role.
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☒ **19. What are Apps in Power BI and how do you publish one?**

- **App** = Published collection of reports, dashboards, and datasets from a workspace.
 - Publish by:
 - Go to workspace → **Publish App** → Configure access and navigation → Publish.
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☒ **20. What are some key benefits of using the Power BI Online Service in enterprise environments?**

- Centralized sharing & collaboration.
- Scalable with Premium capacity.
- Security (RLS, sensitivity labels).
- Integration with **Teams, SharePoint, Power Automate**.
- Usage metrics and governance.