UiPath Orchestrator Folder Structure

UiPath Orchestrator

UiPath Orchestrator is a web application that enables you to orchestrate your UiPath Robots in executing repetitive business processes.

Orchestrator lets you manage the creation, monitoring, and deployment of resources in your environment.
It acts as an integration point with third-party solutions and applications.
Its power comes from its capability of managing your entire Robot fleet.

Folders

A Folder is a storage area that helps to keep your projects separate. They enable you to maintain fine-grained control over automations project and personnel across the entire organization.

Folders have their own Orchestrator resources that reside within each specific folder. There are also global resources that are created at the tenant level and are available across folders.

Managing Folder

- Creating folder

- Folder Access

    1. Roles and Permissions

    2. Assigning users or groups

    3. Assigning Machines

Creating Folder in Orchestrator

Orchestrator >>Tenant>>Folders

1. From Folders page, click the New Folder button. The New Folder window appears.
2. Enter a name for your folder.
3. Enter a description of the folder.
4. From the Process package source, select if this folder (and any sub-folders) use the Tenant package feed or if you want to create a new package feed for this folder. All subfolders inherit the package feed setting from the root parent. Access to the feed is controlled by the folder-scoped Folder Packages permission set.
5. Click Create. Your folder is created and now appears on the Folders page.
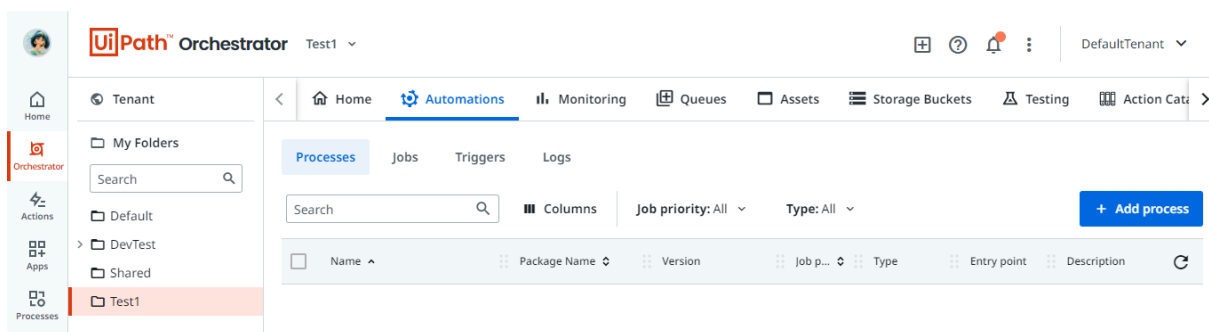
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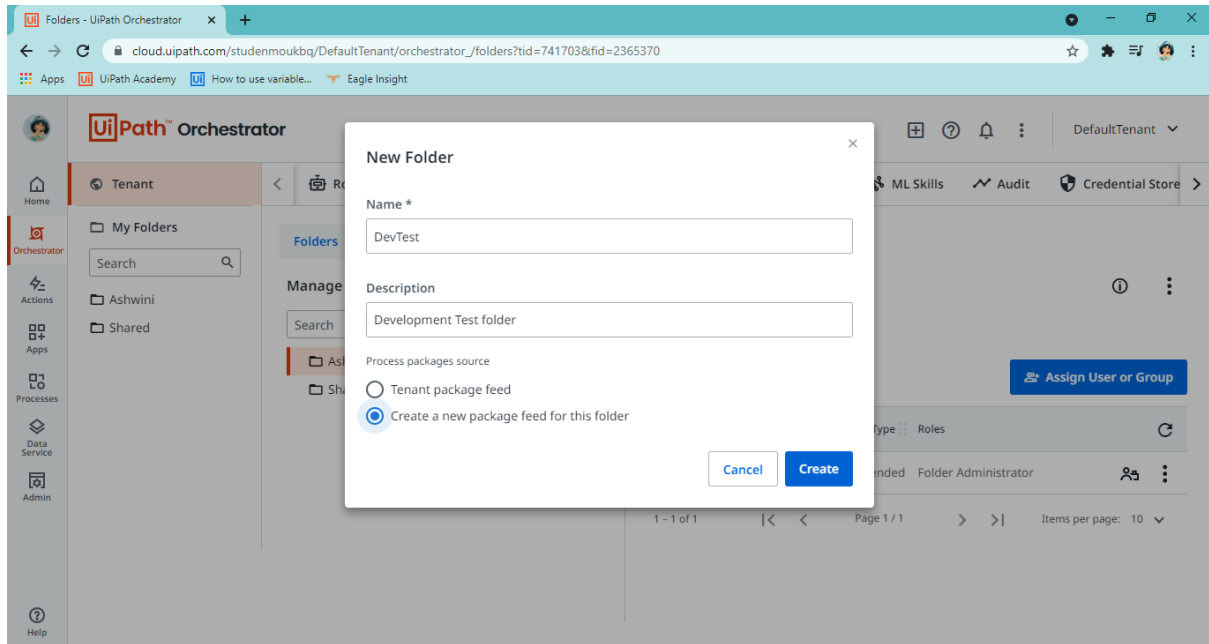
Just because I have selected the create a new package feed to this folder it will have its own special folder it will have own package feed

