

# UIPATH DATA SERVICES

- Persistent data storage service bringing powerful no-code modeling and storage capabilities to your robotic process automation.

## WHY UIPATH DATA SERVICES :

1. Secured, persisted and accessible storage
2. Define, modify and extend business
3. Define rich metadata like ENTITIES, RELATIONSHIP, RULES, ATTRIBUTE
4. Reduce arguments count
5. Present duplicate data
6. Data validation across entities – 2 way matching.

## UIPATH DATA SERVICES COMPONENTS :

1. Entities
2. Fields
3. Relationship
4. Records

### 1. ENTITIES :

Entities are complex objects created in data service. They are equivalent to tables in relational database model. Entities are composed of fields of various types.

Eg: Clients, Invoice, Invoices line, terms

### 2. FIELDS :

Field structure the data inside the entities. They are equivalent of column in the relational data base model.

Two types :

- System built in fields,
- User created field,

They can have several types: Text, Number, Yes/No, Date – Time and relationship

### 3. RELATIONSHIP :

A relationship means that a particular field can only hold a reference to another entity.

Eg: Foreign keys are equivalent to relationship

#### 4. RECORDS :

Records are single occurrence of the data contained in an entity. Records are the equivalent of rows in the relational data base model.

### UIPATH DATA SERVICES REQUIREMENT:

1. UI Path studio 2010.10 or higher enterprise or community edition.
2. UI Path assistant or Robot connected to modern folder in cloud account
3. Data service enabled on the Tenant

### ENABLING THE DATA SERVICE

1. Go to the Automation Cloud and log in with your UiPath account.
2. Click on the Admin button.
3. Click on Tenants to display the list of available tenants
4. Click on the overlay menu at the right of the tenant for which you want to enable the Data Service and select Edit Services.
5. In the Edit Services panel, select UIPATH DATA SERVICES. Click Save.

### CREATING AN ENTITY

6. In your Automation Cloud account, navigate to Data Service from the left-side navigation bar.
7. Click Create New Entity. The Create Entity panel opens.
8. Enter a Display Name for the entity and, optionally, a Description.  
The Display Name can be alpha-numeric, but it must start with a letter. It can have between 3 and 20 characters.  
The Name field can be modified. This is the name displayed when you import the entity in Studio.
9. Click Save.

Entities Create New Entity

Search

Use in Studio Refresh

Display Name	Name	Description	# of Fields	# of Records	Last modified on
StudentActivities	StudentActivities	About Student Activities	8	0	44 minutes ago
Students	Students	Student Details	9	0	32 minutes ago
System Users	SystemUser	Contains Automation Cloud users and groups that have ever had roles assigned, or accessed Data Service	7	5	8 hours ago

Show 20
1 – 3 of 3

The new entity is displayed in your Entities list.(Ex Students,StudentActivities)

## CREATING FIELDS

- To customize your entity by creating a specific filter follow the steps below:
- In the Entities list, select the entity for which you want to add a field. The Fields tab is displayed with the list of fields defined for the entity.
- Click on Create New Field.
- In the **Create Field** panel enter a display name for the field in the **Display Name** field.
- Select the filed Type using the drop-down list.
- If the field must have a value, select the Required checkbox.
- Click More details to display the additional fields.
- Enter a value for the available fields. The required fields are marked with an asterisk symbol.
- Click on Save.

