



Automation Solution Architect Professional

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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 Solution Architect Professional is expected to have extensive knowledge of architecture and technology stack of automation as well as hands-on experience with automating complex business processes. Automation Solution Architect Professional Certification is targeted to assess the skills required to play a critical role in analyzing, designing, developing, testing, and operationalizing automation solutions using UiPath products.

UiPath Certified Professional Automation Solution Architect Professional is a credential that represents an advanced level of expertise in UiPath Automation Implementation Methodology and is suitable for roles such as Advanced Automation Developers, Solution Architects, Automation Architects, and others.

Target Audience

The target audience for the Automation Solution Architect Professional Exam includes:

- Automation Architects, Solution Architects, Technical Architects
- Roles requiring advanced Automation Developer expertise such as Solution Designers, Automation Engineers, etc.

Minimally Qualified Candidate

The Minimally Qualified Candidate (MQC) is an individual with the following qualifications:

- 36+ months experience as an Automation Developer
- Have completed formal training at an Advanced level with extensive hands-on experience
- Technically proficient and possesses the knowledge/skills to work independently and to lead other developers
- Technically proficient to create custom modules required by team members during their implementations
- Attention to detail, required in Process Optimization, and Re-engineering
- Experienced in performing Project Analysis and proficient in accurate Project estimates
- Have completed formal training in Communications Mining. Hands-on experience with Communications Mining is not expected

Products

The exam covers the following UiPath products (version 2024.10 and above):

- UiPath Studio
- UiPath Robots
- UiPath Orchestrator
- UiPath Apps
- UiPath Document Understanding
- UiPath Communications Mining
- UiPath Data Service
- UiPath AI Center
- UiPath Automation Ops
- UiPath Test Manager
- UiPath Process Mining
- UiPath Task Mining
- UiPath Action Center
- UiPath Automation Hub

Exam Domains/Exam Sections

The Solution Architect Professional Exam contains the following exam sections:

- UiPath Automation Developer Professional Topics
- UiPath Platform Architecture
- UiPath Deployment Options
- UiPath Data Fabric
- UiPath Apps
- UiPath Action Center
- Document Understanding Process
- UiPath Document Understanding
- UiPath AI Center
- Attended Automation
- UiPath Automation Ops
- UiPath Test Cloud
- UiPath Process Mining
- UiPath Task Mining (Removed)
- UiPath Communications Mining
- UiPath Automation Hub
- UiPath Solution Accelerator (Removed)
- Implementation Methodology Fundamentals
- Business case and technical validation
- Process Analysis
- Solution Design
- Development and Testing
- UAT
- Hands-On experience
- Integration services scenarios

- UiPath Insights
- Agentic Architecture Principles
- Maestro
- Autopilot
- Solutions Management

Exam Topics

Tasks performed by the Minimally Qualified Candidate:

UiPath Automation Developer Professional Topics

- Automation Developer Professional Topics

UiPath Platform Architecture

- Explain UiPath Platform Architecture.
- Explain the difference between Automation Cloud and Automation Suite.
- Explain the information/product flow between the different products within the UiPath Platform.
- Utilize APIs to interact with different products within the UiPath Platform. (swagger, etc).

UiPath Deployment Options

- Explain the ways to deliver UiPath Platform: Automation Cloud, Automation Suite, and Standalone.
- Understanding the different deployment models: single-node, multi-node, and high availability (HA).
- Management, features, functionalities in UiPath Unified Platform.
- Identifying the challenges and considerations associated with each deployment model.
- Apply knowledge of the various options for deploying UiPath automations: Attended, Unattended.
- Explain Guidelines for the usage of credential vaults, storage buckets, context grounding index.

UiPath Data Fabric

- Explain the key concepts: Data Fabric, Entity, Entity Field, Relationship, and Entity Record.
- Explain and apply the following concepts: Data Fabric, Entity, Entity Field, Relationship and Entity Record, Tables View
- Use Entities to structure data in your projects. (Studio, Apps)
- How to insert data in new Entity Records in Data Fabric and query existing Records.

