Data AI:
Reporting Services and Power BI Report Server

WorkshopPLUS	Duration: 3 days
Focus Area: Operations and Monitoring	Difficulty: 300-Advanced

Overview

This course will provide you the knowledge and tools necessary to understand the capabilities and usage of SQL Server Reporting Services and the Power BI Report Server. It will help you get familiar report design concepts and skills needed to develop Reporting Services Paginated, Mobile, and Power BI Reports.

This workshop is targeted at Report Designers, Analysts, Business Analytics Developers, and Data Engineers.

Objectives

After completing this training, students will be able to:

* Understand the types of reports and tools available in Reporting Services
* Learn how to installation and configure SSRS
* How to scale-out SSRS deployment
* Understand Power BI report development
* Understand key performance indicators (KPIs)
* Learn how to manage subscription
* Learn how to schedule reports

Key Takeaways

Course Material

* Gain a deeper understanding of creating, deploying, and managing reports for your organization, as well as programming features to extend and customize reporting functionality.
* Experience on how to create modern-looking reports with updated tools and new features, how to move to the cloud and new mobile reports.

Hands-on Labs

* Most of the concepts covered above will be supported by hands-on labs and demos.
* Attendees have access to resources and labs for up to 6 months after workshop completion.

Agenda

Day 1
* Introduction to Reporting Services
* Installation and Configuration

Day 2
* Paginated Reports
* Mobile Reports and KPIs

Day 3
* Power BI Reports
* Administration

Plan for three full days. Early departure on any day is not recommended.

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Course Details

Module 1: Introduction to Reporting Services

- What is SQL Server Reporting Services (SSRS)?
- Types of Reports
- Tools in Reporting Services

Module 2: Installation and Configuration

- SSRS Installation
- SSRS Configuration
- Configuration with External Catalogs
- Scale-Out Deployment Installation
- Administrative Tools

Module 3: Paginated Reports

- Paginated Reports
- Report Items
- Customizing Data Layout
- Report Style

Module 4: Mobile Reports and KPIs

- Key Performance Indicators (KPIs)
- Mobile Reporting
- Mobile Apps

Module 5: Power BI Reports

- Introduction to Power BI Report Development
- Develop Power BI reports
- Prepare data for Power BI reports
- Publish and Consume Power BI reports

Module 6: Administration

- Managing a Report Server
- Managing Reports
- Subscription and Delivery of Reports
- Scheduling Reports
- Managing Shared Datasets

Recommended Qualifications

- Understanding of the fundamentals of T-SQL.
- Some basic knowledge of the Microsoft Azure platform.

Hardware Requirements

- An Intel Core-i5-based PC
- USB port
- Microsoft/Windows Live ID to connect to the virtual environment
- 4 GB RAM
- 128 GB HDD
- Windows 7 SP1 or later
- Office 2013 Professional Plus
- Internet access with at least 1 Mbps bandwidth per student.

For more information

Contact your Microsoft Account Representative for further details.

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