

**UiPath DevOps**

**Course Number:** RPA-120
**Duration:** 5 days

**Overview**

This UiPath DevOps training course teaches attendees how to implement RPA (Robotic Process Automation) solutions in an Agile manner, leveraging Azure DevOps for Source Code Control (GIT) and managing backlogs through Work Items, Sprint Planning, and Continuous Integration/Continuous Delivery (CICD).

**Prerequisites**

Students must have taken Accelebrate's [UiPath Foundation training](file:////training/uipath-foundation) and [Advanced UiPath training](file:////training/uipath-advanced) or have equivalent prior experience as UiPath developers.

**Materials**

All RPA training students receive comprehensive courseware.

**Software Needed on Each Student PC**

For virtual classroom sessions:

* Prior to the course, Accelebrate will provide a virtual learning platform (Zoom).
* An email with detailed instructions will be sent in advance.
* Access to an internet connection is essential.
* A headset with a microphone is recommended for the session.

**Objectives**

* Implement RPA solutions in an Agile-oriented fashion
* Use the Azure DevOps toolchain to accelerate delivery
* Break down RPA solutions into Azure DevOps Work Items, planned through Sprints, managed via Git, and deployed using Azure Pipelines for CICD
* Track progress through dashboard analytics
* Incorporate best practices and standards for devising RPA solutions that not only adhere to industry best practices, but also TQA standards and methodologies

**Outline**

* Introduction to Agile for RPA
	+ What is Agile Delivery?
	+ Applying Agile principles to RPA
	+ Working iteratively
* Key Concepts of Agile Delivery
	+ What are Sprints and Increments?
	+ Backlog
	+ Sprint Events
	+ Story Points and why we use them
	+ MVP
* Azure DevOps Overview
	+ What is Azure DevOps?
	+ Dashboards
	+ Boards
	+ Repos
	+ Pipelines
	+ Other features
* Process Structure Overview & Work Item Breakdown
	+ How do we structure UiPath Processes
	+ Layers
	+ Work Items for RPA
	+ Designing and breaking down RPA solutions with Work Items
* Sprint Planning and Estimations
	+ How and why do we estimate using Story Points?
	+ Time-based estimations
	+ Applying estimations to Sprints
	+ Sprint planning
* Process Configuration and Source Code Control
	+ What are Components?
	+ Building Components
	+ Library Projects
	+ Best practices for designing and building Components
	+ Managing Library Projects through Source Code Control with GIT
	+ Process Projects
	+ Library Projects versus Process Projects
	+ Best practices for designing and building Process Projects
	+ Managing Process Projects through Source Code Control with GIT
* Process Deployment through Continuous Integration and Continuous Delivery (CICD)
	+ What is CICD?
	+ Using CICD
	+ Applying CICD to Component Libraries and Process Projects
* Conclusion