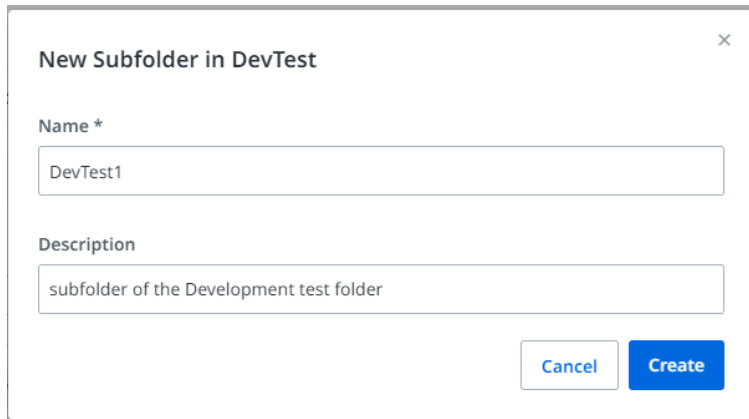To check Click on the new folder (DevTest) and click on Automations
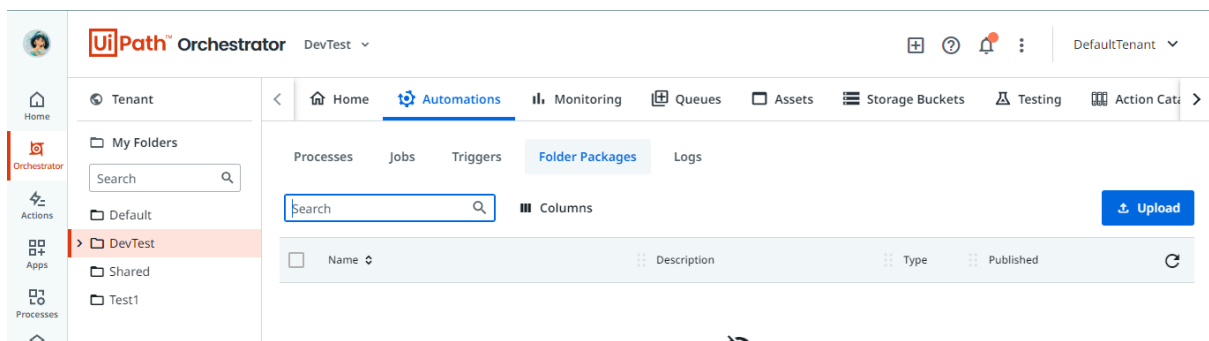
Suppose Test is the folder and If you select Tenant package feed you will not have the own package feed

You can add any number Packages to the packages feed of the folder. You can either upload just like you're doing the packages feed at the tenant level or else you can add the packages from studio itself.

