Microsoft Power Automate RPA Developer

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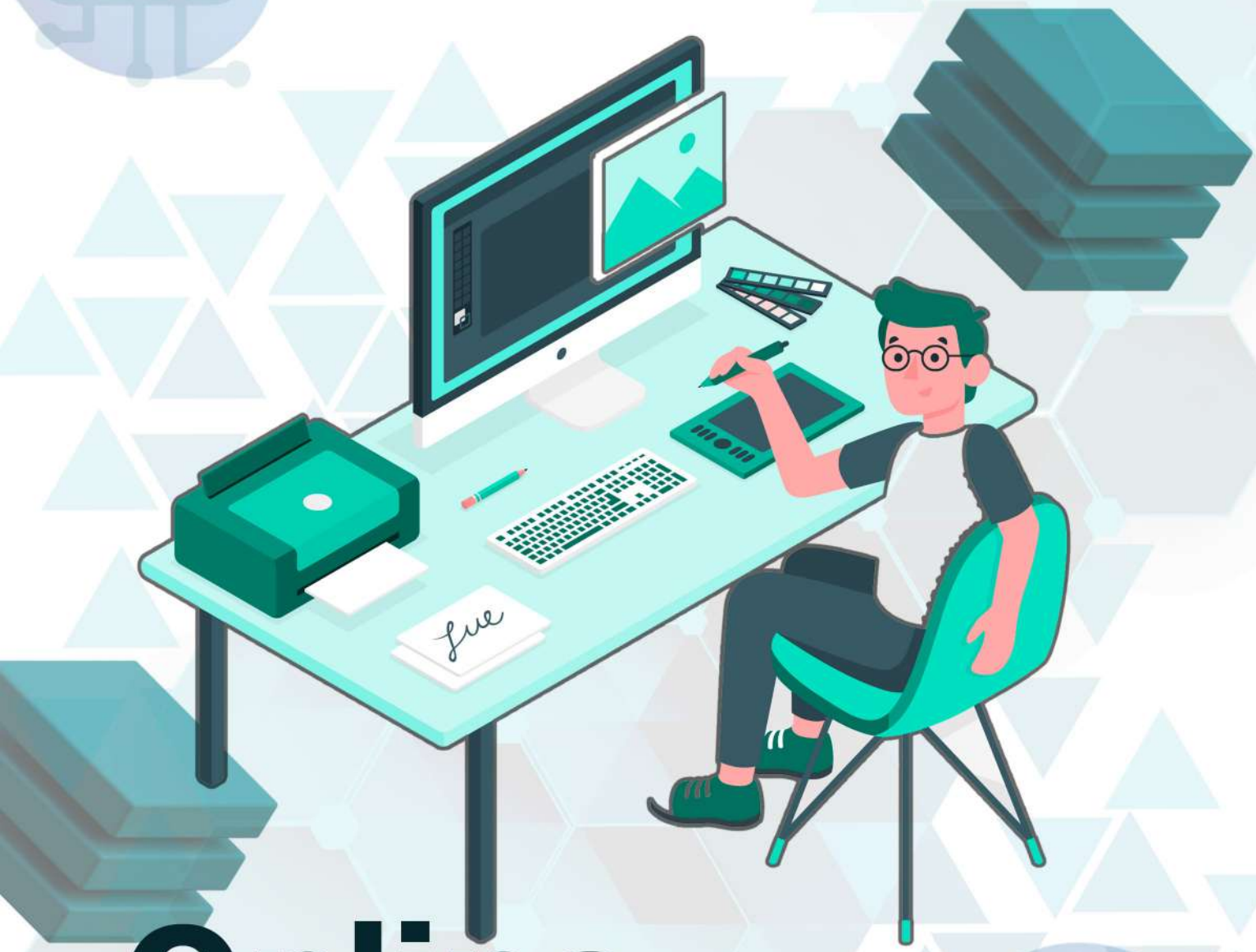

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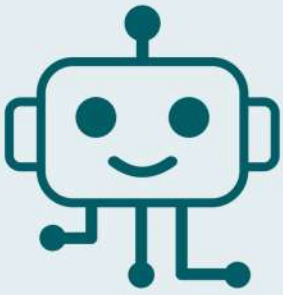
Course Modules



1. **Design automations**

Describe Power Automate features and capabilities

- Identify the Power Automate ecosystem and offerings
- Diff among cloud flows, & desktop flows, & bsns procss flows
- Desktop flow or a cloud flow, and when to use them together
- Identify the different trigger types for cloud flows
- Considerations to run cloud and desktop flows concurrently
- IConsiderations to run desktop flows attended vs unattended
- Differentiate HTTP actions in cloud and desktop flows

