Setting Up the Cloud Orchestrator and Robots

The Orchestrator setup in Cloud is very simple compared to the on-prem setup as all the setup is already managed by UiPath and we just need to get a license for its usage. We will use a Trial version setup to demonstrate its setup and its capabilities.

UiPath Cloud Setup

1. Login to our desktop or set up an EC2 instance with Windows Server 2019 type and login to the Admin account. This will be the workspace where we will access the Cloud orchestrator and also set up a Studio/Studio Pro developer studio and an Assistant to run the bot.
2. Setup a trial account at this URL: `https://cloud.uipath.com/portal_/register?subscriptionPlan=trial`

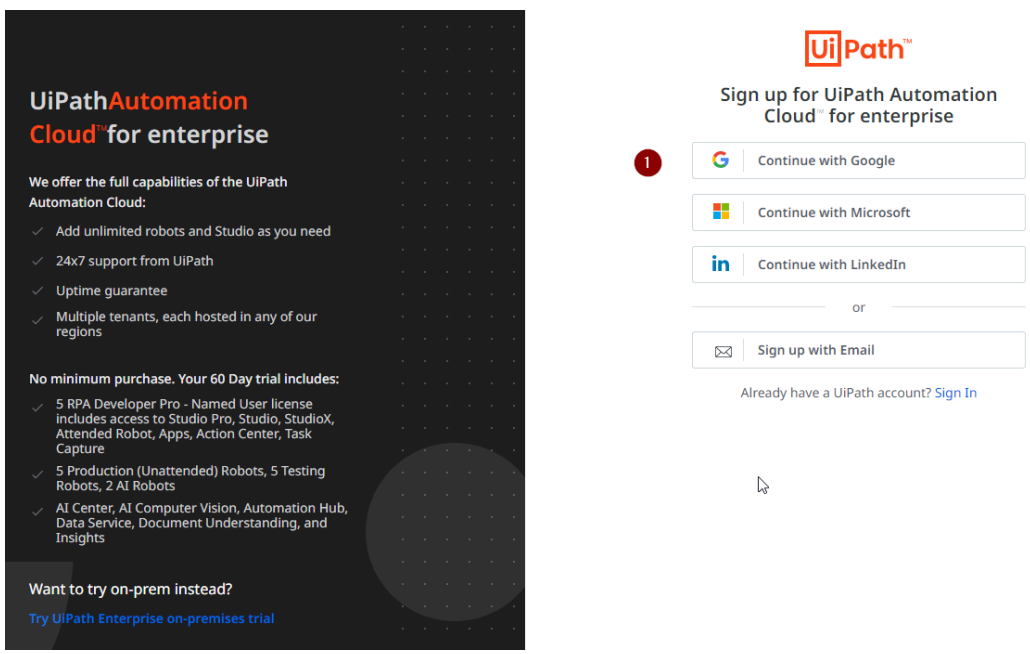

Figure B.01

3. Once the UiPath cloud account is created, please log in with the same credentials.

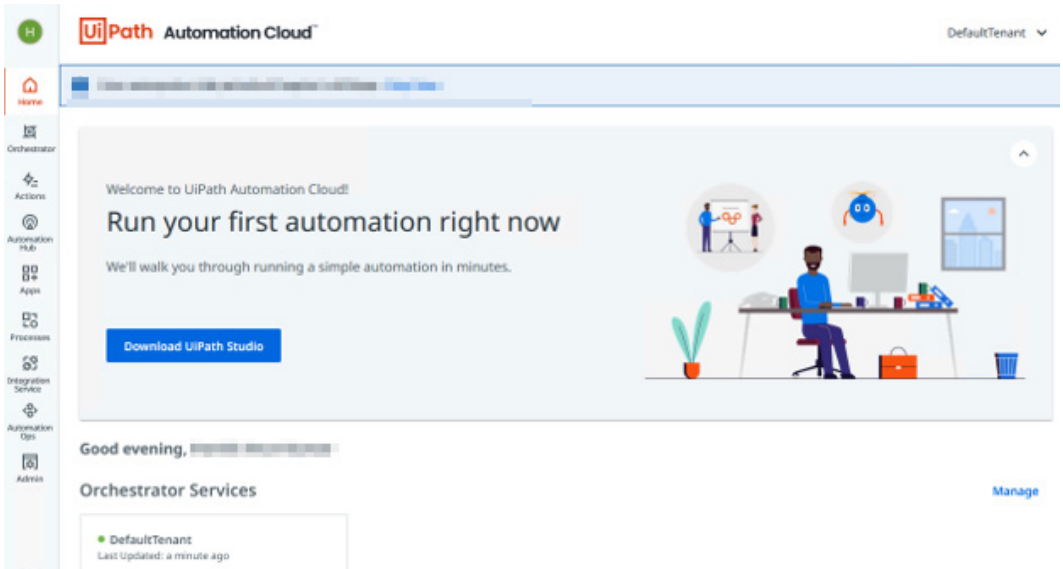

Figure B.02

4. Check the licenses allocated for the Trial account. RPA Developer (Studio /Studio X), Attended and Unattended Robot and Non-prod & Test robots licenses are allocated as part of the Trial setup.

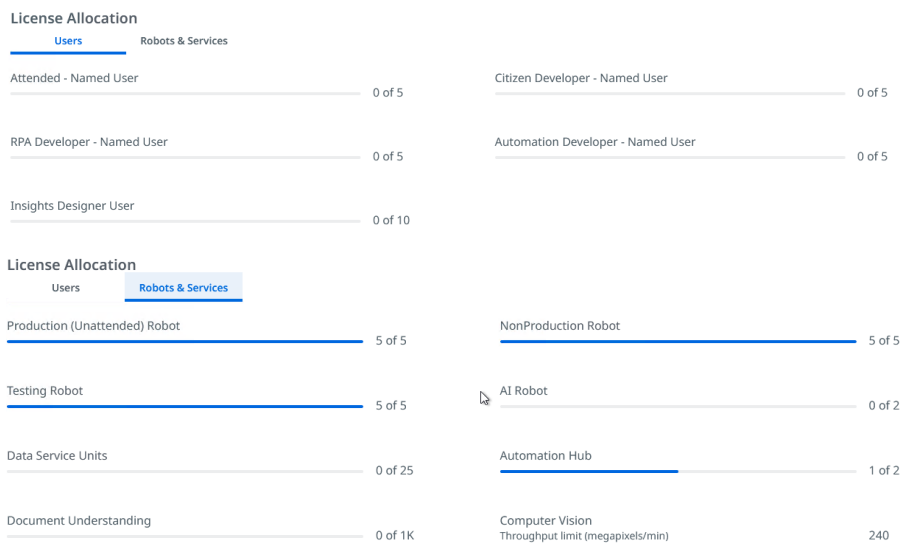

Figure B.03

Install UiPath Studio and Assistant

1. Once the licenses allocation is confirmed, install the UiPath studio and an Assistant to run the automation. The installer file is also available for download from the Cloud orchestrator account.