Entities > Students Create New Field Add data

Fields

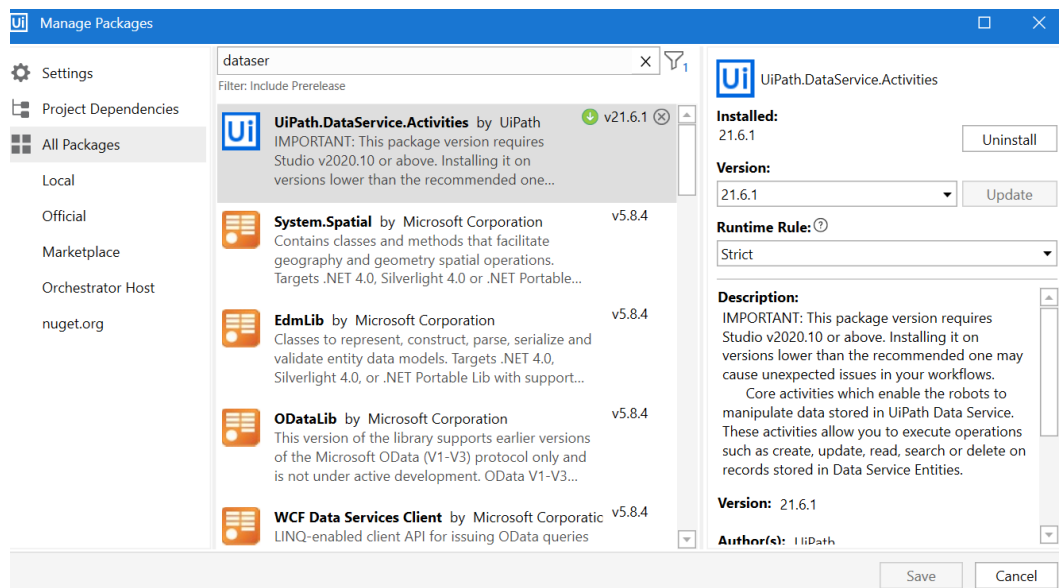
Data

Search

Refresh

Display Name	Name	Type	Required	Description	Last modified on
Id	Id	UniqueId	Yes	System built-in field	5 hours ago
Age	Age	Text	Yes		39 minutes ago
FirstName	FirstName	Text	Yes		5 hours ago
LastName	LastName	Text	Yes		5 hours ago
StudentID	StudentID	Text	Yes		an hour ago
CreatedBy	CreatedBy	Relationship	Yes	System built-in field	5 hours ago
CreateTime	CreateTime	Date-Time	Yes	System built-in field	5 hours ago

## ENABLE UIPATH DATA SERVICES ACTIVITIES



## IMPORTING ENTITIES:

19. Click the Manage Entities ribbon button; Pop Window will appear like below.
20. At first, you will not see any entities listed here; You need to click refresh [Icon just Below Close] to get all your entities.
21. Once you see the list, You can tick them and save so that you can collect, update, and pass data to UIPATH DATA SERVICES.
22. Make sure, that if you make any changes to the entity at the level of the tenant, use the Refresh button inside the Manage Entities window before actually importing it. (So that changes gets reflected.)

Ui

Manage Entities

UiPath Data Service

What are entities? [?](#) [↺](#)

Search Entities

<input checked="" type="checkbox"/>	Entity Name	Changes	Fields	Records
<input checked="" type="checkbox"/>	StudentActivities		8	0
<input checked="" type="checkbox"/>	Students		9	0
<input checked="" type="checkbox"/>	SystemUser		7	5

