The ECL Cloud IDE

Develop & share code using a browser and store it on the cloud. Nothing to Install!
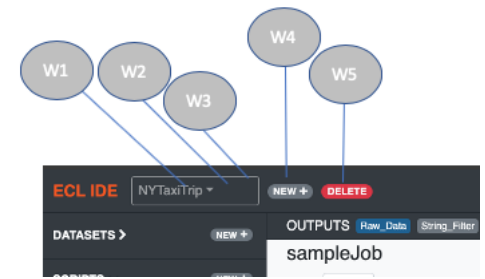
W4 W1 W2 W3 W5 D1 D2 O2 O1 S1 S2 S3 S4 S5 S6 S7 S8

ECL IDE   NYTaxiTrip ▾   NEW +   DELETE   ❓ Help ▾   👤 arjunachala   ➡ Logout

DATASETS ❯   NEW +

OUTPUTS Raw_Data String_Filter Fare_Amount_Filter Passenger_Count_Filter

sampleJob

Show 25 ▾ entries   Search: [   ]

SCRIPTS ▾   NEW +
📄 cleanJob
📄 taxiFiles
📄 sampleJob

vendor_id ⇅	tpep_pickup_datetime ⇅	tpep_dropoff_datetime ⇅	passenger_count ⇅	trip_distance ⇅	pickup_longitude ⇅	pickup_latitude ⇅	rate_code_id ⇅
2	2016-06-09 21:06:36	2016-06-09 21:35:11	1	5.22	-73.981719970703125	40.736667633056641	1
2	2016-06-09 21:06:36	2016-06-09 21:13:10	1	1.26	-73.994316101074219	40.751071929931641	1
2	2016-06-09 21:06:36	2016-06-09 21:36:10	1	7.39	-73.98236083984375	40.773891448974609	1
2	2016-06-09 21:06:36	2016-06-09 21:23:23	1	3.10	-73.987106323242187	40.733173370361328	1

RUN ▶ **SYNTAX ☑** **LAST RESULTS ⊙** TARGET: thor ▾   ─ ⬜ ✕

```
1  IMPORT taxiFiles;//Import the taxi files module. Refers to file layout and data
2
3  OUTPUT(taxiFiles.raw,,NAMED('Raw_Data')); //Display all records
4
5  OUTPUT(taxiFiles.raw(fare_amount = '22'),,NAMED('String_Filter')); //Filter – But it is not optimal to do string comparison
6
7  OUTPUT(taxiFiles.clean(fare_amount > 50),,NAMED('Fare_Amount_Filter')); //Filter – Much better
8
9  OUTPUT(taxiFiles.clean(passenger_count >= 2),,NAMED('Passenger_Count_Filter'));//Filter
```

Setting up your Workspace W

The Workspace is your logical container that stores script files and links to useful cluster datasets.

W1 — This is the workspace (or project) that you want to work with. Select it using the dropdown.

W2 — In cases where you want to share a workspace, simply click on the share button and copy the link that can be shared with a friend or colleague.

W3 — Edit the workspace properties. (Also see slide X to see how to setup an workspace)
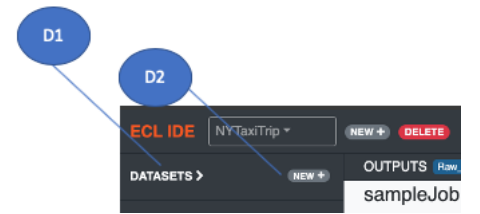
W4 — **Create a new workspace.**

W5 — Use caution while deleting the current workspace.

Working with Datasets D

While this is not the only way you can reference a dataset from the cluster, the dataset list provides you a visual representation of the datasets you are referencing in the project. For example, you can drag and drop fields and record layouts to automatically create a schema reference to an existing dataset.

D1   A list of Datasets (from a cluster) that is used by the workspace

D2   Create a new Dataset by uploading a file

Scripts (S)

Scripting is why the ECL Cloud IDE was created. An easy way to write ECL and HAQL scripts, execute and evaluate the results. All done in a cloud environment.

(S1) The list of script files that can be (optionally) organized into directories.

(S3) Highlights the currently open script file

(S3) Create new script files or directories

(S4) The code editor (ECL or HAQL scripting)

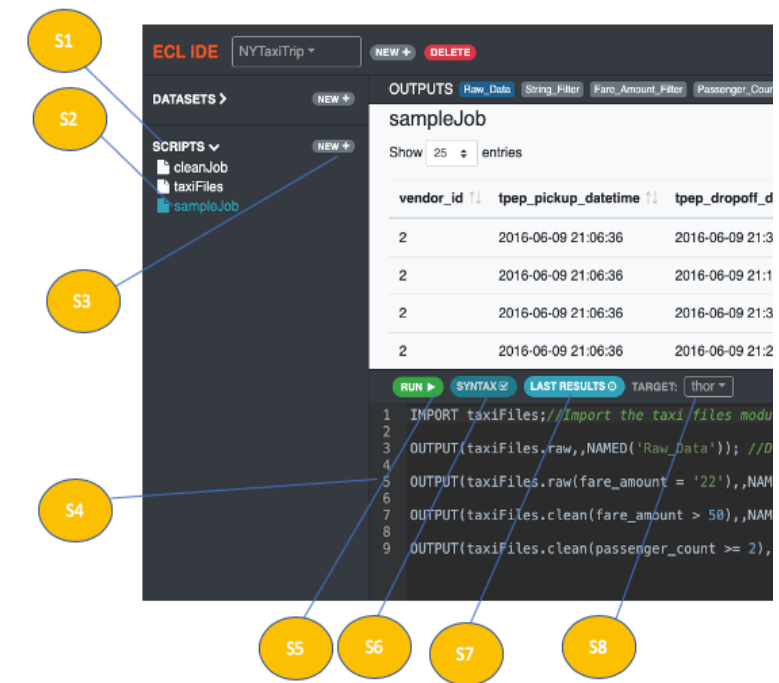**(S5)** Run or Execute the opened script (This also depends on (S8))

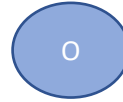**(S6)** Check if the code is syntactically correct

(S7) Display the last know results of execution/run of this code

(S8) The name of the cluster that you want to run the script (Remember an HPCC Data Lake can have multiple clusters)

OUTPUTS

O

Do you want to know the results of your data analysis? The Output pane displays results as tables or charts or dashboards

O1   The results content area

O2   You have multiple results in an ECL job? All the outputs are displayed in a tabs layout