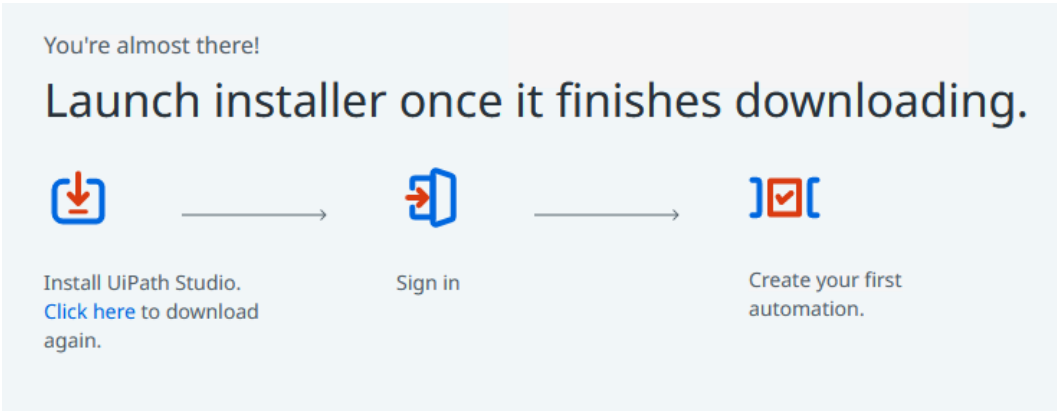

Figure B.04

Figure B.05

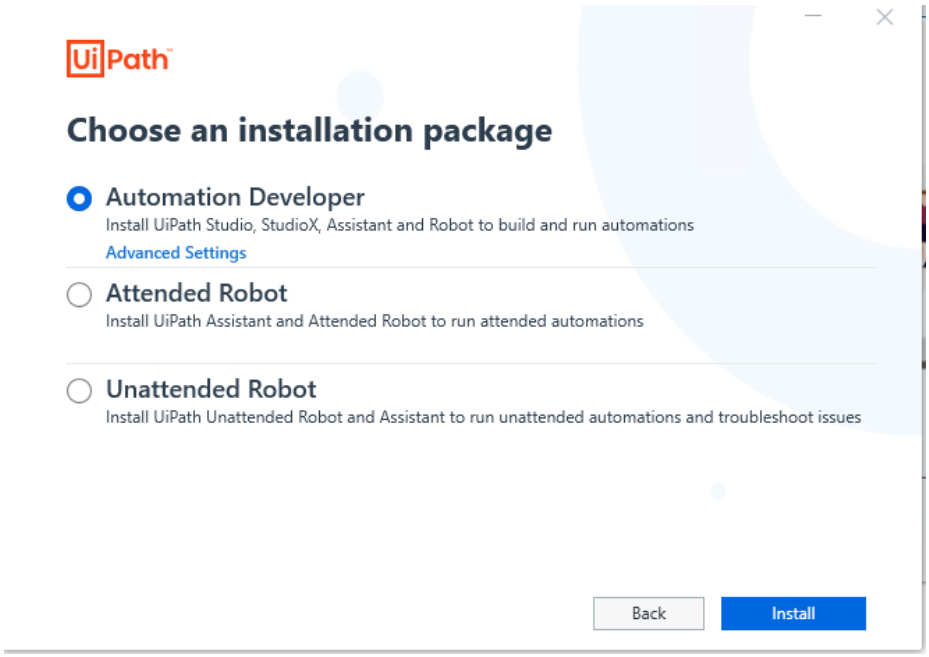

Figure B.06

2. After you download and install the Studio and assistant, verify the software from the tray.

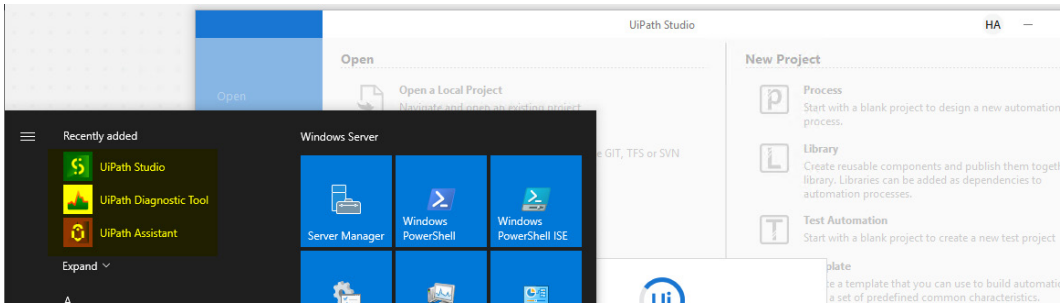

Figure B.07

3. We need to add this machine to Orchestrator now. Login to Orchestrator and add a Standard machine in the Orchestrator

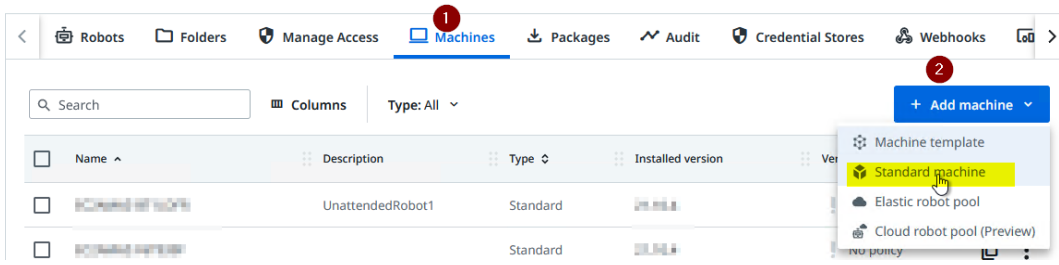

Figure B.08

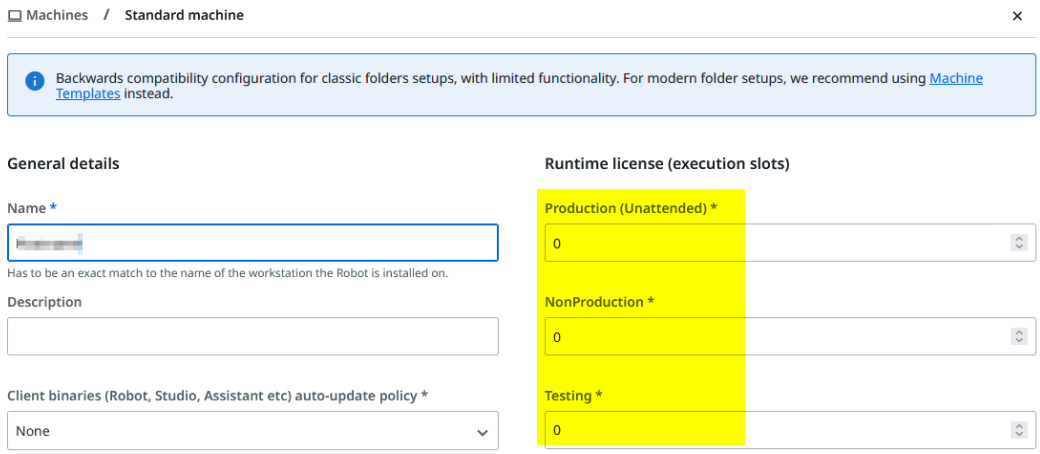

Figure B.09

Note

We don't need any runtime licenses to run automation on this machine.