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You can also create the subfolder. By selecting an existing folder from the Manage Folders pane. The Add subfolder button is enabled.
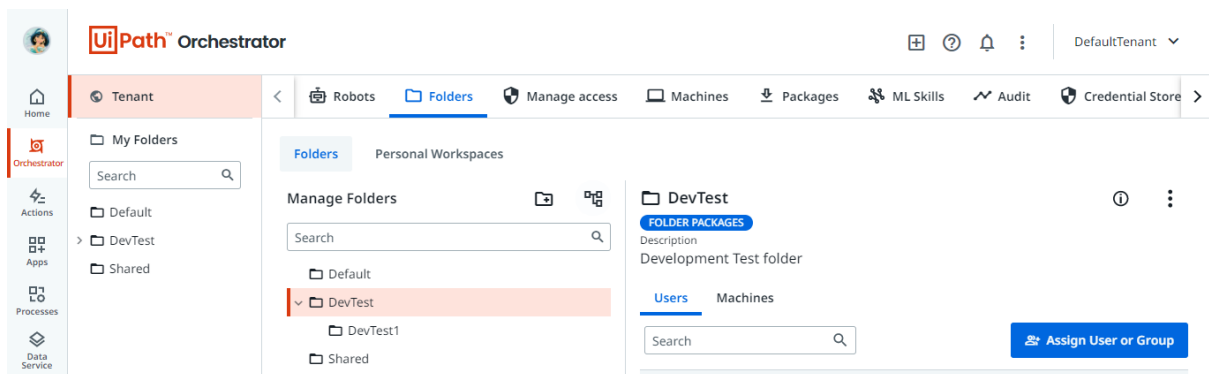

Example: Adding packages from UiPath Studio to the subfolder (DevTest1) where we have created the own workspace called as packages feed
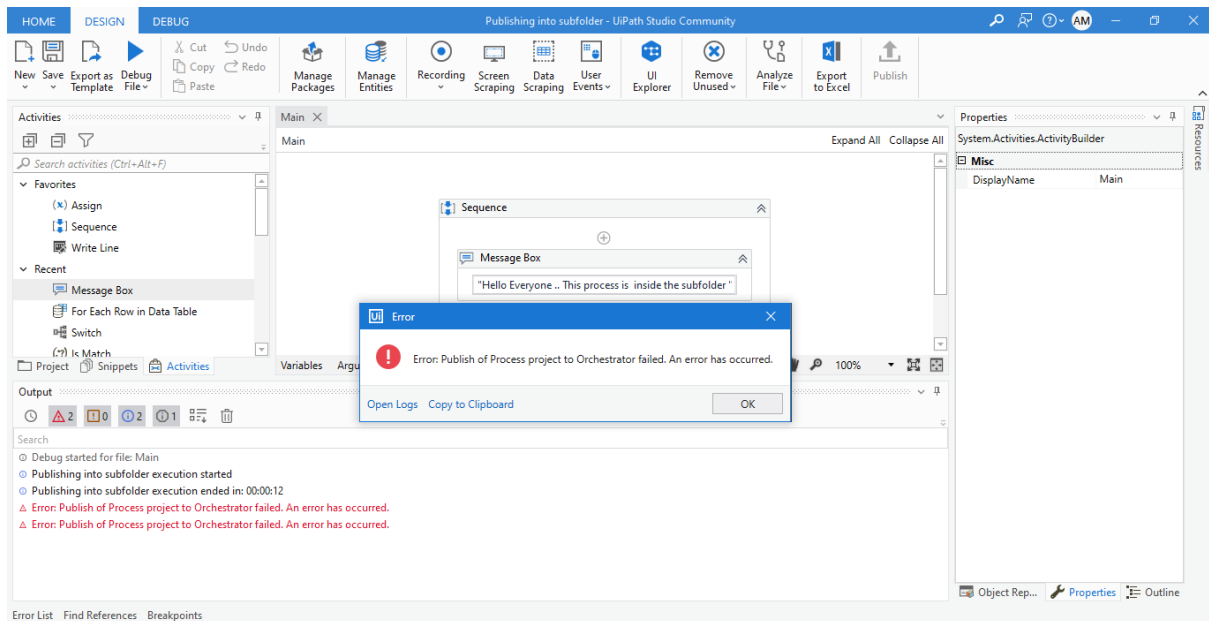
Publishing the process in to the orchestrator (packages are nothing but the processes).

