QuerySurge

ETL TESTING AUTOMATION TOOL

How QuerySerge is useful

QuerySurge Automates your Data Warehouse & ETL Testing

Improves Data quality

Reduces Cost and Risk

Accelerate your testing cycles

Reduces manual work

Integration with ETL tools

It has command line API which make it flexible to use

Through its command line API we can use it with DataStage

Execute Command stage in sequence job can be used for this purpose

Reporting in QuerySurge

It has highly customizable built-in Reports support

Multiple filters can be applied on reports

CMD line API SQL parameters

SQL paramets are not yet supported.

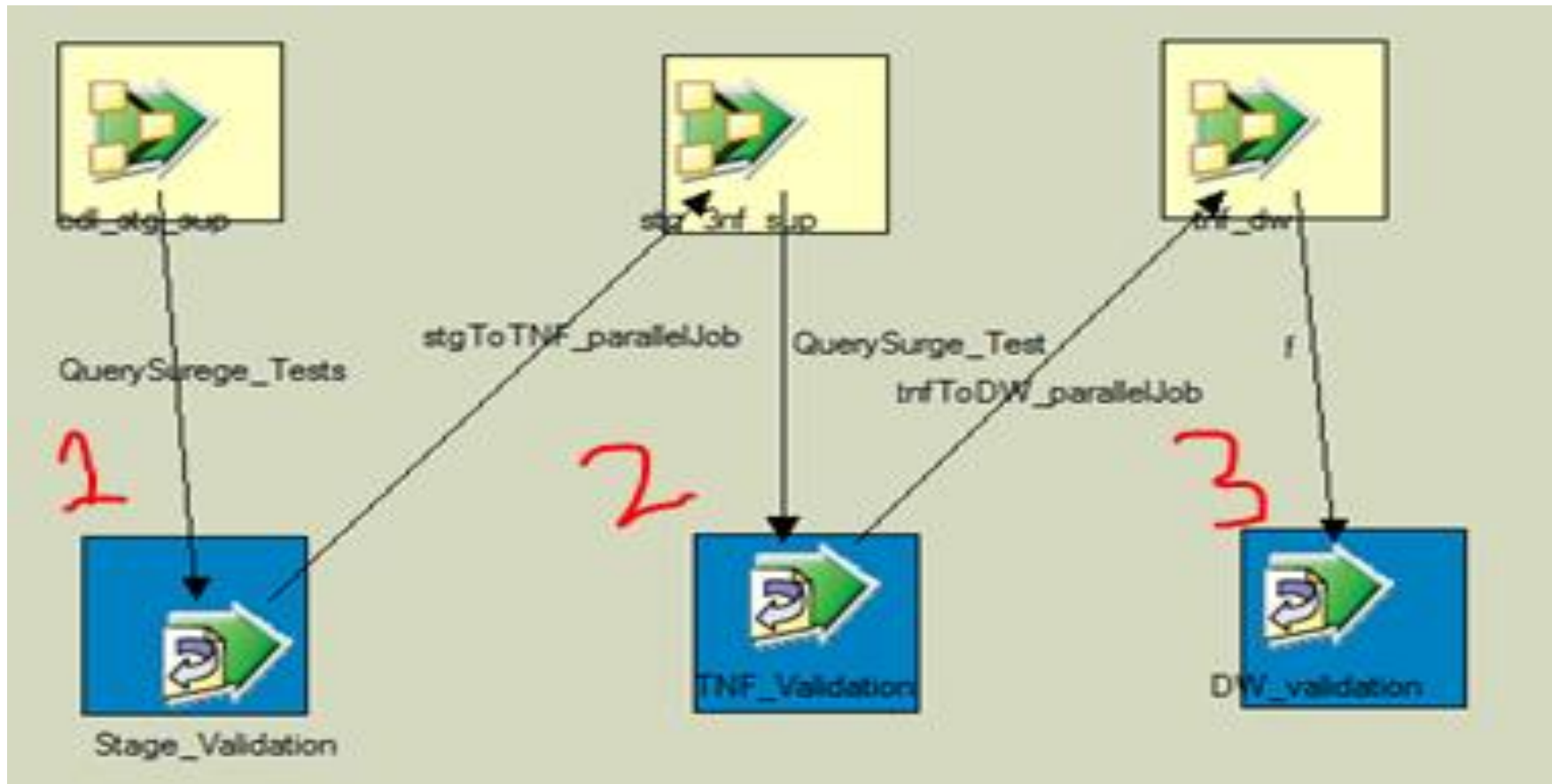Expected in future releases

Jeff Bocarsly
RTTS

Asad

At this point the QuerySurge API does not have this feature. SQL Parameters is something that is on the product roadmap, however.

Regards
Jeff

December 26, 2014 08:34

Ref: https://querysurge.zendesk.com/requests/672