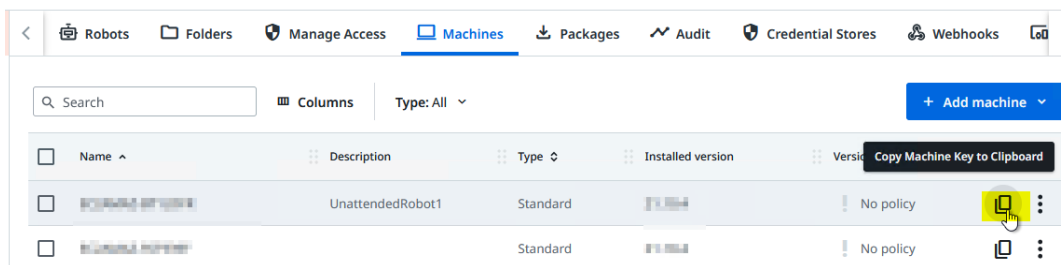

Figure B.10

4. Once the machine is added, copy the machine key.
5. Now launch and login to UiPath Assistant with the user account you registered and then open the Orchestrator setting. Then update the orchestrator URL from the cloud setup URL and provide the copied machine key.

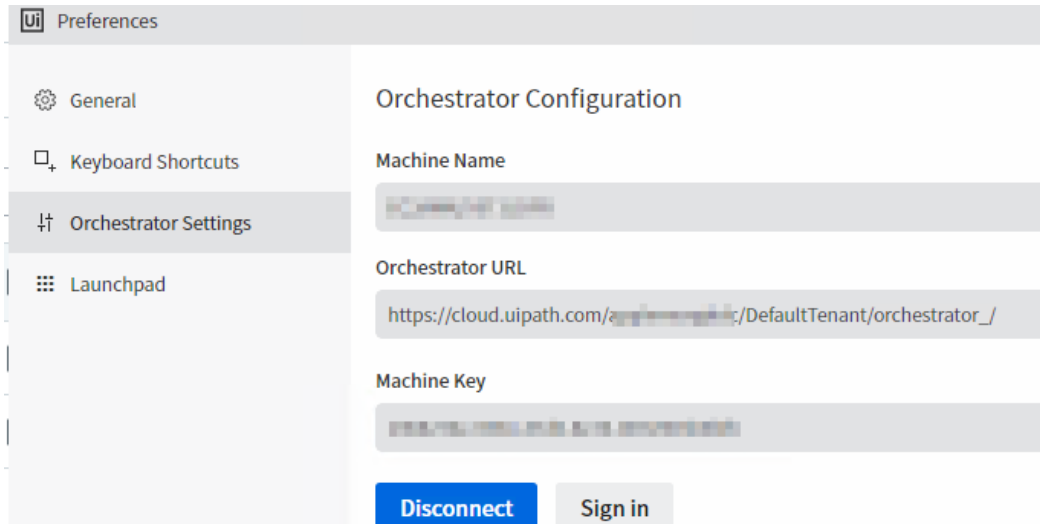

Figure B.11

6. Open UiPath studio and sign in to the cloud account to activate the license.

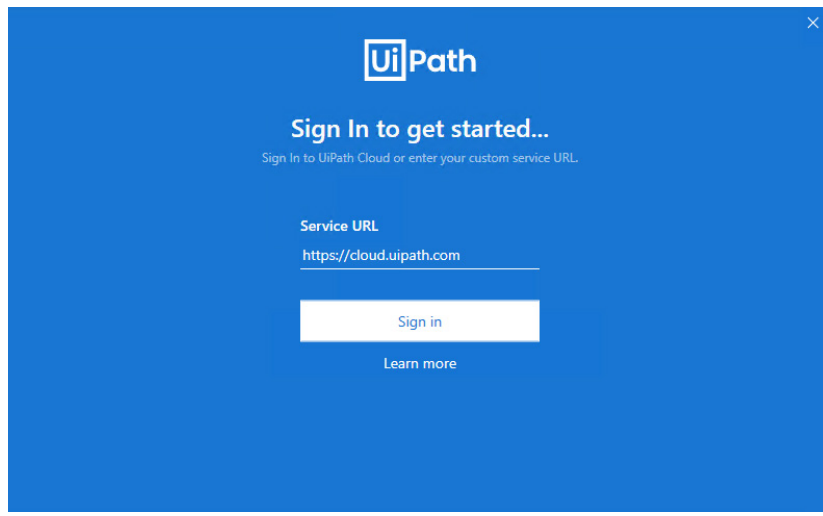

Figure B.12

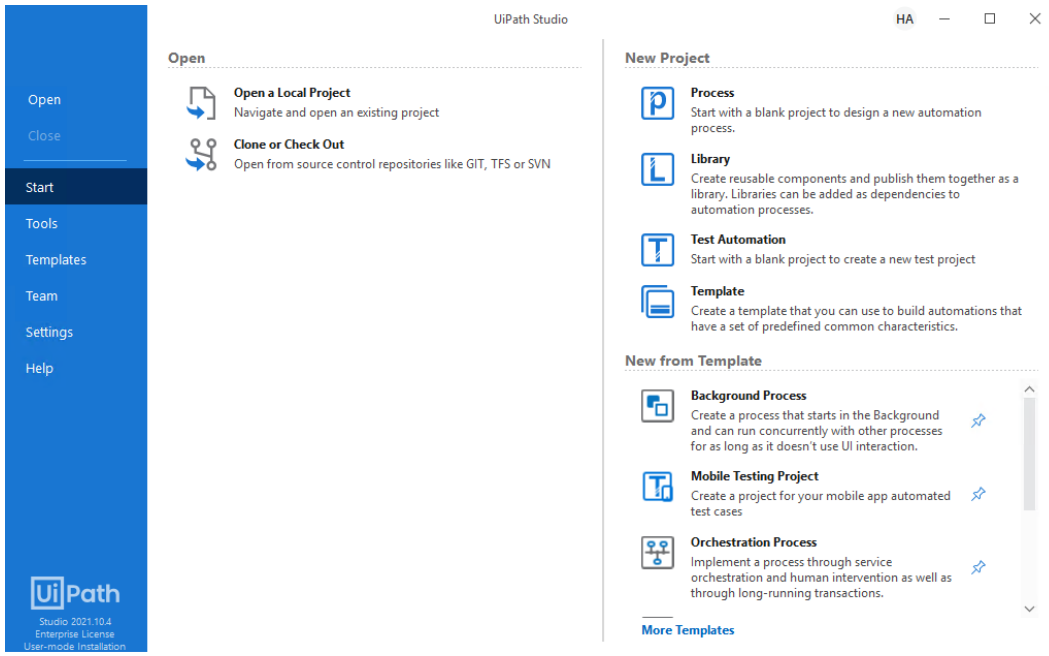

Figure B.13

7. Then try to create a new process with a simple command and publish the package to verify the connectivity.

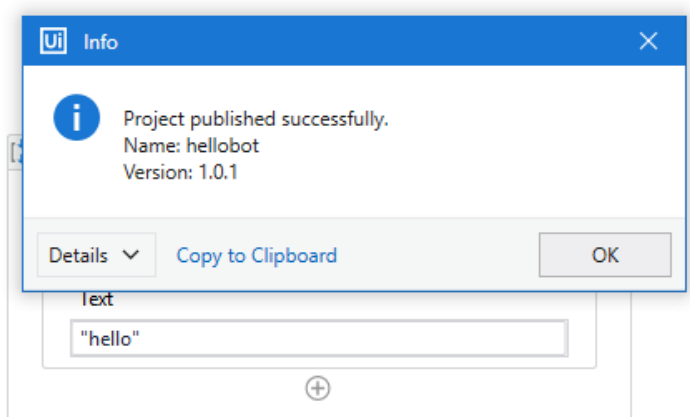

Figure B.14

8. Run the process from assistance to verify the robot's readiness.

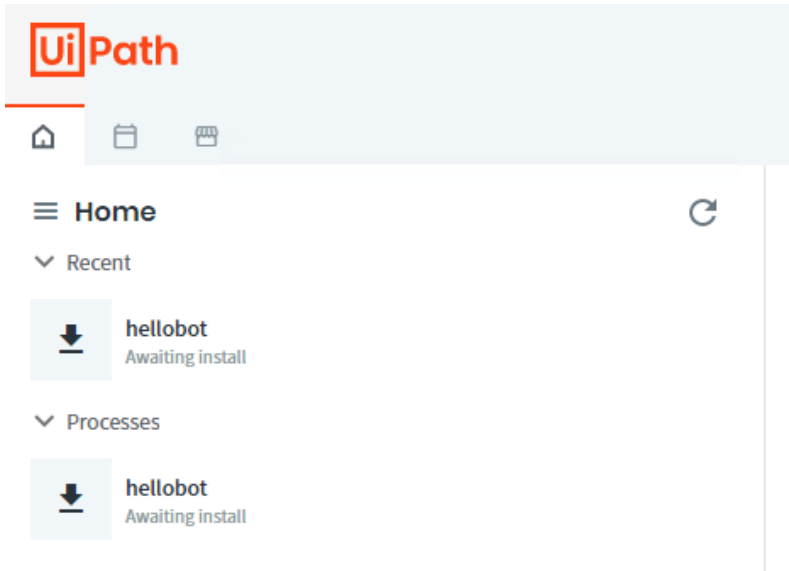

Figure B.15

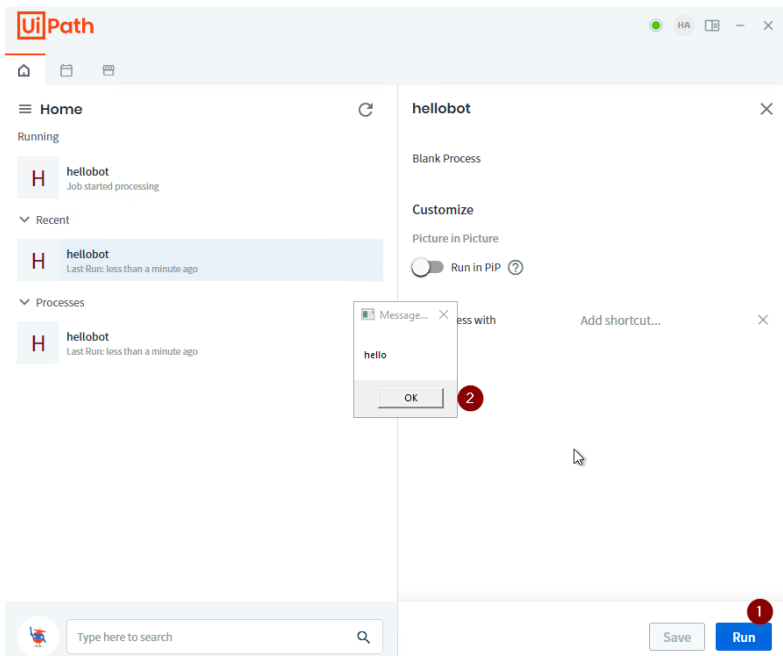

Figure B.16