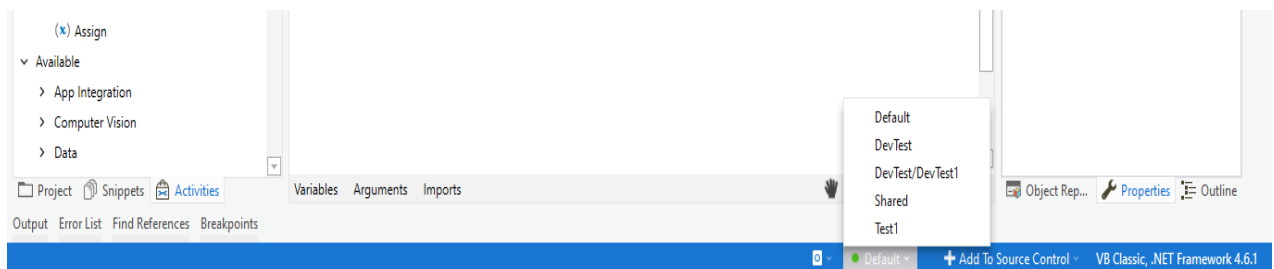**Click on publish>>Publish options**

Before publishing you must be in that folder from the UiPath Studio where you want to add the packages to that packages feed.

If you're not moving in to the particular folder where you have created the personal workspace and trying to publish the process in any of the folder which has tenant package feed it will give an error

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Select the folder (DevTest)

After selecting the folder (DevTest) you will get the option in to the drop down list of publish to **orchestrator DevTest feed** by selecting that you will able to publish the process into that particular folders packages feed.

Click on Publish.

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You can publish your process 'N' number of times even if you have not updated the process you can publish it.

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Folder Access

1. Role and permissions

Role-permissions and user-roles relationships allow for a certain level of access to Orchestrator. A user gets the permissions required to perform particular operations through one or multiple roles.

Tenant >> Manage access

In the updated new version UiPath Studio 2016.6.0 they have merge the **users and roles** area into one section to ease the access management.

There are two categories of permissions:

- **Tenant permissions** - Define a user's access to resources at the tenant level.
- **Folder permissions** - Define the user's access and ability within each folder they are assigned to.

Based on the permissions they include, there are three types of roles:

- **Tenant roles**: which include tenant permissions and are required for working at the tenant level.
- **Folder roles**: which include permissions for working within a folder.
- **Mixed roles**: which include both types of permissions.
  With mixed roles, for a global operation, only the user's tenant permissions are taken into consideration; for a folder-specific operation, if a custom role is defined, folder permissions are applied in favour of any tenant permissions present.
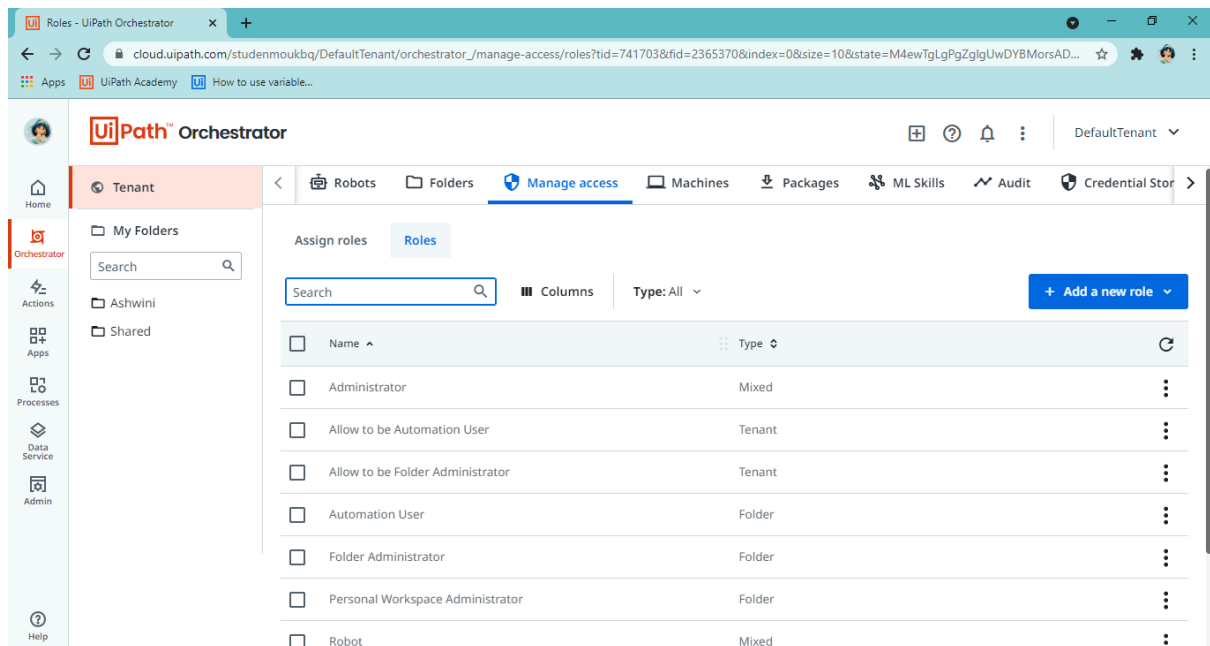
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The following resources are available to users depending on the type of roles they have:

Tenant Resources	Folder Resources
	▸ Assets
	▸ Storage Files
	▸ Storage Buckets
	▸ Environments
	▸ Execution Media
▸ Alerts	▸ Folder Packages
▸ Audit	▸ Jobs
▸ Background tasks	▸ Logs
▸ Libraries	▸ Monitoring
▸ License	▸ Processes
▸ Robots	▸ Queues
▸ Machines	▸ Triggers
▸ ML Logs	▸ Subfolders
▸ Packages	▸ Action Assignment
▸ Roles	▸ Action Catalogs
▸ Settings	▸ Actions
▸ Folders	▸ Tasks Assignment
▸ Users	▸ Test Case Execution Artifacts
▸ Webhooks	▸ Test Data Queue Items
	▸ Test Data Queues
	▸ Test Set Executions
	▸ Test Sets
	▸ Test Set Schedules
	▸ Transactions

## Standard Roles for Folders

Role	Type	Description
Tenant Administrator	Tenant	The highest role contains Tenant level permissions.
Allow to be Folder Administrator	Tenant	Minimum required tenant permission to manage own folders and subfolders.
Folder Administrator	Folder	Contains all Folder level Permissions.
Allow to be Automation User	Tenant	Who only needs to execute the processes.
Automation User	Folder	Who needs to execute a processes at the folder in a folder.

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Creating Custom role Type Folder

Tenant >>Manage access >>Roles>> Add a new role

Two options appear, for adding a tenant role or a folder role.
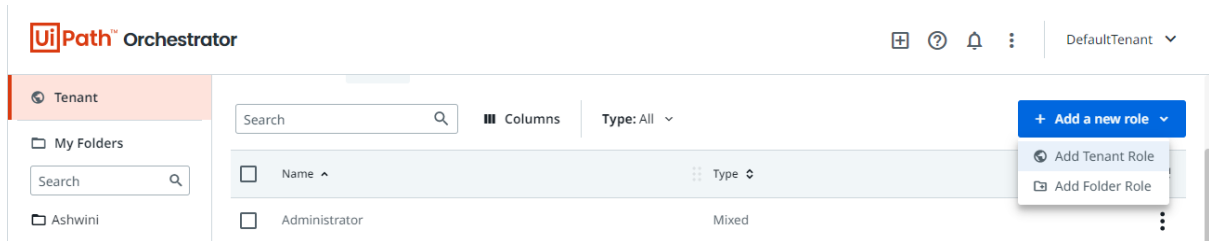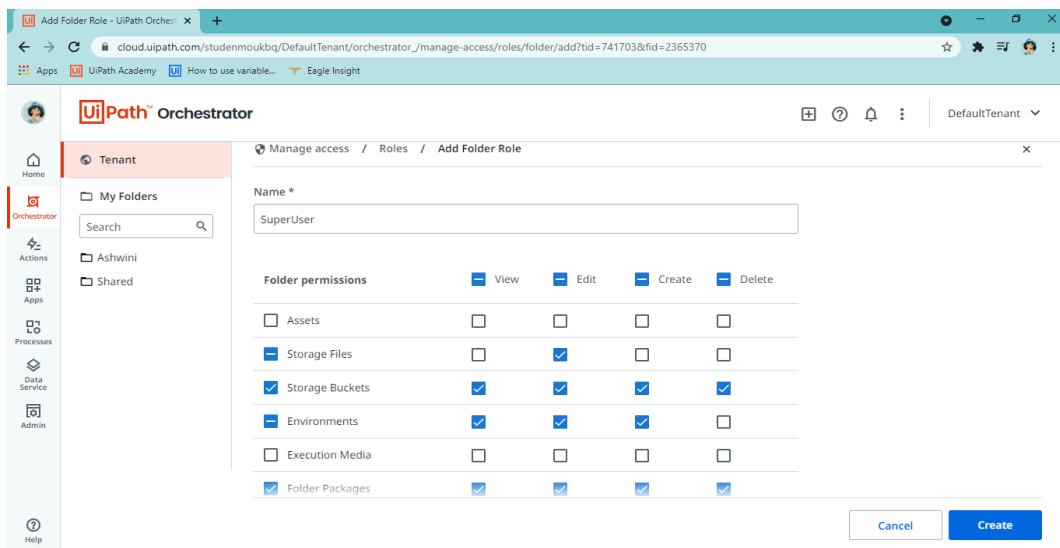