UiPath Apps

- Describe how UiPath Apps leverages automations and interacts with other components of the UiPath Platform.
- Describe what Action Apps are and how to use them.
- Recognize and apply relevant basic data types in UiPath Apps to meet specific requirements.
- Effectively utilize VB Expressions in UiPath Apps.
- Utilize the expression editor and query builder when working with UiPath Apps.

- Acquire knowledge about UiPath Apps' custom VB Functions designed to encapsulate UiPath Platform-specific actions.
- Explain the capabilities of the editable grid feature in UiPath Apps to improve data management.
- Best practices to consider while designing UiPath Apps.

UiPath Action Center

- Describe the concept of "Human-in-the-loop."
- Create long-running workflows in UiPath Studio to orchestrate person and robot collaboration.
- Distinguish between various types of user access.
- Define tasks, actions, and processes, along with their particularities.
- Manage tasks and processes in Actions
- Explain long-running workflows, orchestration process, asynchronous processing, long-running activities, Human-in-the-loop.
- Explain and utilize the Orchestration Process Template to create a process.
- Utilize queues for long-running activities, tasks for long-running activities, and jobs for long-running activities.
- Explain the best practices with orchestration process.

Document Understanding Process

- Describe the stages of the Document Understanding Framework.
- Use the Document Understanding Framework to build document processing workflows in UiPath Studio.
- Explain the Document Understanding Process template, its components, and how it contributes to automation. Explain its purpose, key stages, and its role in document processing.
- Be aware of known issues and limitations related to the Document Understanding Process template.

UiPath Document Understanding

- Knowledge of the various options for deploying UiPath Robots: Attended, Unattended.
- Distinguish between structured, unstructured, and semi-structured documents that can be processed with Document Understanding.
- Differentiate between the two common types of data extraction methodologies: rule-based and model-based.
- Differentiate between OCR and Document Understanding.
- Describe the usage of Modern Document Understanding
- Differentiate between Classic Document Understanding and Modern Document Understanding.
- Describe the concepts of generative extraction, generative annotation, generative classification.

UiPath AI Center

- Explain what UiPath AI Center is.
- Explain how RPA and AI can work together in process improvement.
- Distinguish between AI, ML, NLP, DL, computer vision.
- Describe how machine learning works.

Attended Automation

- Work with UI automation triggers.
- Work with Forms Triggers.
- Work with Event Driven Forms.
- Working with UiPath Forms and Callouts.

UiPath Automation Ops

- Describe the purpose and main functionalities of UiPath Automation Ops.
- Utilize UiPath utilities while creating the CI/CD pipeline.

UiPath Test Cloud

- Explain the main concepts related to Test Cloud.
- Describe the Test Manager capabilities.
- Use Test Manager.
- Describe creating test cases.
- Coded workflows/test cases.

UiPath Process Mining

- Explain what Process Mining is and its usefulness.
- Differentiate between UiPath discovery products: Process Mining, Task Mining etc.

UiPath Communications Mining

- Describe what UiPath Communications Mining is and how it works.
- Distinguish between the two most common scopes of using UiPath Communications Mining.
- Explain how UiPath Communications Mining and RPA can work together.
- Distinguish between optimal, and sub-optimal data types that Communications Mining can interpret and add structure to.

UiPath Automation Hub

- Describe Automation Hub and its purpose in the UiPath ecosystem.
- Explain the reasons why organizations need Automation Hub for managing and scaling their automation initiatives.
- Define automation ideas and their lifecycle phases, including submission, review, approval, and development.

Implementation Methodology fundamentals

- Outline the roles and responsibilities of a Solution Architect throughout a project implementation.
- Describe the main outputs of a Solution Architect throughout a project implementation.

Business case and technical validation

- Apply considerations in requesting application access to avoid blockers and delays downstream in the project.
- Implement best practices for assessing the technical feasibility of process automation.
- Estimate development time for projects.