DataStage Example sequence job

DataSurge Suite after data loading

The component shown (Execute Command) will call a batch file from DataStage to execute Data Suite from DataSurge. The batch file has the commands which uses command line API to achieve the goal.

The test pass/fail report can be generated and notifications can also be sent, all this is handled automatically by QuerySurge
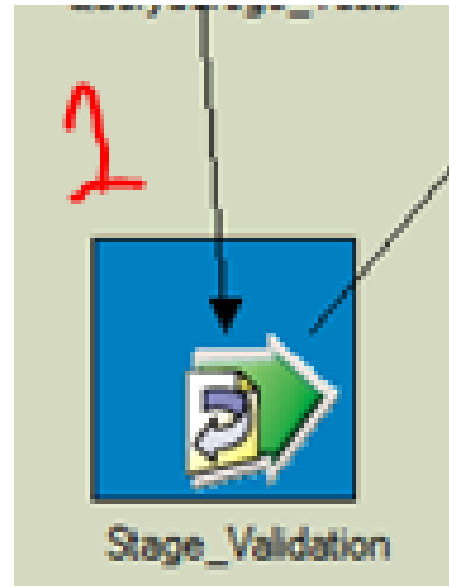
DataSurge Suite after data loading

These are similar calls to different suits written in QuerySurge. We can write different batch files which can call our test suits according to our need.

QuerySurge makes the testing process for ETL jobs really easy, manageable and streamlined.
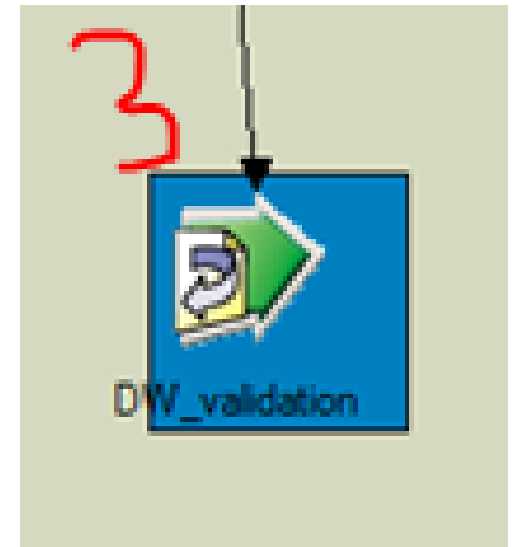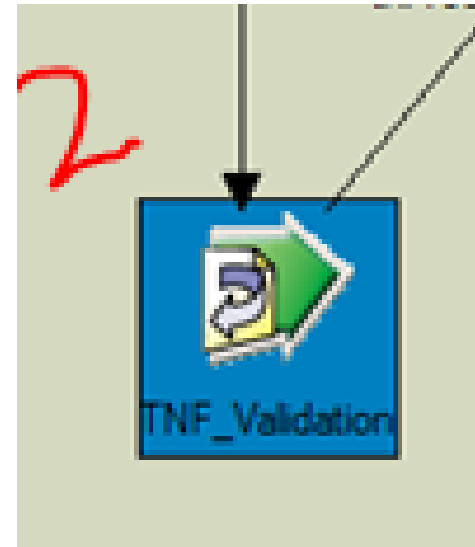
QuerySurge: Making a Data Suite
Step 1: Creating a query pair

A query pair has a source and destination database for comparison.