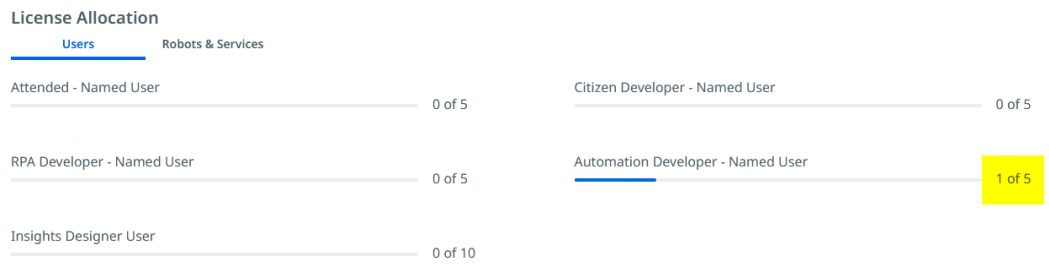

Figure B.17

> **Note**
> You will find that the available Automation Developer license count is reduced by 1.

Setup unattended robot

Let's try to set up Unattended bots and schedule jobs to run on that. We will configure bots on separate Virtual machines.

1. Setup another EC2 instance with Windows Server 2019 type and login to the Admin account.
2. Once you are in the Admin login, add a new Robot user which can be used as 'unattended bots' e.g. Robot2 to the Administrator user group.

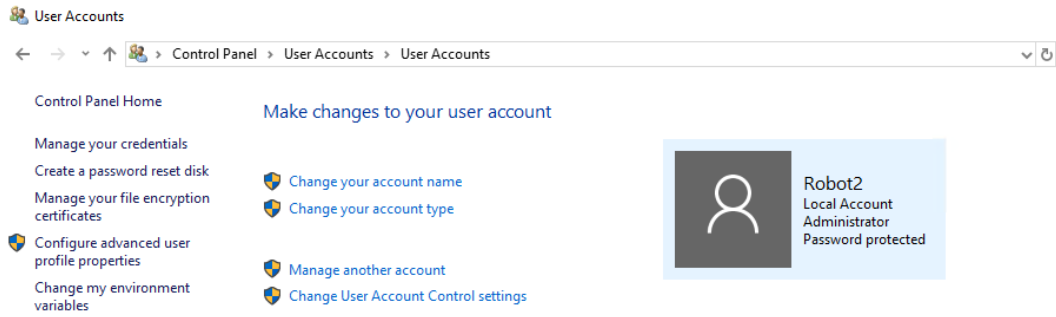

Figure B.18

3. Try to remote to the **Robot 2** account on the EC2 virtual instance.

4. Now let's try to login into the already set up Enterprise Cloud Orchestrator instance. We can ideally configure in any machine, but we do it after logging into this instance because we need the installer to install the UiPath Assistant software here.

