

UiPath - Robotic Process Automation – Level 1

(3 Days)

What you'll learn :

- Install UiPath Studio on WINDOWS (there is no Mac version)
- Understand how to add logic to software robots
- Install packages for automating specific targets • Use "exception handling" to gracefully handle errors
- Understand the UI & tool windows • Schedule robot execution using Orchestrator
- Understand the most important RPA activity types

Requirements

- A modern WINDOWS computer with Internet connection (UiPath has no Mac version)
- Be familiar with the roles that MS Excel spreadsheets, MS Word, websites, and software applications fill in daily business life
- Ideally take the "RPA Overview" course to get a clear idea of the RPA big picture
- Take the "RPA Tech Primer" course before or in parallel if you have weak tech skills

Overview

- Introduction to RPA
- Why UiPath?
- Free Version of UiPath
- Install UiPath Studio
- Install Important Packages
- Examine the installed Activities
- Set up browsers
- Renewing a community edition license

Orientation

- Overview
- Create new projects
- Open & copy existing projects
- Project & tool windows tour

Basic UiPath Skills

- Overview
- Quick tour of all activities
- Sequences and Flowcharts
- Display a message box
- Logging to the output window
- Open and read a text file
- Use a loop to repeat work
- Send email

Using Variables

- Overview
- Using the Variables pane
- Browsing for special variable types
- Using the "Assign" Activity
- Variables as the output of activities
- Variable scope

Control Flow & Error Handling

- If/Else: Making a choice
- Flowchart decision diamond
- Switch: Handling many choices
- Flow Switch: Handling many choices
- Try/Catch intro - Catch an exception
- Create & throw a new exception

Orchestrator

- Orchestrator overview
- Create an Orchestrator account
- Login, setup, and tour the UI
- Connecting a robot
- Create an environment and associate the robot
- Publish a package
- Create a process from the package
- Run an attended robot and examine logs
- Fix the robot and re-publish
- Schedule and run an unattended robot
- Assets: overview & creation
- Assets: consuming from a robot
- Robot-level input parameters
- Pause an attended robot (v2018.4+)

Web Browser Automation Basic

- Create the assets & project
- Retrieve the assets
- Open and close the browser
- Login and logout
- Perform a search
- Enabling pop up windows

Workflows

- Overview
- Create a reusable/shareable workflow
- Pass data into a reusable workflow
- Get data out of a reusable workflow
- "Extract" a workflow

Data Tables & Excel Automation Basics

- Overview
- Tour of data table activities
- Create a data table
- (v2018.3 +) Edit data table columns!
- Add data table rows
- Loop through the rows of a data table
- Query the table
- Delete a data table row (difficult!)
- Excel/worksheet activity overview
- Read worksheet into a data table
- Write data table into a worksheet
- Append data table into a worksheet
- Read and write worksheet CELL data
- Read range, transform table, and write range

Mainframe Automation Basics

- Mainframe intro
- Mainframe automation