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Supercharged Power Automate

Automate Workflows & Integrate with Apps in 2 Days

FA-0430 · 2 Days

Automation, RPA & Power Platform

Introduction

From trigger to execution - build end-to-end workflows and embed them in apps for real business impact.

This focused two-day course will equip you to leverage Microsoft Power Automate as a strategic tool to automate workflows, integrate systems and embed automation into business solutions. Your instructor brings over 30 years of industry experience and will guide you through real-world scenarios, not just academic examples. We'll cover the latest 2025 enhancements such as AI-assisted flow building, multimodal triggers, enterprise-grade governance and seamless integration with Microsoft Power Apps. By the end of the course you'll be able to build, deploy and maintain automation that drives measurable value.

Learning outcomes

By the end of this course, participants will be able to:

- Understand the automation ecosystem of Power Automate including cloud flows, desktop flows (RPA) and process mining.
- Design and build workflows triggered by business events, schedule tasks, and integrate multiple systems and services.
- Leverage the latest 2025 enhancements (AI-First flows, Copilot suggestions, process map diagnostics - provided license permits) to accelerate automation.
- Embed flows into Power Apps so that apps trigger automation and automation feeds data back to apps.
- Implement error-handling, monitoring, governance, environment management and ROI tracking for automation at scale.

- Translate business cases into automation solutions, deploy them, and measure outcomes (time, cost, error reduction).

Prerequisites

Participants should have:

- A working familiarity with Microsoft Power Apps (canvas or model-driven) - the ability to build basic screens, controls and data integration in Power Apps.
- Basic understanding of business processes (e.g., approvals, notifications, data movement) and data structures.
- Access to a Power Platform environment with Power Automate and relevant connectors (Microsoft 365, SharePoint, Dataverse, etc.).
- A laptop ready to build flows and apps, and willingness to engage in hands-on exercises.

Training outline

1. Overview of Power Automate Ecosystem

1. Types of flows: Automated cloud flows, instant flows, scheduled flows, desktop flows (NOT a port of the curriculum)
2. Architecture: connectors, gateways, environments, licensing implications
3. 2025-era enhancements: AI-first automation, generative actions, process mining, self-healing flows.
4. Business value scenarios: approvals, notifications, data sync, repetitive task elimination.

2. Triggers, Actions & Connectors

1. How to select and configure triggers: when an item is created, when a button is pressed in Power Apps, scheduled runs
2. Connectors library overview: Microsoft 365 services (Teams, Outlook, SharePoint), Dataverse, third-party services
3. Building actions: data operations, control actions (apply to each, conditions), approvals, sending emails/Teams messages
4. Best practices for reuse, naming conventions, versioning.

3. Flow Design, Logic & Error Handling

1. Designing robust flows: branching, scopes, error handling, retries
2. Using variables, composing JSON payloads, dynamic content, expressions

3. Monitoring and diagnostics: run history, analytics, logs, process map insights.
4. Performance and scalability considerations: limiting loops, managing large data sets, delegation issues.

4. Embedding Flows in Power Apps

1. How to call a flow from Power Apps (button press, item update) and return results
2. Passing data between app and flow: parameters, outputs, error feedback
3. Use-case: user fills form in Power Apps → flow sends email and logs record → app presents status
4. Best practices for triggered flows vs reactive flows in apps.

5. Governance, Deployment & ROI Measurement

1. Environment strategy: development, test, production; solution packaging; ALM practices
2. Security and compliance: data loss prevention (DLP), connection management, approvals.
3. Measuring impact: using built-in metrics to quantify time and cost savings from automations.
4. Change management and user adoption: how to roll-out flows, train users, monitor use.

6. Hands-On Workshop & Capstone Flow Project

1. Scenario: You receive a business requirement (e.g., service request submission via Power Apps, auto-assigning, notifying team, logging to Dataverse)
2. Phase 1: Design the flow architecture, define triggers/actions, map to app.
3. Phase 2: Build and test the flow, integrate with an existing Power Apps front-end.
4. Phase 3: Add error-handling, monitoring, notifications. Deploy the flow and present how it works and the business benefit.
5. Peer review and instructor feedback: discuss logic, efficiency, integration quality and governance considerations.

7. Wrap-Up & Next Steps

1. Review of key take-aways and learning outcomes
2. Discussion of advanced topics: AI-augmented flows, full robotic process automation, embedding flows in Power BI dashboards, advanced connectors
3. Personal action plan: how participants will apply Power Automate in their roles or organisation
4. Q&A and open forum for participant questions and further learning pathways.

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