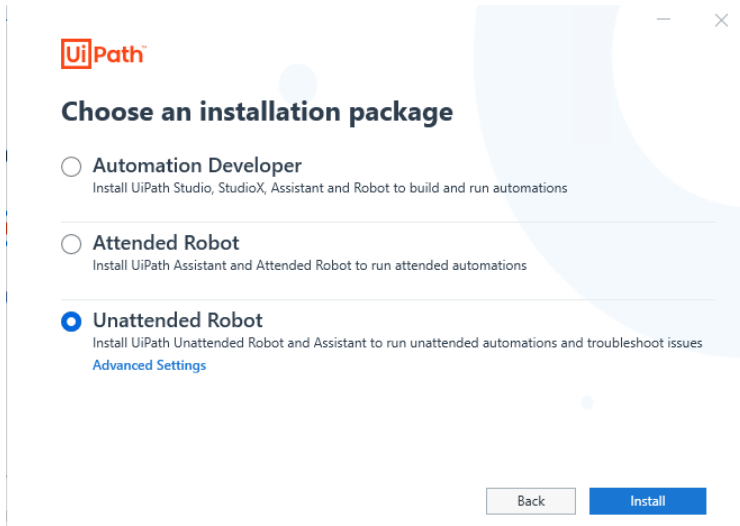

Figure B.19

5. Once the unattended robot software setup is complete, you can see the UiPath assistant in the startup menu.
6. Before we connect the robot to Orchestrator, let's create a new user for the Robot account.
7. Login to cloud Orchestrator and go to **Admin| Accounts & Group**. You will find the default user you used to register added under users.

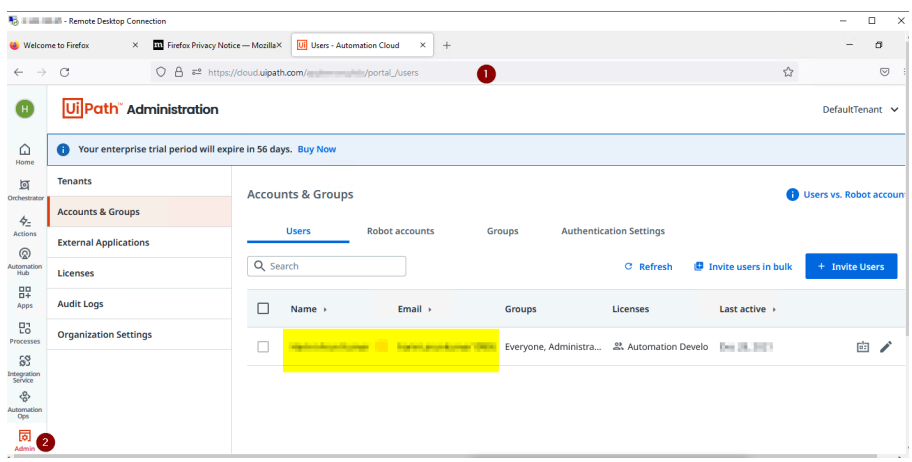

Figure B.20

8. Now, let's add a new Robot account:

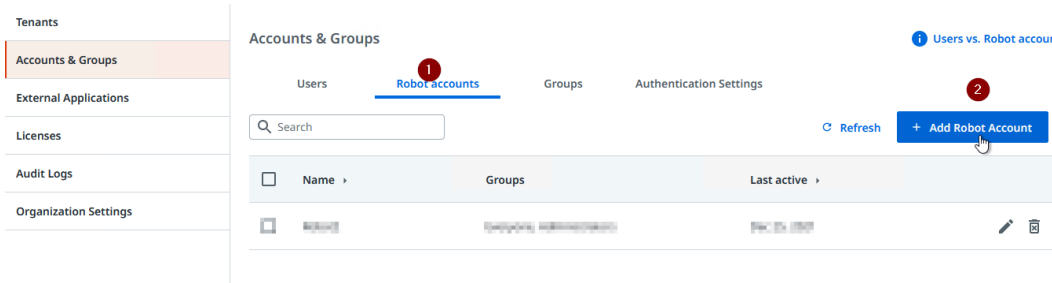

Figure B.21

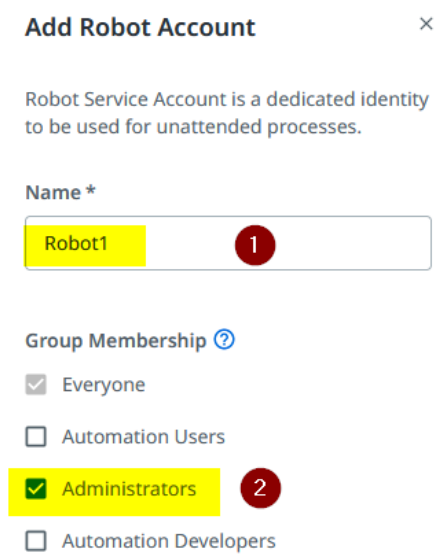

Figure B.22

The robot account was added successfully!

> **Note**
> Automation User is the minimum rights that can be provided.

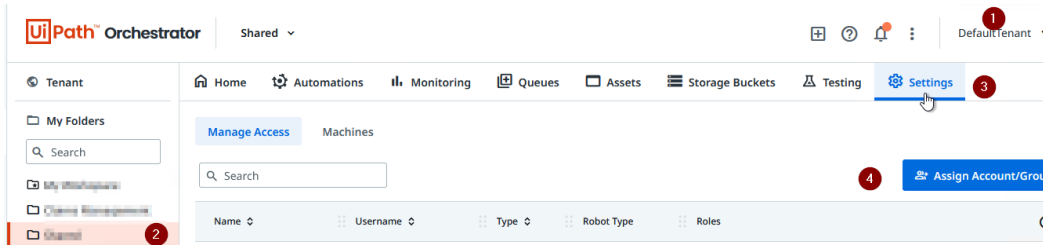

Figure B.23

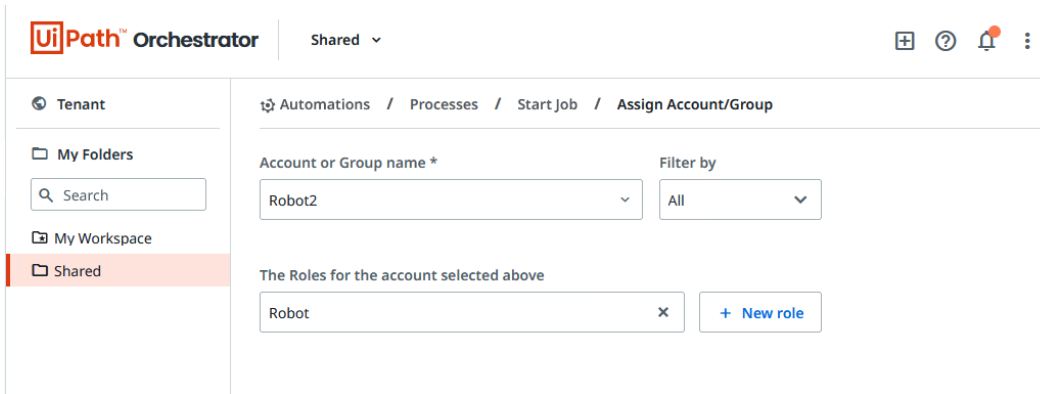

Figure B.24

> **Note**
> In order to use the unattended robot account, we need to configure unattended runtimes to this bot.

