

100+ Power BI Interview Questions for Recruiters

Questions

1. What is Power BI and what is it used for?
2. Can you explain the difference between Power BI Desktop and Power BI Service?
3. What are the different types of data sources that Power BI can connect to?
4. Explain the process of importing data into Power BI.
5. What is a Power BI report and how is it different from a dashboard?
6. What are visuals in Power BI? Give some examples.
7. How do you filter data in Power BI?
8. What is the purpose of the Power BI data model?
9. Explain the concept of relationships between tables in Power BI.
10. What are calculated columns and measures in Power BI? How are they different?
11. What is DAX in Power BI and what is it used for?
12. Give an example of a simple DAX expression.
13. How can you share a Power BI report with others?
14. What are workspaces in Power BI and what is their purpose?
15. How do you refresh data in Power BI?
16. What is Power BI Embedded?
17. Describe the steps to create a simple bar chart in Power BI.
18. What is the role of the Power BI gateway?
19. How can you improve the performance of a Power BI report?
20. What are some best practices for designing Power BI dashboards?
21. What is the difference between a Power BI Pro and a Power BI Premium license?
22. How can you implement row-level security in Power BI?
23. What are parameters in Power BI and how can they be used?
24. How would you handle a scenario where a Power BI report is performing slowly, and what steps would you take to identify the bottleneck?
25. Can you describe your experience with using DAX to create calculated columns and measures in Power BI, and provide an example of a complex calculation you've implemented?
26. Explain the difference between calculated columns and measures in Power BI, and when you would use one over the other.
27. How do you optimize a Power BI report for mobile viewing, considering different screen sizes and user interactions?
28. Describe your approach to implementing row-level security (RLS) in Power BI, and what considerations you make when defining roles and filters.
29. What are the different types of data refresh in Power BI, and how do you choose the appropriate refresh type for a given scenario?
30. How would you troubleshoot a Power BI report that is displaying incorrect data, and what steps would you take to identify the source of the error?
31. Can you explain how to use Power Query to transform and clean data from multiple sources before loading it into Power BI?
32. Describe your experience with creating and managing relationships between tables in Power BI, and how you ensure data integrity.
33. How do you use bookmarks and selections in Power BI to create interactive and dynamic reports?
34. Explain your understanding of the Power BI service architecture, including workspaces, datasets, and reports.
35. How do you approach designing a Power BI report to meet the needs of different stakeholders, considering their varying levels of technical expertise?
36. What strategies do you employ to ensure data quality and accuracy in Power BI reports, and how do you validate your results?
37. How do you use drill-through and drill-down features in Power BI to enable users to explore data at different levels of granularity?
38. Describe your experience with using custom visuals in Power BI, and how you would evaluate the suitability of a custom visual for a specific use case.
39. How do you integrate Power BI with other Microsoft products, such as Excel, SharePoint, and Teams?
40. Explain how to use parameters in Power BI to allow users to customize report filters and calculations.
41. How would you handle a situation where a Power BI report needs to be migrated to a different environment, such as from development to production?
42. Describe your experience with using the Power BI REST API to automate tasks and integrate Power BI with other applications.
43. How do you use the performance analyzer in Power BI to identify and resolve performance issues in your reports?
44. Explain how to use incremental refresh in Power BI to optimize the refresh process for large datasets.
45. Describe your experience with using the Power BI mobile app to view and interact with reports on mobile devices.
46. How do you use the Q&A feature in Power BI to allow users to ask questions about their data in natural language?
47. Explain how to use the AI visuals in Power BI, such as key influencers and decomposition tree, to gain insights from your data.
48. How do you use the Power BI dataflows to create reusable data preparation and transformation processes?
49. How do you monitor and maintain Power BI reports and dashboards to ensure they are performing optimally and meeting user needs?
50. What are some best practices for designing Power BI reports that are accessible to users with disabilities?