Process Analysis

- Apply best practices to design, or co-design the 'to-be process' to be included in the Process Design Document (PDD)
- Explain how to identify inefficiencies and bottlenecks in the as-is process
- Describe the best practices for license estimation.

Solution Design

- Describe the best practices for creating code repository.
- Define what the Solution Design Document (SDD) is and its most typical components.
- Explain the Solution design principles.
- Describe the considerations to be taken into account when designing solution architecture and process flow diagrams.
- Outline the general recommendations and best practices in preparation for the development and testing stage.
- Describe critical security and compliance considerations in the solution design.

Development and Testing

- Define why Workflow Analyzer helps ensure following best practices during code development.
- Describe considerations a Solution Architect should keep in mind during code review.
- Identify code that does not meet automation development best practices.
- Distinguish between solutions that follow or do not follow work breakdown principles.
- Distinguish between code that follows or does not follow naming convention best practices.

UAT

- Explain what a Process Manual and Runbook are and emphasize their significance.
- Assess the automation runbook to verify its consistency with both the PDD and SDD within the context of solution architecture.
- Explain how a Solution Architect can support the developer throughout deployment and hypercare.
- Assess the implementation of best practices in code review and the automation process.

Hands-on experience

Integration services scenarios

UiPath Insights

Agentic Architecture Principles

- Describe the agentic architecture components and their interaction - context grounding, tools, activities, escalations, prompts, evaluations etc.
- Explain the usage of context grounding.
- Explain the usage of tools.
- Explain the usage of escalations, Human-in-the-loop.
- Explain the usage of prompts.
- Explain the usage of evaluations.
- Describe the design principles and best practices for agentic implementations. (include prompt engineering, evaluation types)
- Building the agent definition document.
- Describe the usage of Coded Agents.

Maestro

- Describe the usage of Maestro workflow.
- Describe Process Modeling in the context of Maestro. (BPMN)
- Maestro Process Implementation - deploying, upgrading, using files
- Maestro Process Operations and Monitoring - dashboard, incidents, instance management
- Maestro Process Optimizations - process graph, KPIs, process inefficiencies, process tracking
- Solution Design for Maestro.

Autopilot

- Work with Automation Tool Framework.
- Explain how to install and configure A4E.
- The creation and configuration of Specialized Autopilot

Solutions Management

- Describe the creation and management of a solution.
- Describe the deployment of a solution.

Environments, applications, and/or tools

The Minimally Qualified Candidate (MQC) should be comfortable working with the following environments, applications, and/or tools:

- A general familiarity with software development lifecycle (SDLC)
- Microsoft Excel
- Microsoft Outlook
- Working experience with a Code Editor such as PyCharm/Visual Studio Code/Notepad or any other
- Browsers (Edge, Chrome, etc.)
- Web page elements (e.g., HTML)
- Version Control
- UiPath Studio and UiPath Studio – Robotic Enterprise Framework

- UiPath Studio – Document Understanding Template
- UiPath Communications Mining
- AI Center
- Action Center
- 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 Solution Architect Exam:

Training Options:

-  Academy [Automation Solution Architect Professional Training](#)
- AND -
- <https://docs.uipath.com/>
- [Create Solution Design](#)
- [Reusable Components Methodology](#)
- [License Estimate](#)
- [Validate Process Automation Viability](#)
- 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
8. Hands-on experience with Communications Mining is not expected

Recommended Exam Preparation

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

- [UiPath Automation Solution Architect Professional Practice Test](#)

Exam Details

Certification Track	UiPath Certified Professional – Solution Architect Track
Credential	UiPath Certified Professional Automation Solution Architect Professional
Valid Period	3 years
Exam Number and Exam Title	UiPath-ASAPv1 - UiPath Automation Solution Architect Professional Exam
Pre-requisite Exam(s) and/or Certification(s)	None
Exam Duration	120 minutes
Passing Score	70%
Exam Fee	\$300

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