KOENIG step forward

Microsoft Solutions Partner
Microsoft Cloud Training Services

KOENIG SOLUTIONS · COURSE OUTLINE

Course 55164-A: Quick Powerful Graphics with Power View, PowerPivot, Power Query, Power Map, and Power BI

Learn to visualise and analyse data using Power View, PowerPivot, Power Query, Power Map and Power BI.

6	39	31
MODULES	TOPICS	HANDS-ON LABS

COURSE OVERVIEW

This course covers Power View, including its interface, report visualisations, tables, aggregations, matrices, filters, charts and slicers. It then examines PowerPivot, covering data loading, relationships, calculated columns and fields, DAX functions, KPIs and hierarchies. It proceeds to Power Query for importing, cleaning and merging data, followed by Power Map for geocoded visualisations using Bing Maps. It concludes with an introduction to Power BI, covering its interface, data sources and natural language querying.

WHO THIS COURSE IS FOR

Data Analysts | **Business Intelligence Analysts** | **Report Developers** | **Excel Power Users** | **Data Visualisation Specialists**

LEARNING OBJECTIVES

- Explain the Power View interface and report visualisation options
- Apply filters, slicers and drill through in Power View reports
- Configure calculated columns and fields in PowerPivot
- Interpret DAX functions and KPIs within PowerPivot
- Import and clean data using Power Query
- Merge datasets using Power Query
- Examine map data and presentation types in Power Map
- Identify Power BI data sources and natural language querying

COURSE SYLLABUS

6 Modules, 39 Topics

01

Lab

Course Overview

This module explains how the class will be structured and introduces course materials and additional administrative information.

LESSONS

Introduction · Course Materials · Facilities · Prerequisites · What We'll Be Discussing

02

10 Labs

Power View

In this module, we will explore Power View and its capabilities, then briefly walk-through the types of reports available and how to format them.

LESSONS

- Exploring the Power View Interface
- Visualizing Power View Reports
- Working with Tables
- Understanding Aggregations
- Utilizing Matrix
- Configuring Drill Through
- Using Cards
- Applying Filters
- Creating Charts
- Examining Tiles
- Adding Slicers to Reports
- Theming Reports

03

11 Labs

PowerPivot

In this module, we will explore PowerPivot and its capabilities, then briefly walk-through the options available and how to configure them.

LESSONS

- Exploring the PowerPivot Interface
- Loading Data
- Examining Relationships
- Configuring Calculated Columns and Calculated Fields
- Creating PivotTables
- Understanding DAX
- Utilizing DAX Functions
- Using KPIs
- Working with Hierarchies
- Managing Perspectives

04

3 Labs

Power Query

In this module, we will delve into the benefits and features provided using Power Query. We will examine the options available within the ribbon, as well as explore and demonstrate importing, filtering, and merging data using Power Query.

LESSONS

Exploring The Power Query Interface · Loading Data · Managing Modifications · Examining Data Cleaning

05

4 Labs

Power Map

In this module we will explore Power Map and its capabilities.

LESSONS

Exploring The Power Map Interface · Using Bing Maps · Examining Map Data · Reviewing Map Types and Presentation

06

2 Labs

Introduction to Power BI

In this module, we will explore the Power BI interface and walk-through the options available.

LESSONS

Introducing Power BI · Explaining Excel and Power BI · Examining Data Sources · Querying with Natural Language

HANDS-ON LABS

Practise What You Learn

#	MODULE	ACTIVITY
01	**Course Overview**	Course Overview
02	**Power View**	■ Power View Interface ■ Working with Tables ■ Aggregations ■ Matrix ■ Drill Through ■ Cards ■ Filters ■ Charts ■ Tiles ■ Adding Slicers to Reports
03	**PowerPivot**	■ Introduction to the PowerPivot Interface ■ Importing Data ■ Importing Large Datasets ■ Importing Data with a Query ■ Creating Relationships ■ Creating a Cascading Relationship ■ Hiding Columns, Change Data Type, Sorting, and Filtering ■ Calculated Columns and Calculated Fields ■ KPIs ■ Hierarchies ■ Perspectives
04	**Power Query**	■ Getting External Data ■ Data Filtering ■ Merging Datasets
05	**Power Map**	■ View Power Map in Action ■ Geocoding ■ Tours, Scenes, and Layers ■ Adding Time
06	**Introduction to Power BI**	■ Introduction to Power BI ■ Data Sources

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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