



MICROSOFT TRAINING

Power BI Report Server Language Course Tutorial

Master Power BI Report Server language to create, deploy, and manage interactive reports effectively.

DURATION

24 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level course, "Power BI Report Server Language Course Tutorial" from Microsoft, is meticulously designed for professionals aiming to master on-premises business intelligence reporting. It provides an in-depth exploration of Power BI Report Server, Microsoft's solution for hosting Power BI reports, mobile reports, and paginated reports within an organization's own data center. Participants will gain a comprehensive understanding of the architecture, deployment, and administration of Power BI Report Server, ensuring data sovereignty and seamless integration with existing on-premises data infrastructure.

The curriculum dives deep into the core languages and tools essential for report creation and management. You will extensively cover Data Analysis Expressions (DAX) for building sophisticated data models and measures in Power BI reports, and Power Query M for robust data transformation and preparation. Furthermore, the course provides hands-on experience with the Report Definition Language (RDL) as you learn to design and customize pixel-perfect paginated reports using Report Builder. Practical exercises will focus on creating, publishing, securing, and managing various report types within the Report Server environment.

Upon completion, participants will be highly proficient in developing and administering a secure, scalable on-premises reporting platform. This expertise translates directly into the ability to deliver critical business insights while adhering to strict data governance requirements, empowering organizations to make data-driven decisions securely and efficiently. This course is ideal for enhancing your skillset to meet the growing demand for hybrid cloud BI solutions.

Duration	24 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to Power BI Report Server

- Understanding Power BI Report Server Architecture and Components
- Power BI Report Server vs. Power BI Service: Key Differences
- Installation and Configuration Overview
- Integrating with SQL Server and Active Directory
- Navigating the Web Portal and Report Manager

02 Module 2: Developing Power BI Reports for On-Premises

- Power BI Desktop for Report Server Development
- Data Acquisition and Transformation using Power Query (M Language) for On-Premises Sources
- Advanced Data Modeling and Relationships Best Practices
- Optimizing DAX for Power BI Report Server Performance
- Creating Interactive Visualizations and Slicers

03 Module 3: Mastering Paginated Reports with Report Builder

- Introduction to Paginated Reports and RDL (Report Definition Language)
- Designing Pixel-Perfect Reports with SQL Server Report Builder
- Connecting to On-Premises Data Sources for Paginated Reports
- Implementing Parameters, Expressions, and Grouping
- Creating Subreports, Drill-Through Reports, and Charts

04 Module 4: Data Management and Security on Report Server

- Configuring Shared Data Sources and Datasets
- Managing Credentials and Data Gateway for On-Premises Access
- Understanding Report Server Security Roles and Permissions
- Implementing Row-Level Security (RLS) in Power BI Reports
- User and Group Management for Report Server Access

05 Module 5: Deployment, Management, and Monitoring

- Publishing Power BI and Paginated Reports to Report Server
- Scheduling Data Refreshes for On-Premises Power BI Datasets
- Creating and Managing Report Subscriptions
- Monitoring Report Server Performance and Usage
- Backup, Restore, and Disaster Recovery Strategies

06 Module 6: Advanced Topics and Troubleshooting

- Branding and Customizing the Power BI Report Server Web Portal
- PowerShell Scripting for Report Server Automation
- Integrating Reports with Custom Applications
- Common Troubleshooting Scenarios and Solutions
- Best Practices for Report Server Development and Administration

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **On-Premises Business Intelligence Developer: Specializing in the design, development, and deployment of Power BI and paginated reports specifically within an organization's internal server environments.**
- > **Report Server Administrator: Focused on managing the full lifecycle of Power BI Report Server infrastructure, including installation, configuration, performance optimization, data source management, and security.**
- > **Enterprise Data Analyst with Hybrid Reporting Expertise: Analysts who specialize in leveraging both cloud-based (Power BI Service) and on-premises (Power BI Report Server) solutions to provide comprehensive data insights across an organization.**

FREQUENTLY ASKED QUESTIONS

Q: How does this course specifically address the differences in report authoring and deployment between Power BI Report Server and the cloud-based Power BI Service?

This course meticulously distinguishes the development paradigms between on-premises and cloud solutions. You'll learn how to optimize Power BI reports for an on-premises environment, including specific DAX considerations, data source configurations, and features unique to Report Server. We also cover the deployment process, scheduling data refreshes, and security management that differ significantly from the Power BI Service, ensuring you can confidently build for and manage a robust on-premises reporting solution.

Q: What programming languages or query skills will I enhance or acquire to build complex reports for Power BI Report Server?

This course provides a deep dive into the essential languages required for Power BI Report Server. You will master Data Analysis Expressions (DAX) for creating complex measures, calculated columns, and tables within Power BI datasets, specifically tailored for on-premises deployment. Additionally, you will gain proficiency in Power Query M for robust data transformation and cleansing, and understand the Report Definition Language (RDL) for designing pixel-perfect paginated reports using Report Builder.

Q: What are the prerequisites for this course, and how will it prepare me to manage data access and security for on-premises reporting?

While an intermediate understanding of Power BI Desktop is beneficial, the course will cover specific aspects related to Report Server. It extensively prepares you for managing data access and security by covering shared data sources, embedded credentials, role-based security configurations within Power BI Report Server, and the implementation of Row-Level Security (RLS). You will also learn about integrating with Active Directory and managing user permissions effectively to ensure secure and controlled report consumption within your on-premises environment.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

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READY TO ENROL?

Take the next step in your technology career.

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