

PL-500: Power Automate RPA developer (Course Outline)

Module 1: Get started with Power Automate for desktop

Get started with Power Automate for desktop by learning about flows, creating automated steps, and flow development essentials.

Lessons –

- Introduction to Microsoft Power Platform
- Take your first steps with Power Automate for desktop
- Power Automate for desktop development essentials

Module 2: Automate processes with Robotic Process Automation and Power Automate for desktop

Work with Power Automate for desktop to record Windows and Web applications, but also use out of box actions such as manipulating Excel documents as part of an end to end invoice processing solution.

Lessons –

- Build your first Power Automate for desktop flow
- Define input and output parameters in Power Automate
- Integrate desktop flows with Outlook connector in Power Automate for desktop
- Connect a cloud flow to desktop flows in Power Automate for desktop
- Use AI builder to process invoice forms in Power Automate
- Use the Teams connector in Power Automate
- Run a Power Automate for desktop flow in unattended mode
- Optimize your business process with process advisor

Module 3: Work with Power Automate for desktop

Work with Power Automate for desktop options, flows, recording features, conditions, loops, variables, images, and error and exception handling.

Lessons –

- Handle variables in Power Automate for desktop
- Automate repetitive tasks using loops in Power Automate for desktop
- Adjust process behavior using conditional actions with Power Automate for desktop

- Configure flow control in Power Automate for desktop
- Generate Power Automate for desktop flows by recording
- Configure exception and error handling in Power Automate for desktop

Module 4: Work with different technologies in Power Automate for desktop

Learn how to automate email handling, Excel, user interface, and system services with Power Automate for desktop.

Lessons –

- Control file and folder handling in Power Automate for desktop
- Web automation in Power Automate for desktop
- Use Power Automate for desktop to interact with windows and applications
- Excel automation in Power Automate for desktop
- Automating email handling in Power Automate for desktop
- Automate system, workstation, and services actions in Power Automate for desktop

Module 5: Implement advanced logic in Power Automate for desktop

Learn how to work with system flows, control flows, mimic mouse actions, as well as operations used to manipulate text, date, and time in Power Automate for desktop.

Lessons –

- Communicate using message boxes in Power Automate for desktop flows
- Configure flow control in Power Automate for desktop
- Text manipulation in Power Automate for desktop
- Simulate mouse and keyboard actions by using Power Automate for desktop

Module 6: Build expertise with Power Automate for desktop

Learn how to use Power Automate for desktop to work with Power Automate, OCR technologies, and scripting.

Lessons –

- Combine Power Automate desktop with cloud flows
- Database handling in Power Automate for desktop
- Active Directory handling in Power Automate for desktop
- Scripting in Power Automate for desktop
- OCR technologies in Power Automate for desktop

Module 7: Build custom connectors for Power Automate

This Learning Path explores custom connectors and explains how to configure them and use them with Microsoft Power Automate

Lessons –

- Get started with custom connectors for Power Automate
- Configure custom connectors with authenticated APIs in Power Automate

Module 8: Use best practices to secure and govern Microsoft Power Platform environments

This module focuses on introducing Microsoft Power Platform environments and their role in creating Data Loss Prevention (DLP) policies by using examples and use cases. A brief introduction and overview of tools will also be discussed, including Microsoft Power Platform and Power Automate Admin experiences and Microsoft Power Platform Center of Excellence (COE) toolkit.

Lessons –

- Introduction to Microsoft Power Platform security and governance