Work with other Microsoft Power Platform offerings

- Canvas apps and model-driven apps work with automation
- Conctr, custom Conctr, conctn ref, & conctn for cloud flows
- Identify use cases for Microsoft Dataverse

Record and analyze processes

- Create processes in Process Advisor
- Identify the steps for Process mining
- Identify the steps for Task mining
- Identify the use cases for Process Advisor

Identify how to analyze and enhance data and documents

- MS AI options for process docin desktop and cloud flows
- MS AI options for processing data in desktop and cloud flows
- Identify optical character recognition (OCR) capabilities
- Identify use cases for the Document Automation Toolkit

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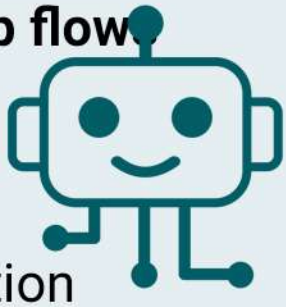
Identify use cases for scripting languages in desktop flows



- Identify use cases for scripting languages
- Application-specific macro languages
- Identify use cases for using JavaScript
- Use the document object model (DOM) in automation

2. Develop automations

Create and manage cloud flows

- Create a cloud flow
- Create a cloud flow that calls a desktop flow
- Create and use child cloud flows
- Perform actions in cloud flows by calling external APIs
- Configure filter conditions and concurrency in cloud flows
- Configure timeout and retry policies in cloud flows
- Implement data objects in cloud flows
- Identify common processes for parsing text
- Configure cloud flow action to run Microsoft Office Scripts

Create and manage desktop flows

- Desktop flows to launch, connect to,& authenticate target app
- Configure user interface (UI) options
- Config datatables, lists, and custom objects in desktop flows
- Implement subflows in desktop flows
- Add desktop actions to exit from target applications
- Perform actions in desktop flows by calling external APIs
- Configure timeout and retry in desktop flows
- Implement data objects in desktop flows
- Identify common processes for parsing text

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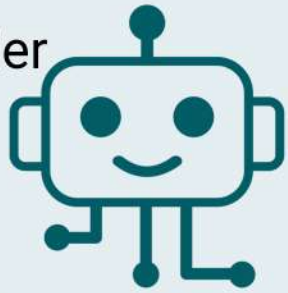
Implement logic in cloud and desktop flows

- Configure flow control in cloud and desktop flows
- Configure expressions in cloud flows
- Configure variable actions for cloud and desktop flows
- Confi secure input &voutput data in actions in cloud flows
- Configure secure variables in desktop flows
- Configure priority for desktop flows in a queue
- Exception handling blocks in cloud & desktop flows
- Error handle routines in cloud & desktop flows
- Configure document processing by using AI Builder



Create and configure custom connectors

- Create a custom connector
- Implement authentication for custom connectors
- Identify custom connector policy templates
- Write code in a custom connector

Manage automation infrastructure

- Configure credential management
- Connect cloud flows to on-premises data
- Create and manage components in MS Dataverse soln

Test automations and finalize development efforts

- Run and test a cloud flow
- Run and test a desktop flow
- Manage config by using envmt variables and config files
- Debug soln by using Power Automate cloud & desktop flows

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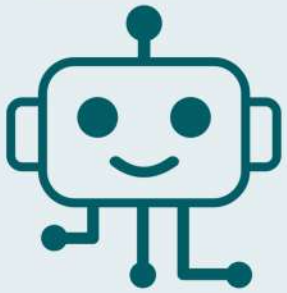
3. Deploy and manage automations

Prepare target environments

- Microsoft Power Platform app lifecycle management (ALM)
- Differentiate credentials used for different environments
- Deploy RPA solutions to other environments
- Virtual desktop envmt for unattended desktop flow execution

Evaluate data loss prevention (DLP) policies for RPA execution

- MS Power Platform data loss prevention (DLP) policies
- How DLP policies impact actions in cloud and desktop flows
- Identify how DLP policies apply to custom connectors



Manage access to RPA components

- Share a cloud flow
- Share a desktop flow
- Share machines and machine groups
- Security roles required to run & monitor cloud & desktop flows
- Create service accounts and service principals

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Configure machine groups and queues required

- Capabilities of machines and machine groups
- Manage machine registrations
- Create and manage machine groups
- Implement load balancing of desktop flows
- Work with queues and queue operations for desktop flows
- Evaluate cloud and desktop flow run history

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