We write queries to test if expected behavior exists or not.

After running the query pair the result is either PASS/FAIL

A query pair fails if one database entry behaves unexpectedly
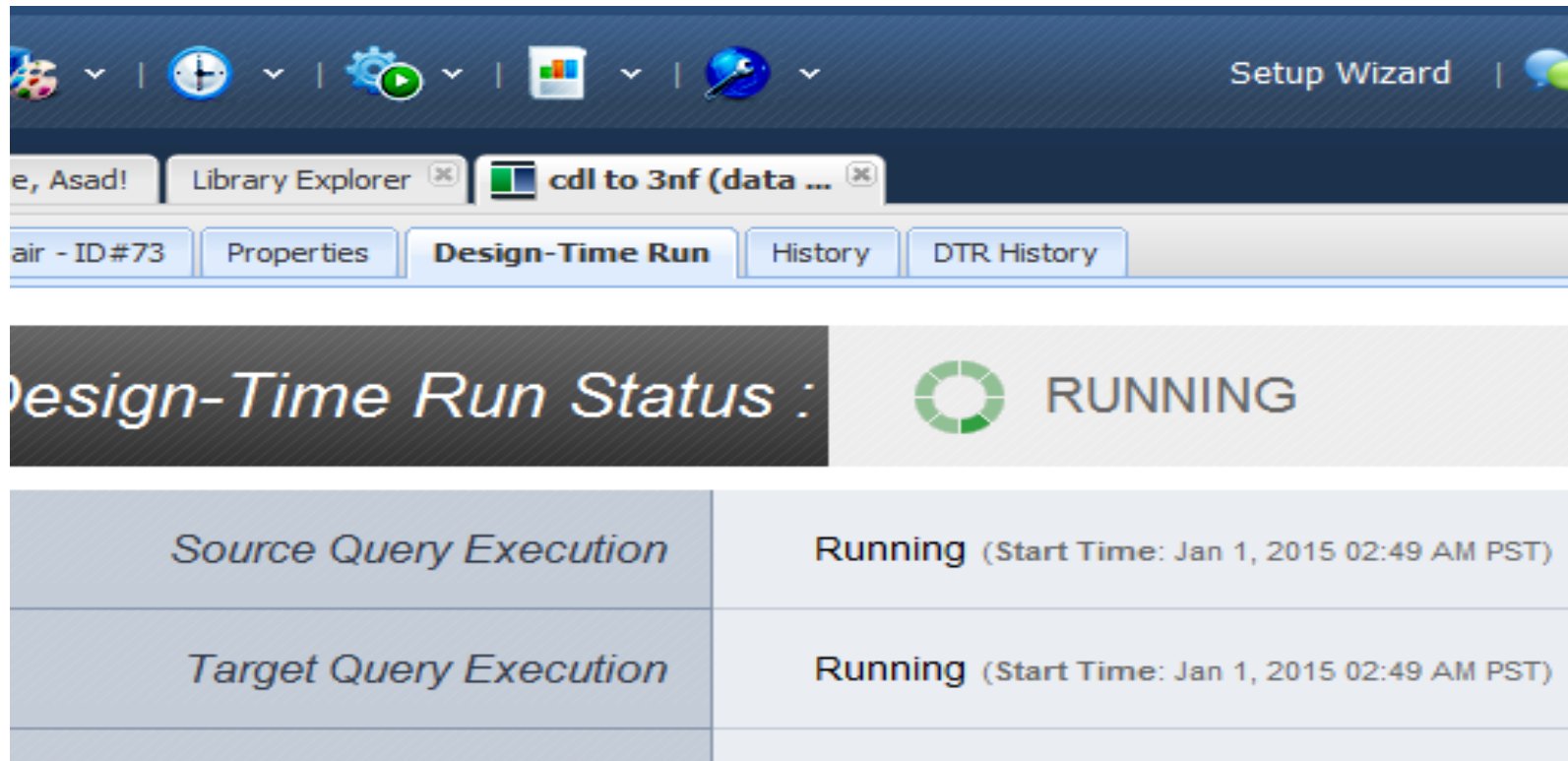
Step 1: Creating a query pair

