UiPath-ADPv1

UiPath Certified Professional Automation Developer Professional

Exam Description Document

IMPORTANT ALERT

We are continuously monitoring Internet activities for any signs of cheating or misguided information. We are aware that there are a large number of websites who are **selling fake exams** and charging substantial prices for them. We will take immediate action if we find that the real exams have been compromised. **Please do not spend money or rely on such cheat sites.**

Introduction

UiPath Certified Professional Automation Developer Professional is expected to have a proven understanding and extensive hands-on experience with UiPath technologies such as Studio, Robots, and Orchestrator and the ability to independently build or lead production level automations in the Robotic Enterprise Framework.

The Automation Developer Professional Certification is targeted to assess a deeper level of knowledge and skills for designing and independently developing complex Automation solutions in the Robotic Enterprise Framework.

UiPath Certified Professional Automation Developer Professional is a credential that represents a deeper level of expertise for roles such as Advanced Automation Developers, Solution Architects, Automation Architects, and others.

Target Audience

The target audience for the UiPath Automation Developer Professional Exam includes:
- Automation Developers
- Roles requiring Automation Developer expertise such as Automation Architects, Solution Designers, Automation Engineers, Solution Architects, Process Automation Architects, etc.

Minimally Qualified Candidate

The Minimally Qualified Candidate (MQC) is an individual with the following:
- 12+ months experience as an Automation Developer

- Preferably completed formal training at an Advanced level with extensive hands-on experience

- Technically proficient and possesses the knowledge/skills to work independently

Products

Products covered on the exam include:
- UiPath Studio version 2023.10
- UiPath Robots version 2023.10
- UiPath Orchestrator version 2023.10

Exam questions are based on Modern Design Experience.

Exam Domains/Exam Sections

The Automation Developer Professional Exam contains the following exam sections:
- Advanced Data Manipulation
- Debugging
- Advanced UI Automation
- Advanced Control Flow
- REFramework
- Orchestrator
- API Triggers
- Attended Automation
- Other advanced concepts

Please note that, although the Automation Developer Associate certification is not a prerequisite, proficiency in all topics covered in the UiPath Automation Developer Associate Exam (UiPath-ADAv1) is assumed. Candidates are expected to be ready to answer questions on any topics covered in the Automation Developer Associate Exam.

Exam Topics

Tasks performed by the Minimally Qualified Candidate:

Advanced Data Manipulation

- Use LINQ for Lists and DataTables.
- Perform DateTime manipulation to parse dates, add or substract time and convert to and from string type.
- Use Invoke Method and Invoke Code in projects.
- JSON object manipulation

Debugging

- Perform remote Debugging when building automation projects.
- Profile execution - debugging

Advanced UI Automation

- Use AI Computer Vision features in projects (CV only automation)
- Build an UI Automation using Web Driver.
- Remote runtime

Advanced Control Flow

- Describe the components of State Machines and when they should be used in projects.
- Build projects using State Machines.

REFramework

- Explain the use of the REFramework and the Dispatcher and Performer / Producer and Consumer model.
- Describe the mechanisms of the REFramework template.
- Use Custom Log Fields in REFramework projects.
- Build a REFramework project with Orchestrator queues.
- Build a REFramework transactional project with tabular/collections data.
- Adapt a REFramework project to a linear process.
- Test a REFramework project with and without Orchestrator queues.

Orchestrator

- Use Tenant Entities (Webhooks, Alerts, Packages, etc) and Folder Entities (Triggers, Credential Stores, etc).
- Use features for unattended automations (use of folders and job priorities, separation between background and foreground processes, license allocation per machine).
- API Triggers
- Recording in Orchestrator (Queue tranx, jobs)
- Solutions Management
- Use Orchestrator monitoring features.
- Serverless and Cloud VM robots
- Tags

Attended Automation

- Long Running Workflows
- Trigger-based Automation
- UI Automation Apps Native Events Triggers (Run local triggers, Stop local triggers)
- Event Inspection Tool
- Assistant (widgets, configuration, marketplace, schedules)
- Picture in Picture

Other advanced concepts

- Solution Accelerators
- Data Service
- Coded workflow

- REST APIs & Orchestrator HTTP request

Environments, Applications, and/or Tools

The Minimally Qualified Candidate (MQC) should be comfortable working with the following environments, applications, and/or tools:
- SDLC
- Microsoft Excel
- Microsoft Office Suite (e.g., Exchange and Outlook)
- JSON and XML
- .NET (VB and C#)
- MS Visual Studio (optional)
- Virtual Machines (VMs)
- ERPs
- Browsers (IE, Chrome, etc.)
- Web page elements (e.g., HTML)
- Version Control
- UiPath Studio and UiPath Studio – Robotic Enterprise Framework
- UiPath Orchestrator
- UiPath Robots

Recommended Training and Hands-on Experience

The following represents the recommended learning path the Minimally Qualified Candidate (MQC) can take to prepare for the UiPath Certified Professional Automation Developer Professional Exam:

Training Options:

- UiPath Academy Automation Developer Professional Learning Plan
  - For public
  - For partner
- https://docs.uipath.com/

- OR -

- Other training or self-learning sources that cover the subjects listed in this document to prepare for the exam.

Hands-on Experience:

1. Involved in end-to-end process development
2. Performing UiPath code reviews
3. Providing project support; i.e., Hypercare
4. Providing maintenance and support
5. Creating and reviewing project specifications
6. Debugging and fixing production bugs
7. Adding features to existing automation processes

Recommended Exam Preparation

In addition to the recommended learning path, the practice test is an additional study tool to prepare for the UiPath Automation Professional Developer Exam.

- [Automation Developer Professional Practice Test](#)

Exam Details

Certification Track	UiPath Certified Professional – Developer Track
Credential	UiPath Certified Professional Automation Developer Professional
Valid Period	3 years
Exam Number and Exam Title	UiPath-ADPv1 - UiPath Automation Developer Professional Exam
Pre-requisite Exam(s) and/or Certification(s)	Though not a pre-requisite, UiPath Certified Professional Automation Developer Associate is recommended.
Exam Duration	120 minutes
Passing Score	70%
Exam Fee	$300