UofT-Workspace Setup Steps

**Step 1: Create User**

API URL:<https://workflow4-apigateway-73a0ulw7.uk.gateway.dev/invoke_workflow>

Request/API Type: Synchronous

Request Body:

{

"familyName": "First",

"givenName": "Demo"

"researcher\_id": "Q0003"

}

Response Body:

b'OK'

<Response [200]>

**Once the User is created, we can check the user details using below api, which will fetch the user details as well the billing creation URL for the researcher.**

**Step 2: Get Uoft-Workspace Details**

API URL: <https://workflow4-apigateway-73a0ulw7.uk.gateway.dev/get_user_details>

Request/API Type: Synchronous

Request Body:

'{"researcher\_id":"Q0003"}'

Response Body:

'{"billing\_account\_create\_url":"https://console.cloud.google.com/billing/create","email\_id":"third.demov2q0002@healthdatanexus.ai","password":"Ou1yvQH%X5zZ","researcher\_id":"Q0002","user\_activity":[{"activity\_status":"success","activity\_time":"2021-12-17 10:39:47.388325","activity\_type":"add\_user\_to\_cloud\_identity"},{"activity\_status":"success","activity\_time":"2021-12-17 10:39:48.199262","activity\_type":"attach\_billing\_account\_creator\_role"}],"user\_status":"user\_added\_in\_cloud\_identity","workspace\_setup\_status":"Billing\_Setup\_Pending"}’

**For further steps, we can use the researcher email id for requests**

**Email\_id:** demo.firstq0003@healthdatanexus.ai

**Step 3: Setup UofT-Workspace with Billing ID**

API URL:<https://test18-apigateway-73a0ulw7.uk.gateway.dev/v1/createproject>

Request/API Type: Synchronous

Request Body:

'{"billingaccount":"01EBC6-CC08C0-CBB606","email\_id":"demo.firstq0003@healthdatanexus.ai"}'

Response Body:

{"email\_id":"demo.firstq0003@healthdatanexus.ai","project\_id":"researcher-26qkps51gnb1x-abcd0","status":"SUCCESS"}

**Step 4: Launch UofT-Workbench**

API URL:

<https://test18-apigateway-73a0ulw7.uk.gateway.dev/v1/rstudio>

<https://test18-apigateway-73a0ulw7.uk.gateway.dev/v1/jupyternotebook>

Request/API Type: Synchronous

Request Body:

'{"email\_id":"demo.firstq0003@healthdatanexus.ai","machinetype":"n1-standard-4","region":"us-central1","dataset":"dataset12"}'

Response Body:

{"build\_id":"4d6fd9c5-4dd8-48ec-b53f-f76aad121909","creationTimestamp":"2021-12-15T11:46:48.390-08:00","dataset":"dataset1","dataset\_id":"groups/02zbgiuw3utz3ad","id":"**8296019589319882952**","machinetype":"https://www.googleapis.com/compute/v1/projects/researcher-26qkps51gnb1x-abcd0/zones/us-central1-a/machineTypes/n1-standard-4","name":"workspace-dataset1-rstudio","region":"us-central1","serviceAccounts":[{"email":"gcp-service-acc-dataset1-r@researcher-26qkps51gnb1x-abcd0.iam.gserviceaccount.com","scopes":["https://www.googleapis.com/auth/cloud-platform"]}],"state\_file\_path":"researcher-26qkps51gnb1x-abcd0-workspace-dataset1-rstudio","status":"SUCCESS","type":"rstudio","url":"35.232.180.22","zone":"us-central1-a"}

{"activity":[{"activity\_name":"jupyternotebook-workbench\_creation","activity\_status":"SUCCCESS","activity\_time":"2021-12-17 08:03:18.321703+00:00"}],"build\_id":"f43fb1cf-9a17-4359-a0d1-2d0a7b8bfe8c","creationTimestamp":"2021-12-16T23:59:59.299-08:00","dataset":"dataset12","dataset\_id":"groups/01d96cc02yzvs93","id":"**5495768317544234385**","machinetype":"https://www.googleapis.com/compute/v1/projects/researcher-f3ixxyqgyfmph-abcd2/zones/us-central1-a/machineTypes/n1-standard-4","name":"workspace-dataset12-jupyterlab","region":"us-central1","serviceAccounts":[{"email":"gcp-service-acc-dataset12-j@researcher-f3ixxyqgyfmph-abcd2.iam.gserviceaccount.com","scopes":["https://www.googleapis.com/auth/cloud-platform","https://www.googleapis.com/auth/userinfo.email"]}],"state\_file\_path":"researcher-f3ixxyqgyfmph-abcd2-workspace-dataset12-jupyterlab","status":"succcess","type":"jypyternotebook","url":"41190c1b2f92ca25-dot-us-central1.notebooks.googleusercontent.com","zone":"us-central1-a"}

**We can make note of the Workbench ID for rstudio and jupyter for further steps.**

**Rstudio Workbench ID:** 8296019589319882952

Jupyter Workbench ID: 5495768317544234385

**Step 5: Update UofT-Workbench**

API URL:

<https://test18-apigateway-73a0ulw7.uk.gateway.dev/v1/updaterstudio>

<https://test18-apigateway-73a0ulw7.uk.gateway.dev/v1/updatenotebook>

Request/API Type: Synchronous

Request Body:

'{"email\_id":"demo.firstq0003@healthdatanexus.ai","id":"819923162821137165","machinetype":"n1-standard-2"}'

Response Body:

{"email\_id":"demo.firstq0003@healthdatanexus.ai","id":"8296019589319882952","machinetype":"n1-standard-2","name":"workspace-dataset1-rstudio","project\_id":"researcher-26qkps51gnb1x-abcd0"}

**Step 6: UofT-Workbench Stop and Start**

API URL:

Rstudio

<https://test18-apigateway-73a0ulw7.uk.gateway.dev/v1/stop>

<https://test18-apigateway-73a0ulw7.uk.gateway.dev/v1/start>

Request/API Type: Synchronous

Request Body:

'{"email\_id":"demo.firstq0003@healthdatanexus.ai","id":"3752621948875674618"}'

Response Body:

{"email\_id":"demo.firstq0003@healthdatanexus.ai","id":"8296019589319882952","name":"workspace-dataset1-rstudio","project\_id":"researcher-26qkps51gnb1x-abcd0","status":"TERMINATED"}

**Step7 : UofT-Workbench Deletion**

API URL:

<https://test18-apigateway-73a0ulw7.uk.gateway.dev/v1/destroyrstudio>

<https://test18-apigateway-73a0ulw7.uk.gateway.dev/v1/destroynotebook>

Request/API Type: Synchronous

Request Body:

'{"email\_id":"demo.firstq0003@healthdatanexus.ai","id":"819923162821137165","machinetype":"n1-standard-2"}'

Response Body:

{"email\_id":"demo.firstq0003@healthdatanexus.ai","id":"1372979908184632106","name":"workspace-dataset3-jupyterlab","project\_id":"researcher-26qkps51gnb1x-abcd0","status":"DESTROYED"}

**Step8: UofT-Workspace Deletion**

API URL:

<https://test18-apigateway-73a0ulw7.uk.gateway.dev/v1/destroyproject>

Request/API Type: Synchronous

Request Body:

'{"email\_id":"demo.firstq0003@healthdatanexus.ai"}'

Response Body:

{"email\_id":"demo.firstq0003@healthdatanexus.ai","project\_id":"researcher-26qkps51gnb1x-abcd0","status":"SUCCESS"}