

KOENIG SOLUTIONS · COURSE OUTLINE

Mastering Power Automate Cloud: Advanced Techniques for Streamlining Workflows

Learn to build advanced Power Automate flows using expressions, Adaptive Cards, approvals, error handling and Microsoft Graph API integration.

32 Hours

DURATION

11

MODULES

32

TOPICS

12

HANDS-ON LABS

COURSE OVERVIEW

The course comprises 32-hours of theory and labs and is divided into 11 different chapters. Each chapter will be followed by hands-on lab exercises to reinforce learning and gauge understanding of the topics covered.

WHO THIS COURSE IS FOR

This course is designed for experienced Power Automate users, business process automation specialists, IT professionals, and developers who want to deepen their understanding of advanced automation techniques

It is ideal for those looking to streamline complex workflows, integrate multiple systems, and optimize automation strategies for enterprise-level efficiency

LEARNING OBJECTIVES

The objective of this course is to provide participants with advanced knowledge and hands-on experience in designing, implementing, and optimizing complex workflows using Power Automate. Participants will learn how to leverage advanced expressions, error handling, API integrations, and governance best practices to enhance automation efficiency.

- Design and implement advanced workflows using custom connectors, expressions, and data manipulation techniques to automate complex business processes
- Integrate Power Automate with external APIs and enterprise applications to create seamless, automated solutions across multiple platforms
- Optimize, monitor, and troubleshoot workflows by applying best practices in performance tuning, error handling, and governance for scalable automation solutions

11 Modules, 32 Topics

01

Lab

Power Automate Fundamentals

TOPICS

Dynamic content and expressions

02

Lab

Variables, Conditions, and Loops

TOPICS

Working with variables · Conditional statements ·
Looping statements

03

Lab

Functions and Expressions

TOPICS

Expression basics · Anatomy of a function · Advanced
expressions · Expression editor · Functions ·
Expressions or actions

04

Lab

Adaptive Cards

TOPICS

Introduction to Adaptive Cards · Adaptive Cards
designer · Using an Adaptive Card

05

Lab

Advanced Control Properties and OData

TOPICS

Introduction to OData · Common advanced settings ·
Advanced trigger settings

06

Lab

Advanced Approvals

TOPICS

Approval options · Custom responses · Approval
limitations · Adding reminders to approvals ·
State pattern

07

Lab

SharePoint HTTP Action

TOPICS

Making an HTTP request to SharePoint

08

Lab

Power Apps Integration

TOPICS

The flow · Calling the flow from Power Apps ·
Capturing returned data

09

Lab

Best Practices and Error Handling

TOPICS

Documentation · Optimizing flows · Keep flow
configurations generic · Handling errors

10

2 Labs

Parent and Child Flows

TOPICS

Parent / Child flows general principle · Using
a Solution

Microsoft Graph API

TOPICS

Introduction to the Microsoft Graph API

HANDS-ON LABS

Practise What You Learn

#	MODULE	ACTIVITY
01	Power Automate Fundamentals	Lab 01 - Preparation tasks
02	Variables, Conditions, and Loops	Lab 02 - Conditions and loops
03	Functions and Expressions	Lab 03 - Functions and expressions
04	Adaptive Cards	Lab 04 - Adaptive Cards
05	Advanced Control Properties and OData	Lab 05 - Advanced properties Edit and test recorded actions
06	Advanced Approvals	Lab 06 - Advanced approvals
07	SharePoint HTTP Action	Lab 07 - SharePoint HTTP action
08	Power Apps Integration	Lab 08 - Working with Power Apps
09	Best Practices and Error Handling	Lab 09 - Handling errors
10	Parent and Child Flows	■ Lab 10a - Child flows: HTTP action ■ Lab 10b - Child flows: solutions
11	Microsoft Graph API	Lab 11 - Using the Microsoft Graph API

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

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Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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