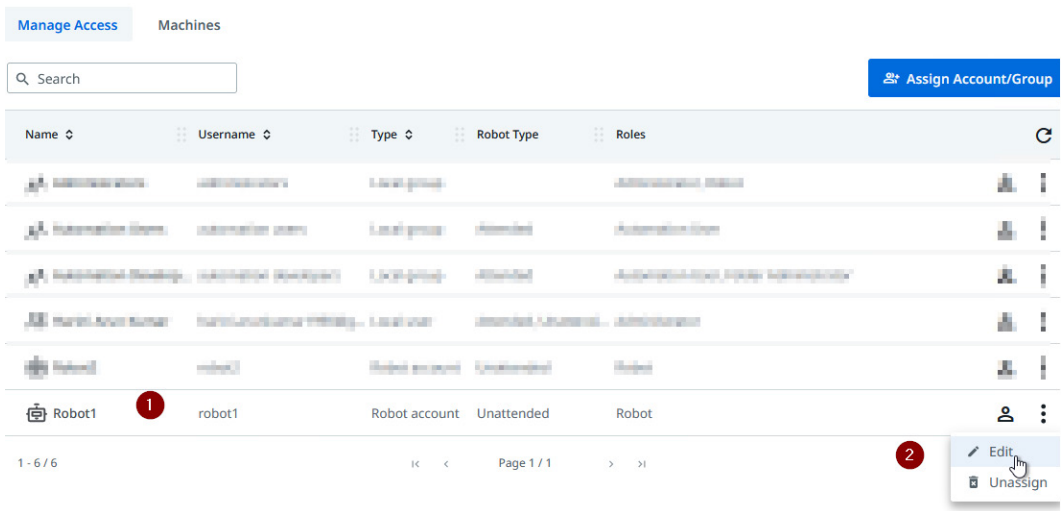

Figure B.25

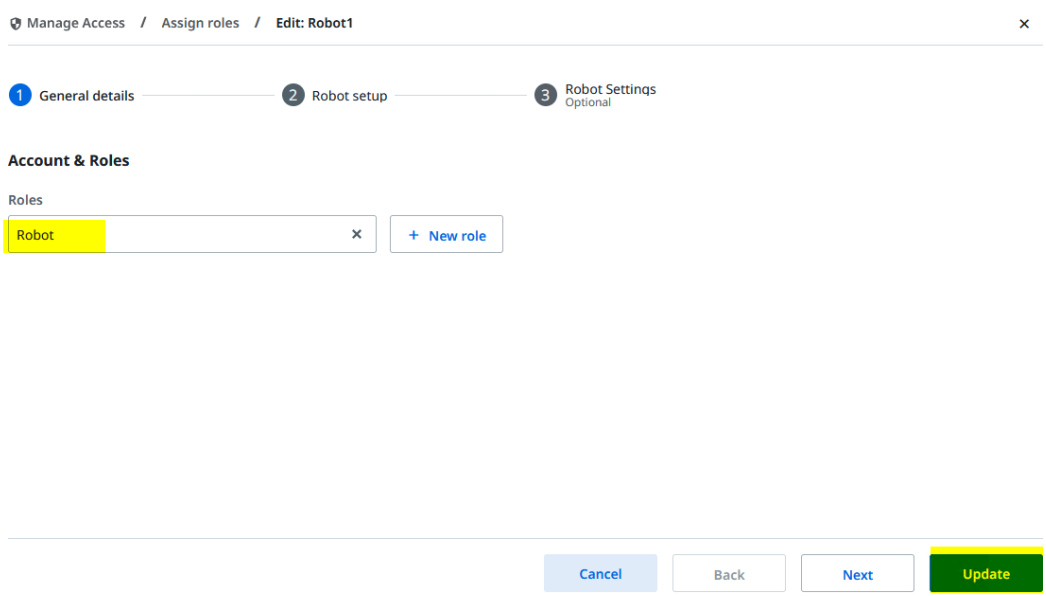

Figure B.26

9. Provide the Admin robot account user credentials which we added to the AWS EC2 robot machine.

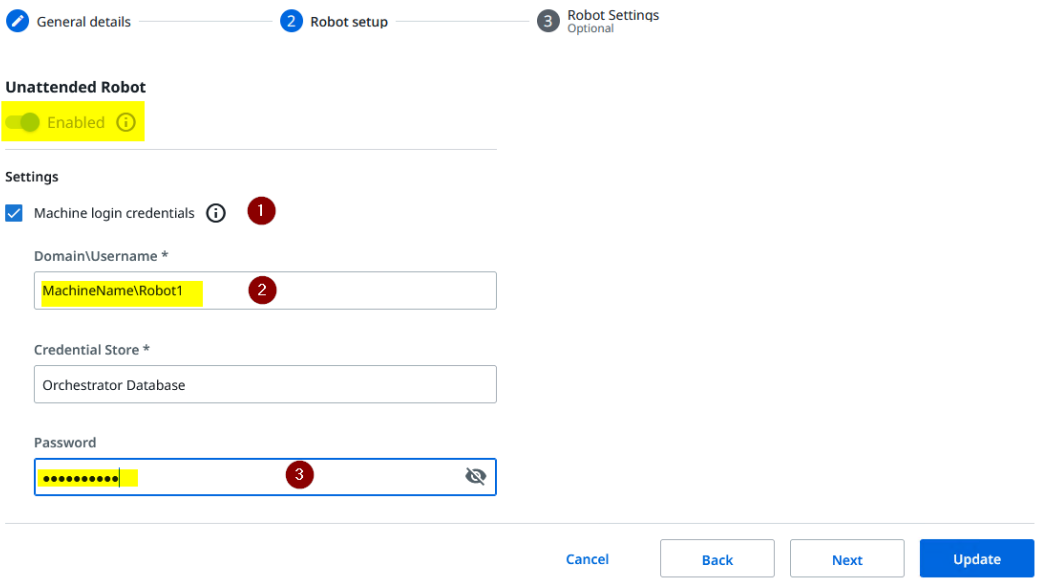

Figure B.27

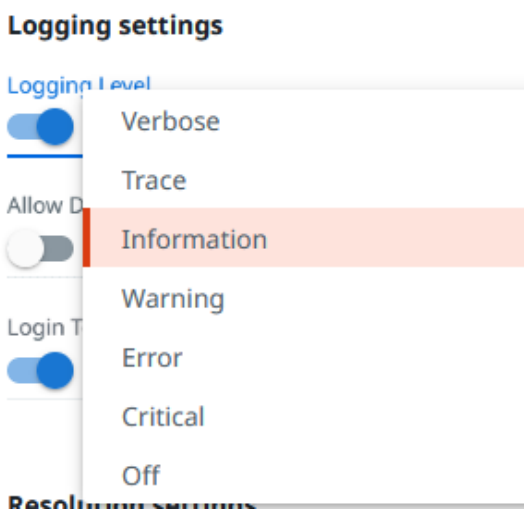

Figure B.28

Note:
There are different levels of logging. Please refer here for more details: `https://docs.uipath.com/robot/docs/logging-levels`.