51. Walk me through the process of connecting to an on-premises data source from Power BI Service. What are the components involved?
52. Describe a time you had to implement a complex DAX formula involving multiple tables and relationships. What challenges did you face, and how did you overcome them?
53. Explain a scenario where you would choose a calculated column over a measure, and why?
54. How would you optimize a Power BI report that is performing slowly due to a large dataset?
55. Describe your experience with implementing row-level security in Power BI.
56. What are the key considerations when designing a Power BI data model for optimal performance?
57. How would you handle slowly changing dimensions in Power BI?
58. Explain how you would troubleshoot a DAX query that is returning unexpected results.
59. Describe your experience with using Power BI's performance analyzer.
60. How would you implement a solution to track user adoption and usage patterns within a Power BI report?
61. Explain the difference between incremental refresh and full refresh in Power BI, and when you would use each.
62. Describe a time when you had to work with a complex data source in Power BI, and how you overcame the challenges.
63. How would you handle data privacy concerns when building and sharing Power BI reports?
64. Explain your approach to version control for Power BI reports and datasets.
65. Describe your experience with integrating Power BI with other Microsoft services, such as Azure or Power Automate.
66. How would you design a Power BI report to be accessible to users with disabilities?
67. Explain how you would implement a custom visual in Power BI.
68. Describe a scenario where you would use the TREATAS function in DAX.
69. How would you handle a situation where the data in your Power BI report is inconsistent with the source data?
70. Explain your approach to testing and validating Power BI reports before deployment.
71. Describe your experience with using Power BI's AI features, such as Key Influencers or Decomposition Tree.
72. How would you optimize a Power BI report for mobile viewing?
73. Explain how you would implement a custom error handling mechanism in Power BI.
74. Describe your experience with using Power BI embedded.
75. How would you handle a situation where you need to combine data from multiple data sources with different granularities?
76. Explain your understanding of the VertiPaq engine and how it impacts Power BI performance.
77. Describe how you would implement a solution for users to provide feedback on Power BI reports.
78. How would you optimize a Power BI report that is performing slowly, and what are the key areas to investigate?
79. Describe a scenario where you would choose DirectQuery over Import mode, and what are the trade-offs?
80. Explain the difference between row-level security (RLS) and object-level security (OLS) in Power BI, and how would you implement them?
81. How can you implement a custom visual in Power BI, and what are the considerations for performance and security?
82. Describe your experience with Power BI Premium Capacity and its benefits for enterprise deployments.
83. How would you design a Power BI solution for a large dataset with millions of rows, considering scalability and performance?
84. Explain the use of deployment pipelines in Power BI and how they streamline the release process.
85. How do you monitor and troubleshoot performance issues in Power BI reports and dashboards?
86. Describe the process of integrating Power BI with other Azure services like Azure Synapse Analytics or Azure Data Lake Storage.
87. What are the best practices for version control and collaboration in Power BI development projects?
88. How can you implement advanced analytics techniques like forecasting or clustering in Power BI using DAX or R/Python?
89. Explain the concept of incremental refresh in Power BI and how it improves data refresh performance.
90. Describe a challenging data modeling scenario you have encountered in Power BI, and how you resolved it.
91. How would you implement a data governance strategy for Power BI deployments in an organization?
92. Explain the use of Power BI REST APIs for automating tasks and integrating with other applications.
93. How do you handle error handling and data quality issues in Power BI dataflows?
94. Describe your experience with using Power BI Embedded for integrating Power BI content into custom applications.
95. How would you optimize a complex DAX calculation for performance, and what tools or techniques would you use?
96. Explain the process of creating and managing workspaces in Power BI, and their role in collaboration.
97. How do you ensure data security and compliance when connecting Power BI to sensitive data sources?
98. Describe your approach to documenting Power BI solutions and ensuring maintainability.
99. What are the considerations for designing Power BI reports for mobile devices, and how do you optimize the user experience?