Select Add Folder Role

In the **Name** field, type a representative name for the role, for example - SuperUser.

Select the check boxes for the permissions you want to assign to the new role.

Click on Create.

2. Assigning Users or Groups

In the Manage Folders pane, click the folder you want to manage. Click Assign User or Group**.** Select the user or group you would like to assign drop-down, select the user or group to be added to the folder. And then select the roles to be assigned to this user within this folder.

Click Assign. The selected user is now assigned to and may access this folder.

3. Assigning Machines

Tenant >>Folders >> Manage Folders pane>> Machine

In the Manage Folders pane, click the folder you want to assign a machine to.On the Machine tab, click Manage Machine in Folder

The Manage Machine window is displayed. Select the machine to be added to the folder. Adding the machine to the folder is only required for unattended use cases.

We can also **propagate machine to subfolders**

Tenant >>Folders >> Manage Folders pane>> Machine

Select the folders for which you want to assign the same machine for subfolders too.

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Click on Propagate machine to subfolders

Note: while Logging into Orchestrator through the UiPath Assistant you may get this error sometimes
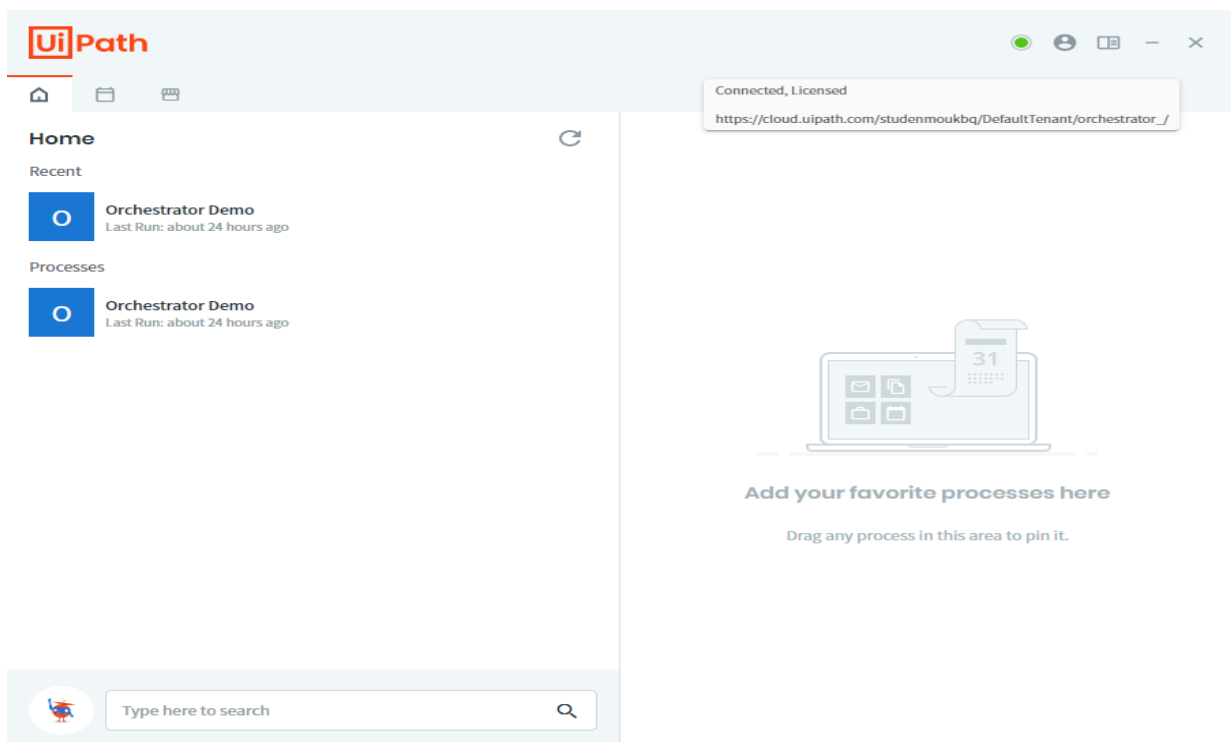
Preferences>>orchestrator settings