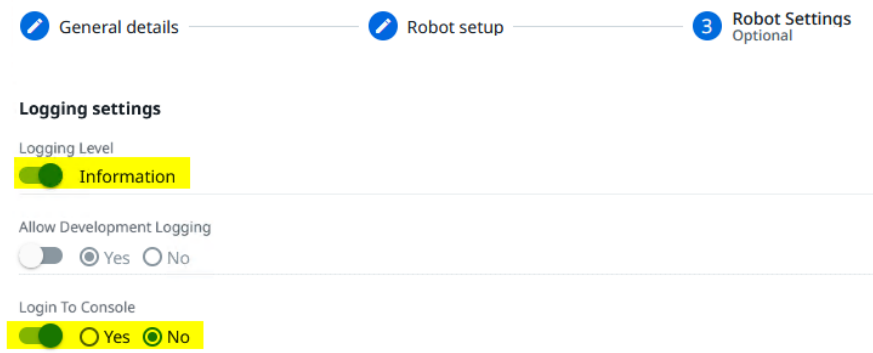

Figure B.29

Note
When **Login to Console** is set to **No**, the user account will not be logged off when the automation runs, and we can view the script in action.

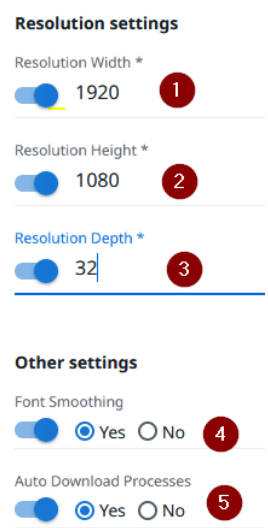

Figure B.30

> **Note**
> It is a best practice to provide resolution width, height, and depth.

10. Once these setups are done, we need to add this Robot machine to Orchestrator too.
11. Add a machine in the Orchestrator:

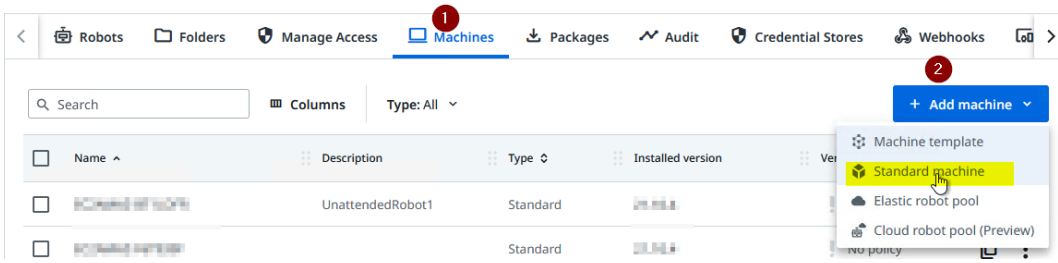

Figure B.31

But this time, we need to assign runtime licenses.

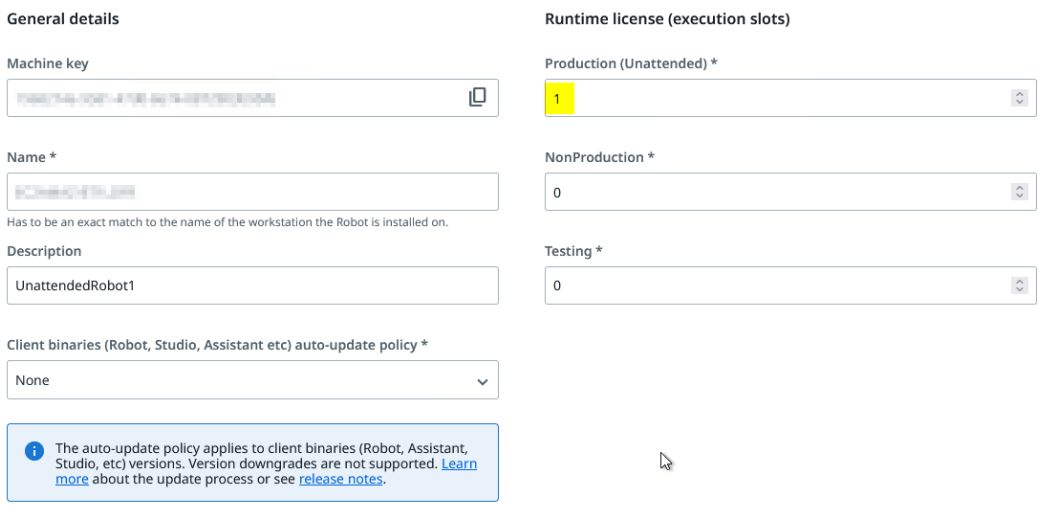

Figure B.32

12. Use the machine key and connect the unattended robot to Orchestrator as we did before.
13. Now robots appear in the robot tray

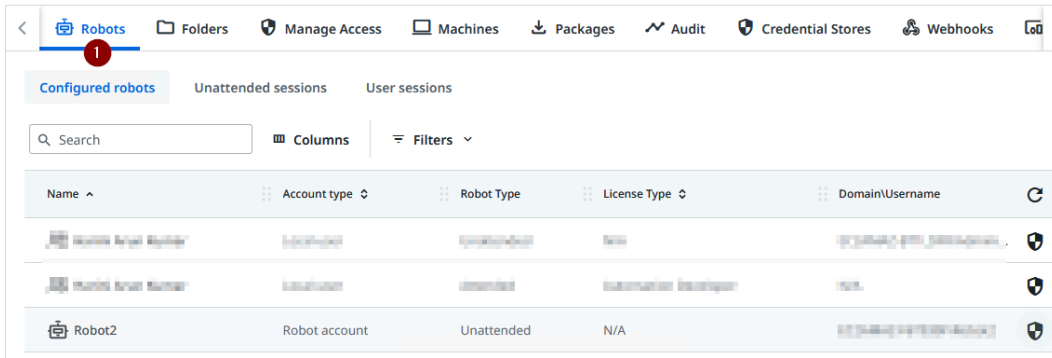

Figure B.33

We can try to run the test package we uploaded from Studio on this unattended robot. We need to create a new process with the package which was deployed from Studio.

