UiPath-ARDv1

UiPath Advanced RPA Developer v1.0

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 Advanced RPA Developer (UiARD) 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.

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

UiARD is a credential that represents a deeper level of expertise for roles such as Advanced RPA Developers, Solution Architects, RPA Architects, and others.

Target Audience

The target audience for the UiPath Advanced RPA Developer v1.0 Exam includes:
- RPA Developers
- Roles requiring RPA Developer expertise such as RPA Architects, Solution Designers, RPA Engineers, Solution Architects, Process Automation Architects, etc.

Minimally Qualified Candidate

The Minimally Qualified Candidate (MQC) is an individual with the following:
- 6+ months experience as an RPA 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 2019.4
- UiPath Robots version 2019.4
- UiPath Orchestrator version 2019.4

Exam Domains/Exam Sections

The UiPath Advanced RPA Developer v1.0 Exam contains the following exam sections:
- UiPath Studio
- UiPath Studio – Activities and Properties
- UiPath Studio – Robotic Enterprise (RE) Framework
- Selectors
- .NET Classes and Objects
- Advanced Functions
- Error Handling and Troubleshooting

Exam Topics

Tasks performed by the Minimally Qualified Candidate:

UiPath Studio

- Describe how to write coherent log messages and how to use them to debug a process
- Identify and describe background versus foreground automation
- Describe how to use state machines versus flow charts and sequences

UiPath Studio – Activities and Properties

- Identify, describe, and demonstrate how activities are used to automate actions in Excel, e-mail, and .pdfs
- Identify and describe the differences between using Simulate versus Send Windows Message versus Default
- Identify, describe, and apply the key UI Activities properties; for example, ContinueOnError, DelayBefore, DelayAfter, and Target
- Describe and demonstrate the use of the various UI synchronization activities; for example, ElementExists, FindElement, and Find Text
- Extract structured data from an application to UiPath Studio

UiPath Studio – Robotic Enterprise (RE) Framework

- Modify the REFramework to work with or without UiPath Orchestrator
- Describe how queues and tabular data are used within the REFramework
- Identify and describe the differences between a transaction process and a repetitive process
- Describe the differences between Dispatcher and Performer
- Describe how the Dispatcher is used to upload transaction items and how the Performer is used to consume the queues and process the transactions
- Differentiate between using the Settings fields and Assets fields in the configuration file
- Differentiate between using application exceptions and business rule exceptions
- Apply the proper Log fields for analytical reporting

Selectors

- Determine and describe how robust selectors are created; for example, dynamic versus static selectors
- Describe how Tags and Attributes are used for a UI element, and how UI Explorer is used for selectors
- Describe the differences between using full selectors versus using partial selectors

.NET Classes and Objects

- Identify and describe how string manipulation, regular expressions, and string methods are used
- Describe how to work with complex data structures and data manipulation; for example, datatables and collections

- Describe how to initialize variables such as datatables
- Describe how to filter datatables
- Explain how to use the Invoke Code and Invoke Method activities

Advanced Functions

- Identify and describe UiPath coding best practices; for example, reviewing code using best practices
- Explain how to modularize multiple workflows by creating and using library components, and creating smaller process components
- Identify and describe how to use version control; for example, working with GIT, SVN, or TFS for version control
- Describe how to work with Orchestrator queues and assets

Error Handling and Troubleshooting

- Identify and describe the use of the error handling activities such as Try Catch, Throw, Rethrow, and Retry Scope
- Examine and describe the activities and/or features used to troubleshoot, debug, and modify processes
- Determine and describe the different logging levels such as Trace, Information, Error, and Fatal logs and how they are applied

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, On-the-Job, and Hands-on Experience

The following represents the recommended learning path the Minimally Qualified Candidate (MQC) can take to prepare for the UiPath Advanced RPA Developer v1.0 Exam:

- UiPath Academy Training:
    1. RPA Starter

2. RPA Developer Foundation
3. RPA Developer Advanced
4. AI Computer Vision 2.0
5. UiPath Platform 2019.4 Updates
6. UiPath Platform 2019.10 Updates
7. UiPath Documentation on Workflow Testing and Logging

- Hands-on experience using UiPath components such as Studio, Robots, Orchestrator, and the UiPath Studio - Robotic Enterprise (RE) Framework

OR

- On-the-Job 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

    - Hands-on experience using UiPath components such as Studio, Robots, Orchestrator, and the UiPath Studio - Robotic Enterprise (RE) Framework

Recommended Exam Preparation

In addition to the recommended learning path, the practice test is an additional study tool to prepare for the UiPath Advanced RPA Developer v1.0 Exam.

- Advanced RPA Developer v1.0 Practice Test

Exam Details

Certification Track	UiPath Certified Professional – Developer Track
Credential	UiPath Certified Advanced RPA Developer v1.0 (UiARD)
Exam Number and Exam Title	UiPath-ARDv1 - UiPath Advanced RPA Developer v1.0 Exam
Pre-requisite Exam(s) and/or Certification(s)	N/A
Exam Duration	120 minutes
Passing Score	70%
Exam Fee	$200.00