

Ui Path Platform Overview



Introduction to Ui Path

The Ui Path Platform offers you the components you need to design and develop automation projects, execute the instructions automatically and manage your robot workforce.

The components of the Ui Path Platform are

- Ui Path Studio (the workflow designer),
- Ui Path Orchestrator (the robot management platform) and
- The Robot (the agent executing the instructions).

Ui Path Studio

- Helps you design automation workflows visually, quickly and with only basic programming knowledge.
- Studio is where the automated processes are built in a visual way, using the built-in recorder, drag & drop activities and best practice templates.

Ui Path Orchestrator

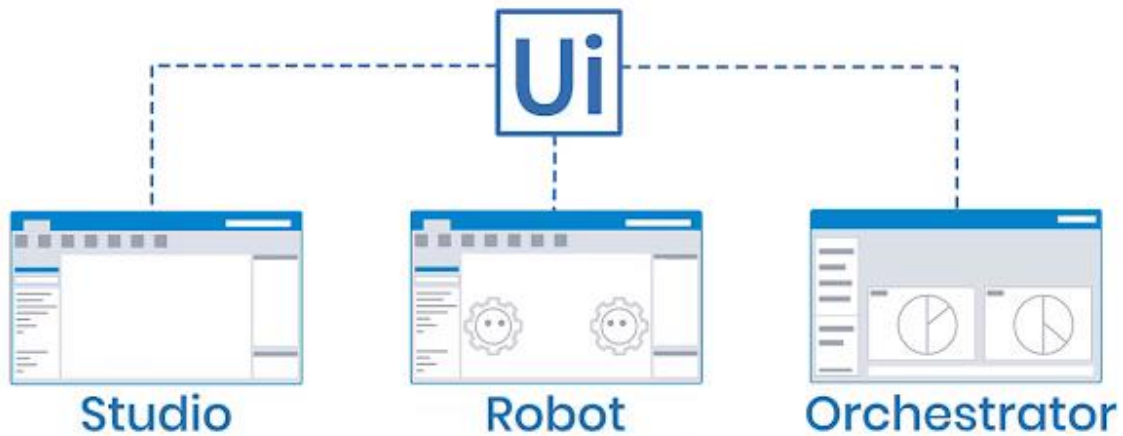
➤ Lets you control, manage and monitor the robots. It is also the place where libraries, reusable components, assets and processes used by the robots are stored. Orchestrator is a server application accessed via browser, through which the robotic workforce is controlled, managed and monitored:

- The connections with the robots are created and maintained, and the robots are grouped (control).
- The automated processes are distributed as tasks to the robots (management).
- The execution of tasks is logged and kept track of (monitoring).

The Robot

- Executes the workflows and instructions sent locally or via Orchestrator. There are two types of robots:
 - Attended – is triggered by user events, and operates alongside a human, on the same workstation.
 - Unattended - run unattended in virtual environments and can automate any number of processes.

UiPath Product Architecture

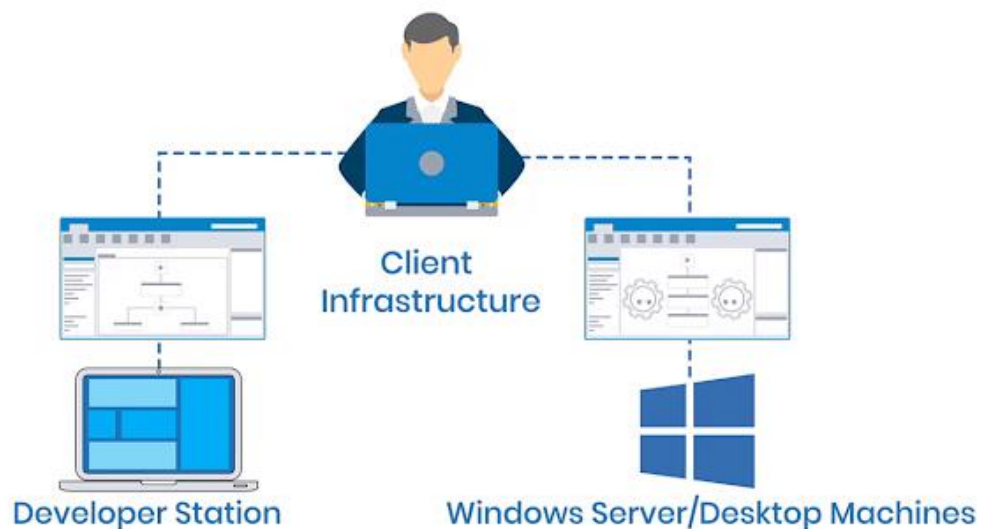


Ui Path Architecture

As you can probably remember, the UiPath solution consists of Studio, Robot and Orchestrator, each of them having a specific function.

- Studio is where the magic happens through the design of automation workflows.
- Robot executes the activity or process designed in Studio while
- Orchestrator controls the robots in the production environment and the execution of tasks.

Access to Studio and Robots



► Studio and the robots function within the client's infrastructure, with Studio installed on the developers' stations, and the robots on a Windows Server or Windows Desktop machines, both real and virtual, depending on the automation scenarios.



► Orchestrator is hosted on a web application server, so the clients can access it through a web browser, with designated credentials.

► Orchestrator comprises several layers: **the presentation layer**, or the interface that we access using the browser, the **service layer** (allowing for API calls) and

Persistence layer, where relevant information and events are stored and logged. The persistence layer is generally built using SQL Server and Elasticsearch.

The client may choose only one of them, or even different solutions altogether. We'll provide more details about this topic in the next sections.

Studio --- where the automations are built, using drag & drop widgets, the built-in recorder, and reusable components. Knowledge of a programming language is not required to build simple projects, as the design is made visually on a canvas, using building blocks.

Robots --- the digital workers that carry out the automations, based on the instructions received from UiPath Orchestrator

Orchestrator --- is the web-based application used to deploy, assign tasks to and monitor the robotic workforce. It is mandatory in large and complex automations, but not in simple cases like the one above