Power Automate Developer

Agenda

# Prerequisites

* Power Apps or Power Automate per user (or Premium) license,
* Microsoft Office 365 (email, OneDrive for Business),
* Read/write access to a SharePoint folder,
* An environment with a Microsoft Dataverse database,
* A table the business process flow is associated with, e.g. D365 CE with demo data deployed,
* Basic knowledge of how to customize D365 CE applications

# Modules

1. [Get started with Power Automate - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/modules/get-started-flows/)
   1. Introducing Power Automate
   2. Exercises:
      * 1. [Exercise - Create recurring flows](https://learn.microsoft.com/en-us/training/modules/get-started-flows/6-flow-scheduled-flows), solution: Labs\001\_Create\_a\_recurring\_flow\001\_Create\_a\_recurring\_flow\_20241216150154.zip
      1. [Exercise - Monitor incoming emails](https://learn.microsoft.com/en-us/training/modules/get-started-flows/flow-monitor-incoming-emails), solution: Labs\002\002\_OutlookAttachmentsToSharepoint\_20241216174650.zip
      2. [Exercise - Share flows](https://learn.microsoft.com/en-us/training/modules/get-started-flows/8-flow-share-flows)
         1. Demo, switch to another user.
   3. Troubleshooting flows
2. [**Build approval flows with Power Automate**](https://learn.microsoft.com/en-us/training/modules/build-approval-flows/)
   1. Exercises:
      1. [Exercise - Build an approval request](https://learn.microsoft.com/en-us/training/modules/build-approval-flows/2-create-approval-request)
         1. Labs\004\004\_AprovalWorkflow\_20241216192028.zip
      2. [Exercise - Create a business process flow](https://learn.microsoft.com/en-us/training/modules/build-approval-flows/5-create-business-process-flow)
         1. Labs\005\rdu\_pow\_automats\_demo\_1\_0\_0\_1.zip
      3. [Exercise - Create a business process flow that has conditions](https://learn.microsoft.com/en-us/training/modules/build-approval-flows/6-branching)
         1. Labs\006\rdu\_bpf\_car\_sales\_process\_1\_0\_0\_2.zip
3. [**Build flows to manage user information**](https://learn.microsoft.com/en-us/training/modules/manage-user-information/)
   1. Exercises:
      1. [Exercise - Build a flow that uses information like locations or date](https://learn.microsoft.com/en-us/training/modules/manage-user-information/2-tokens)
      2. [Exercise - Build a flow accepts user input when run](https://learn.microsoft.com/en-us/training/modules/manage-user-information/3-user-input)
      3. [Exercise - Create a flow that blocks time on your calendar](https://learn.microsoft.com/en-us/training/modules/manage-user-information/4-store-documents)

1. [**Power Automate's deep integration across multiple data sources**](https://learn.microsoft.com/en-us/training/modules/multiple-data-sources/)
   1. Exercises
      1. [Exercise - Build a flow that runs when an event in Dynamics 365 occurs](https://learn.microsoft.com/en-us/training/modules/multiple-data-sources/2-event)
      2. [Exercise - Build a flow that uses SQL](https://learn.microsoft.com/en-us/training/modules/multiple-data-sources/3-sql)
      3. [Exercise - Integrate Power Apps, Power Automate, and SharePoint](https://learn.microsoft.com/en-us/training/modules/multiple-data-sources/4-integrate)
      4. [Exercise - Monitor flows](https://learn.microsoft.com/en-us/training/modules/multiple-data-sources/5-monitor)
2. [**Use the Admin center to manage environments and data policies in Power Automate**](https://learn.microsoft.com/en-us/training/modules/administer-flows/)
   1. Administer flows
   2. Export and import flows
   3. Distribute button flows
3. [**Use AI Builder in Power Automate**](https://learn.microsoft.com/en-us/training/modules/ai-builder-power-automate/)
   1. [Introduction to AI Builder usage in Power Automate](https://learn.microsoft.com/en-us/training/modules/ai-builder-power-automate/1-introduction/?ns-enrollment-type=learningpath&ns-enrollment-id=learn-bizapps.automate-process-using-flow)
   2. Exercises:
      1. [Exercise - Create a flow to route Helpdesk requests to different mailboxes based on language](https://learn.microsoft.com/en-us/training/modules/ai-builder-power-automate/exercise/?ns-enrollment-type=learningpath&ns-enrollment-id=learn-bizapps.automate-process-using-flow)
      2. [Exercise - Use AI Builder actions in Power Automate](https://learn.microsoft.com/en-us/training/modules/ai-builder-power-automate/3-ai-builder-actions/?ns-enrollment-type=learningpath&ns-enrollment-id=learn-bizapps.automate-process-using-flow)
4. [**Optimize your business process with process advisor**](https://learn.microsoft.com/en-us/training/modules/business-process-optimization-process-advisor/)
   1. [Get familiar with process advisor](https://learn.microsoft.com/en-us/training/modules/business-process-optimization-process-advisor/2-get-familiar/?ns-enrollment-type=learningpath&ns-enrollment-id=learn-bizapps.automate-process-using-flow)
   2. Work with recordings

# References

[Automate a business process using Power Automate - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/paths/automate-process-power-automate/)

[Create and Manage Automated Processes by using Power Automate SC-5002 - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/paths/create-manage-automated-processes-by-using-power-automate/)

[Power Automate: Automation - Online Workshop - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/paths/robotic-process-automation-online-workshop/)

[Integrate Power Automate flows and Dataverse - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/paths/integrate-dataverse-power-automate/)

[Start using buttons in Power Automate - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/paths/get-started-power-automate-buttons/)

[Integrate SharePoint and Power Automate - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/paths/integrate-power-automate/)

[Share and collaborate with Power Automate - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/paths/share-collaborate-power-automate/)

[Build custom connectors for Microsoft Power Platform - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/paths/build-custom-connectors/)

[Integrate finance and operations apps with Microsoft Power Platform - Training | Microsoft Learn](https://learn.microsoft.com/en-us/training/paths/integrate-finance-operations-apps-power-platform/)