Namespace

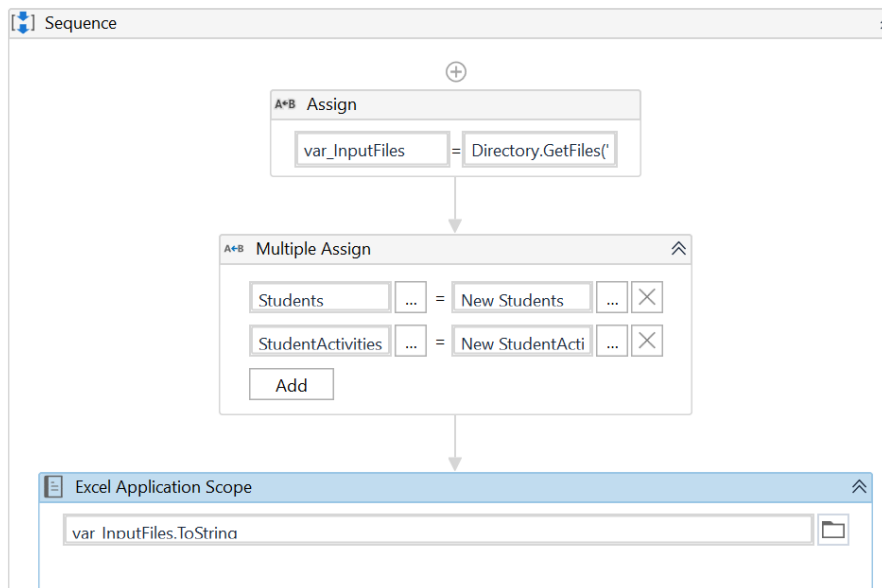
DataServicePractices

Save

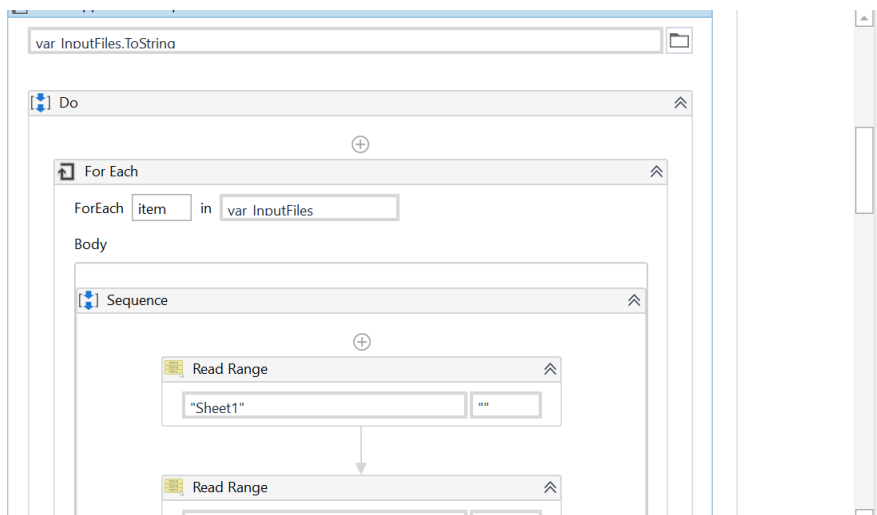
Cancel

## EXPLANATION OF WORKING EXAMPLE:

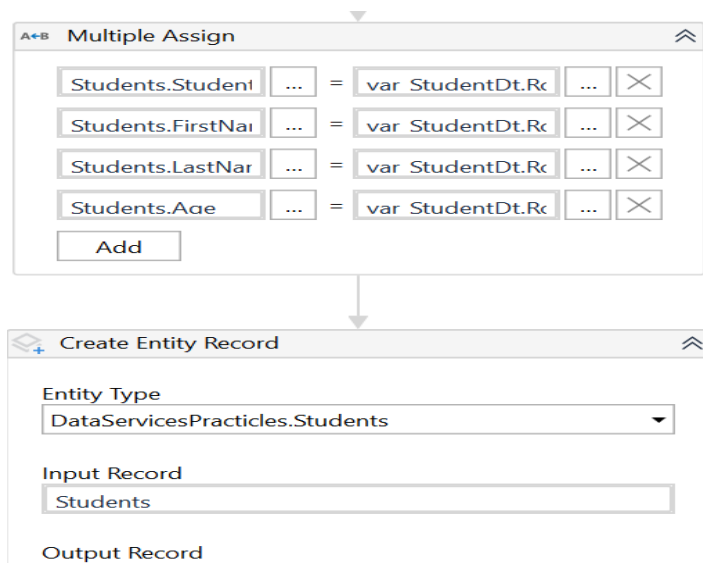
### STEP 1:



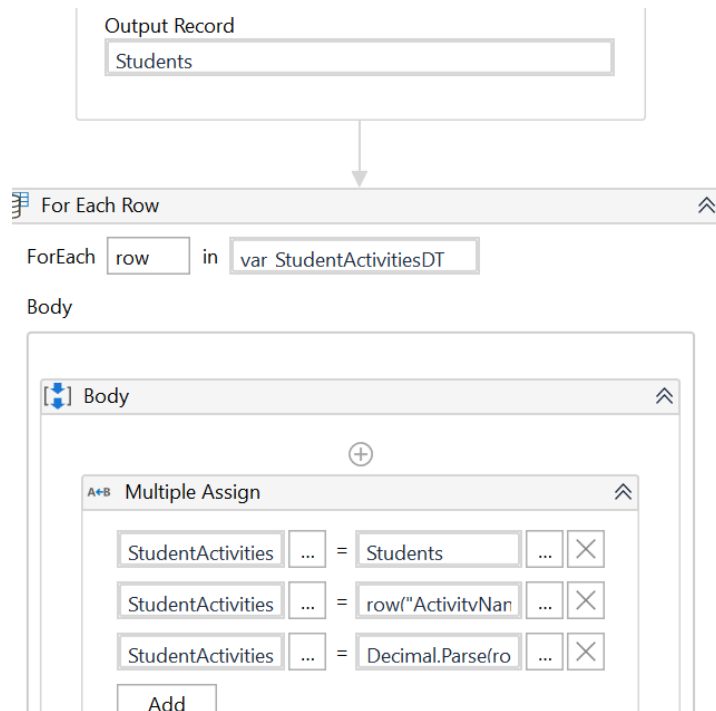
## STEP 2:



## STEP 3:



#### STEP 4:



#### STEP 5:

