

1. How does Power BI handle large datasets in the Online Service, and what is the role of Premium Capacity in this? Power BI Online Service handles large datasets using in-memory compression (VertiPaq engine) in Import mode. Premium Capacity allows for higher dataset size limits (up to 400 GB), dedicated resources, more refreshes, and support for enterprise features.
2. What are the differences between Import mode, DirectQuery, and Live Connection in Power BI Service? - Import Mode: Fastest, stores data in memory. - DirectQuery: Queries live data source, slower. - Live Connection: Connects to SSAS, no modeling in Power BI.
3. Explain deployment pipelines in Power BI Online. What stages do they include? Deployment pipelines enable lifecycle management. Stages: Development, Test, Production. Each has its own workspace to ensure controlled promotion.
4. How can Power BI Service integrate with Microsoft Teams or SharePoint for collaboration? Power BI integrates with Teams (chat, embed reports) and SharePoint (embed using web part). Enhances collaboration within Microsoft ecosystem.
5. What is the XMLA endpoint in Premium and how does it benefit developers or enterprise BI teams? XMLA endpoint allows read/write access to datasets. Enables external tools, automation, CI/CD, and advanced modeling for enterprise teams.
6. Describe how usage metrics and audit logs work in Power BI Service. Usage metrics show user interaction data. Audit logs (via M365 compliance center) track actions like viewing/sharing for governance and security.
7. How do you manage workspace access and permissions for different users? Assign roles: Admin (full), Member (edit), Contributor (add/edit), Viewer (read-only). Roles manage collaboration within workspaces.
8. How can data governance be enforced in Power BI Service? Use sensitivity labels, certified datasets, audit logs, DLP policies, and tenant settings to ensure secure, compliant data use.
9. What are the limitations of Row-Level Security when using DirectQuery or Live Connection? DirectQuery: RLS works but may impact performance. Live Connection: RLS must be defined in SSAS; Power BI respects model-level security.
10. Explain how you can refresh a dataset via Power Automate or REST API. Power Automate: Use 'Refresh a dataset' action. REST API: Use POST request to dataset refresh endpoint with authentication and IDs.