

training code: RPA_DEV / ENG DL 3d / EN

Robotic Process Automation Developer





Purpose of the training

- Software developers who want to expand their programming knowledge with RPA technology
- IT specialists who want to learn the principles of RPA development implementation in order to independently create software robots
- Specialists of business departments intending to automate their processes in RPA technology



Benefits of completing the training

- Understanding Robotic Process Automation technology in the area of development, implementation and maintenance of enterprise robotization
- Retail knowledge of UiPath features
- Programming robots according to established business requirements (simulation of real business processes and their automation)
- Learn how to handle exceptions and unforeseen situations
- Stabilization of software robots
- Gain knowledge in the organization of the enterprise robotization project



Expected Listener Preparation

Fundamentals of RPA, RPA Foundation Training finished



Training Language

• Language: English



• Materials: English



Duration

3 days / 21 hours

Training agenda

- 1. Introduction to UiPath
- 2. UiPath Documentation
- 3. Variables, data types
 - Introduction
 - Theoretical basis
 - Practical examples
- 4. Introductions to flow recording notation
- 5. Introduction to flow control
 - Conditional statements
 - Loops
 - Flow organization types
 - · Advanced control flow
- 6. Data manipulation
 - Scalar variables, collections, tables
 - Text suport
 - Data collection and submission
- 7. Recording
 - Basic and desktop recording
 - Record online
- 8. Advanced interaction with the user interface
 - Interaction methods (both input and output)
 - Screen parsing
 - Parsing data
- 9. Selectors
 - Selectors Introduction
 - Define selectors
 - · Dynamic selectors



10. Automate image and text

- Image-based automation: Basic Citrix and RDP recording
- · Automate with images
- · Keyboard automation
- Data extraction
- OCR engines

11. Advanced Citrix-based automation

12. Excel and data tables

- Basic interactions
- · Data processing

13. Pdf document processing

- · Extract data from a PDF
- Extract a single piece of data

14. Automate email

- Interact with emails
- Send an e-mail message

15. Debugging and exception handling

- UiPath Debugging Tools
- · Troubleshoot data entry
- Exception capture
- Business exceptions

16. Robot orchestration

- How to deploy and run a process
- How to publish workflow
- How to create an environment
- Job scheduling
- How the task queue works, handling pending tasks, canceling and terminating tasks
- · How to monitor all robots recorded in Orchestrator
- How error messages are forwarded
- What are UiPath Orchestrator resources
- How to store credentials in Orchestrator
- What are Orchestrator gueues
- · How to use queues to work with lists of items supported by multiple robots
- How to add items to gueues and how to receive transactional items

17. Project organization

- Introduction to project organization
- Basic good practices
- Example of a project organization
- Project organisation Summary