Status: Connected, Unlicensed
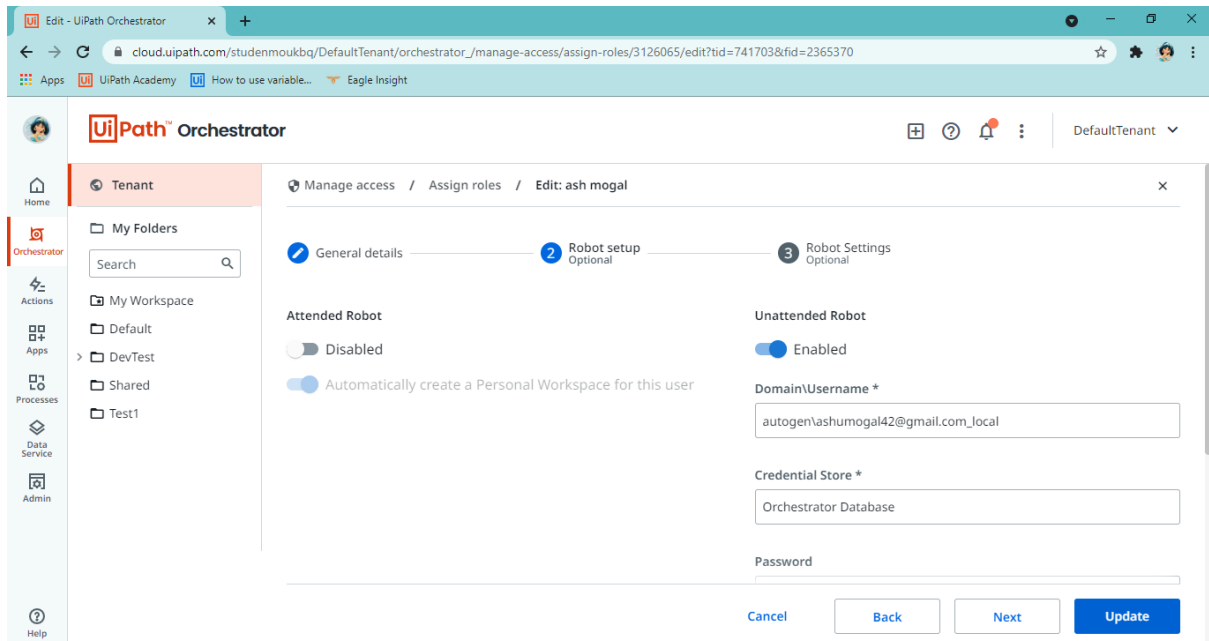
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If you're using the connection type service URL try using the machine key still getting the same issue like connected, unlicensed

You must cross check the user access for the particular user your using in the Robot setup Enabled the unattended Robot and click on update. Try again connecting the orchestrator configuration.

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