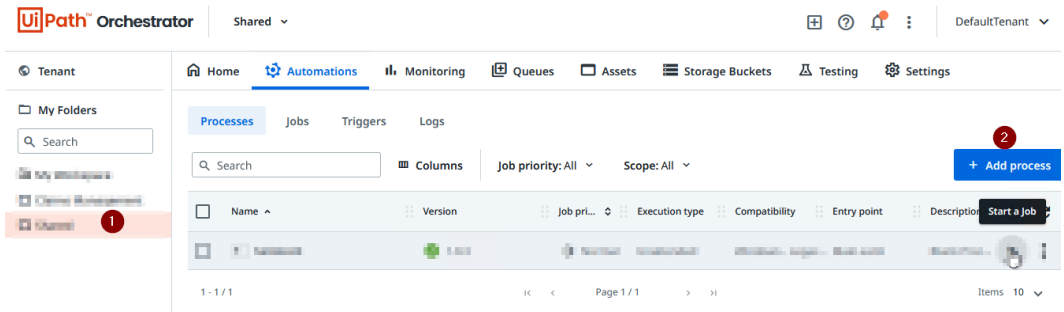

Figure B.34

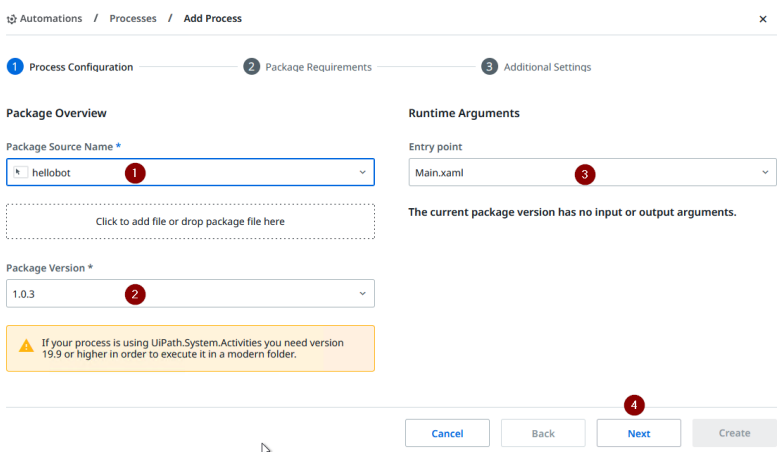

Figure B.35

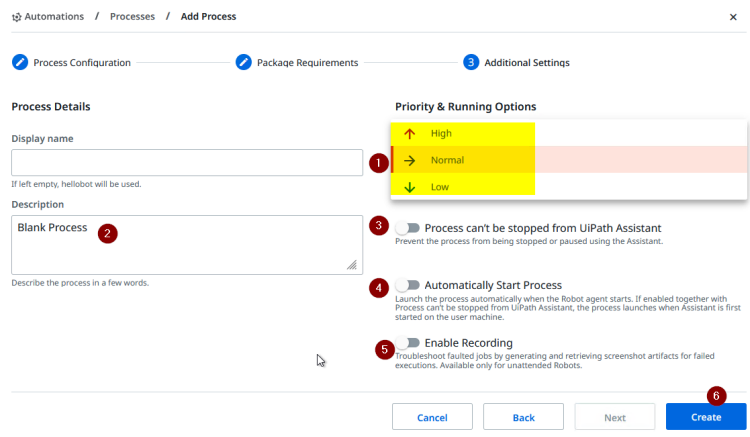

Figure B.36

Note

Priority of the jobs, recording and other options can be enabled from this dialog.

14. Now we can try to run the process

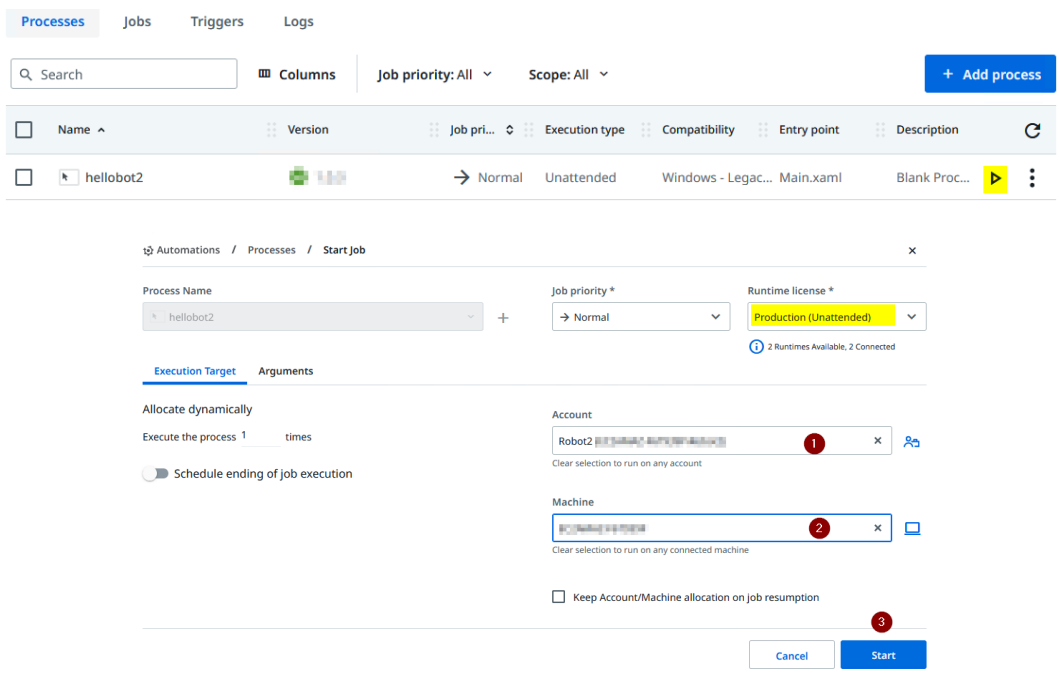

Figure B.37

15. You can check the job status from **Jobs**

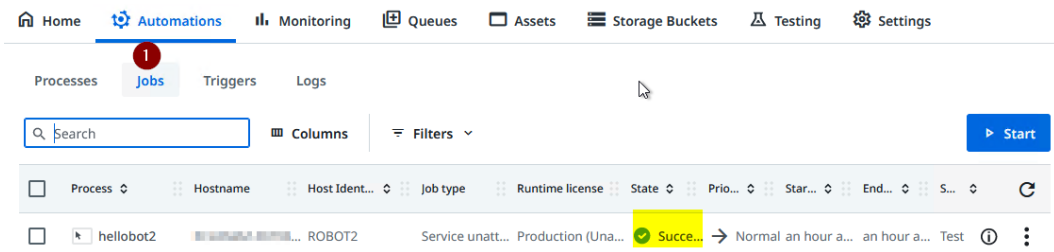

Figure B.38

You can also try to use **Triggers** to run these jobs on a particular schedule.

Schedule the job runs on un-attended Robot

You can also create a trigger for the process to run at scheduled intervals. To do this:

1. Click on **Triggers** on the automation panel
2. Click on **Add on a new Trigger** and choose **Time** on the next screen
3. Provide a **Name** for the Trigger
4. Choose your Timezone
5. Choose the **Process** you like to schedule
6. Choose your unattended Robot we just added
7. Select the Schedule you like the process to run (For e.g. You can schedule as **Daily** and add time)
8. Finally, click on **Add** to schedule the process

Once the trigger is enabled, jobs will be triggered, and the runs can be monitored from Orchestrator.