

## Lesson 19

**Topic:** Publishing and Sharing in Power BI

**Prerequisites:** Give a written brief explanation for all questions.

1. What is the difference between Power BI Desktop and Power BI Online Service?
2. How do you publish a Power BI report from Desktop to the Online Service?
3. What is a workspace in Power BI? What are the types of workspaces available?
4. What is the difference between a workspace and an app in Power BI?
5. Explain the different Power BI license types and their limitations.
6. How can you share a report with someone who doesn't have a Pro license?
7. What is a semantic model (dataset) in Power BI, and where is it stored in the service?
8. How does Scheduled Refresh work in Power BI Online Service?
9. What is the difference between a dataset and a dataflow in Power BI?
10. When and why would you use a dataflow instead of a dataset?
11. What are dashboards in Power BI Online? How are they different from reports?
12. How do you pin a visual to a dashboard from a report?
13. What is the mobile view in Power BI and why is it useful?
14. What is a paginated report in Power BI and when would you use it?
15. Can you export reports from Power BI Service to PDF or PowerPoint? How?
16. What does "Live Connection" mean in Power BI Service, and how does it work?
17. Explain Row-Level Security (RLS) and how it's applied in Power BI Online.
18. How can you test RLS roles in Power BI Service?
19. What are Apps in Power BI and how do you publish one?
20. What are some key benefits of using the Power BI Online Service in enterprise environments?

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

- *Desktop: Free application on your computer to create reports and models.*
- *Online Service: Cloud platform to publish, share, and collaborate on those reports.*

### *2. How to publish a Power BI report from Desktop to the Online Service*

- *Click Publish in Power BI Desktop → Sign in → Choose a workspace → Report uploads to Power BI Service.*

### *3. What is a workspace in Power BI? Types of workspaces*

- *A workspace is a container for dashboards, reports, datasets, and dataflows.*

- *Types: My Workspace (personal) and Shared/Collaborative Workspaces (team).*
- 4. Difference between a workspace and an app*
    - *Workspace: For building and editing content (team collaboration).*
    - *App: A packaged, read-only view of workspace content, shared with end-users.*
  - 5. Power BI license types and limitations*
    - *Free: Limited to personal use, no sharing.*
    - *Pro: Sharing, collaboration, publishing to app workspaces.*
    - *Premium (capacity or per-user): Dedicated capacity, large datasets, paginated reports, free users can view content if hosted on Premium.*
  - 6. Sharing with someone without a Pro license*
    - *You need Premium capacity workspace. Then free users can view reports shared with them.*
  - 7. Semantic model (dataset) and storage*
    - *A dataset is the model of your data (tables, relationships, measures).*
    - *Stored in the Power BI Service inside the workspace it was published to.*
  - 8. Scheduled Refresh in Power BI Online Service*
    - *Automatically updates datasets from source at set times. Needs correct gateway setup if data is on-premises.*
  - 9. Difference between dataset and dataflow*
    - *Dataset: Data model created in Desktop or Service, ready to build reports.*
    - *Dataflow: ETL (data prep) layer in the Service, reusable across datasets.*
  - 10. When/why use a dataflow instead of a dataset*
    - *Use dataflow when you want to prepare/clean data once and reuse across many datasets, ensuring consistency.*
  - 11. Dashboards in Power BI Online vs Reports*
    - *Dashboard: Single page, customizable, shows visuals from multiple reports/datasets.*
    - *Report: Multi-page, interactive, based on one dataset.*
  - 12. Pinning a visual to a dashboard*
    - *In a report, hover over a visual → Click Pin icon → Choose dashboard.*

*13. Mobile view in Power BI*

- *Custom layout of reports/dashboards for phones. Useful for easier viewing on small screens.*

*14. Paginated report and usage*

- *Pixel-perfect, printable reports (like invoices, forms). Used when you need fixed formatting, good for exporting.*

*15. Exporting reports from Service*

- *From report menu: Export → PDF or Export → PowerPoint (works for paginated and normal reports).*

*16. “Live Connection” in Power BI Service*

- *Reports connect directly to a dataset in the Service (no duplicate data). Changes in dataset reflect instantly in reports.*

*17. Row-Level Security (RLS)*

- *Restricts data shown based on user roles. Applied by defining filters in Desktop and assigning roles to users in Service.*

*18. Testing RLS roles in Service*

- *In the Service: Dataset → Security → Select role → Use “Test as role” to see filtered data view.*

*19. Apps in Power BI and publishing*

- *App: A packaged set of dashboards/reports from a workspace.*
- *Publish: From workspace → Click Publish App → Configure audience → Users get a read-only view.*

*20. Key benefits of Power BI Online Service in enterprise*

- *Collaboration, sharing, centralized governance, scheduled refresh, large capacity with Premium, secure data access (RLS), mobile access, and integration with Microsoft ecosystem.*

*There is no file and no exercise to create .pbix file in this homework.*