

Power BI Report Builder for Developers

Duration: 2 Days (8 hours/day)

Course Overview

Audience: .NET Developers, BI Developers, SQL Developers, Reporting Analysts

Tools Covered: Power BI Report Builder, SQL Server, DAX basics, Paginated Reports, Power BI Service

Prerequisites: SQL fundamentals, relational database concepts, basic Power BI understanding

Module 1 — Introduction to Power BI Report Builder

- What is Report Builder?
 - Paginated Reports vs Power BI Reports
 - Installing and setting up Report Builder
 - Overview of the interface
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Module 2 — Data Sources and Datasets

- Connecting to SQL Server
 - Creating data sources
 - Creating datasets
 - Writing basic SQL queries
 - Using stored procedures
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Module 3 — Creating Your First Report

- Adding tables (Tablix)
 - Displaying data
 - Formatting rows and columns
 - Adding headers and footers
 - Previewing reports
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Module 4 — Grouping and Totals

- Row grouping
 - Column grouping
 - Subtotals and grand totals
 - Sorting and filtering
 - Drilldown reports
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Module 5 — Report Parameters

- Creating parameters
 - Date range filters
 - Dropdown parameters
 - Cascading parameters
 - Dynamic filtering
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Module 6 — Charts and Visuals

- Column charts
 - Pie charts
 - Line charts
 - Gauges and KPIs
 - Formatting charts
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Module 7 — Expressions and Calculations

- Using expressions
 - Calculated fields
 - Conditional formatting
 - Date and string functions
 - NULL handling
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Module 8 — Interactive Reports

- Drillthrough reports
 - Toggle visibility
 - Navigation links
 - Subreports
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Module 9 — Exporting Reports

- Export to PDF
 - Export to Excel
 - Print settings
 - Page setup
 - Avoiding blank pages
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Module 10 — Publishing to Power BI Service

- Uploading reports
 - Managing workspaces
 - Gateway basics
 - Sharing reports
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Module 11 — Performance and Best Practices

- Optimizing queries
 - Improving report speed
 - Report design best practices
 - Common troubleshooting tips
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Module 12 — Real-Time Projects

- Sales invoice report
- Customer aging report
- Employee report

- Operational summary report
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Hands-On Practice

- Create tabular reports
 - Build grouped reports
 - Add parameters
 - Create charts
 - Publish reports
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Course Outcome

After completing this course, learners will be able to:

- Build paginated reports
- Create interactive reports
- Use parameters and expressions
- Export reports to multiple formats
- Publish reports to Power BI Service
- Develop real-world business reports