Go to: Design Library > QueryPairs > Create New QueryPair
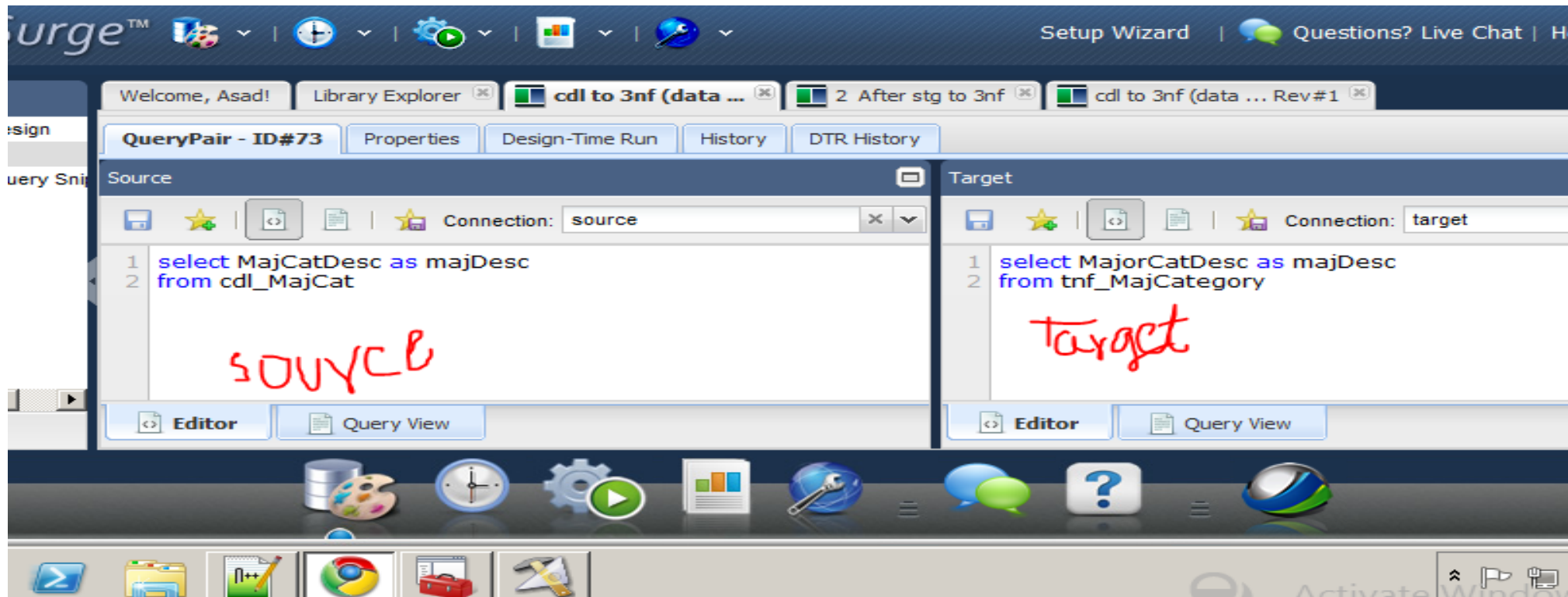
Step 2: Execute/Run QueryPair

After we click Design-Time Run > Run, the running state is shown below.

Step 2: Execute/Run QueryPair (Failure)

One row mismatched in this scenario, Due to that the test failed; for a test to be successful all the data must match.

Step 2: Execute/Run QueryPair (Failure)

The details can be seen, we can view source and column table, queries and the rows mismatched and eventually resulted in failure of the query pair.
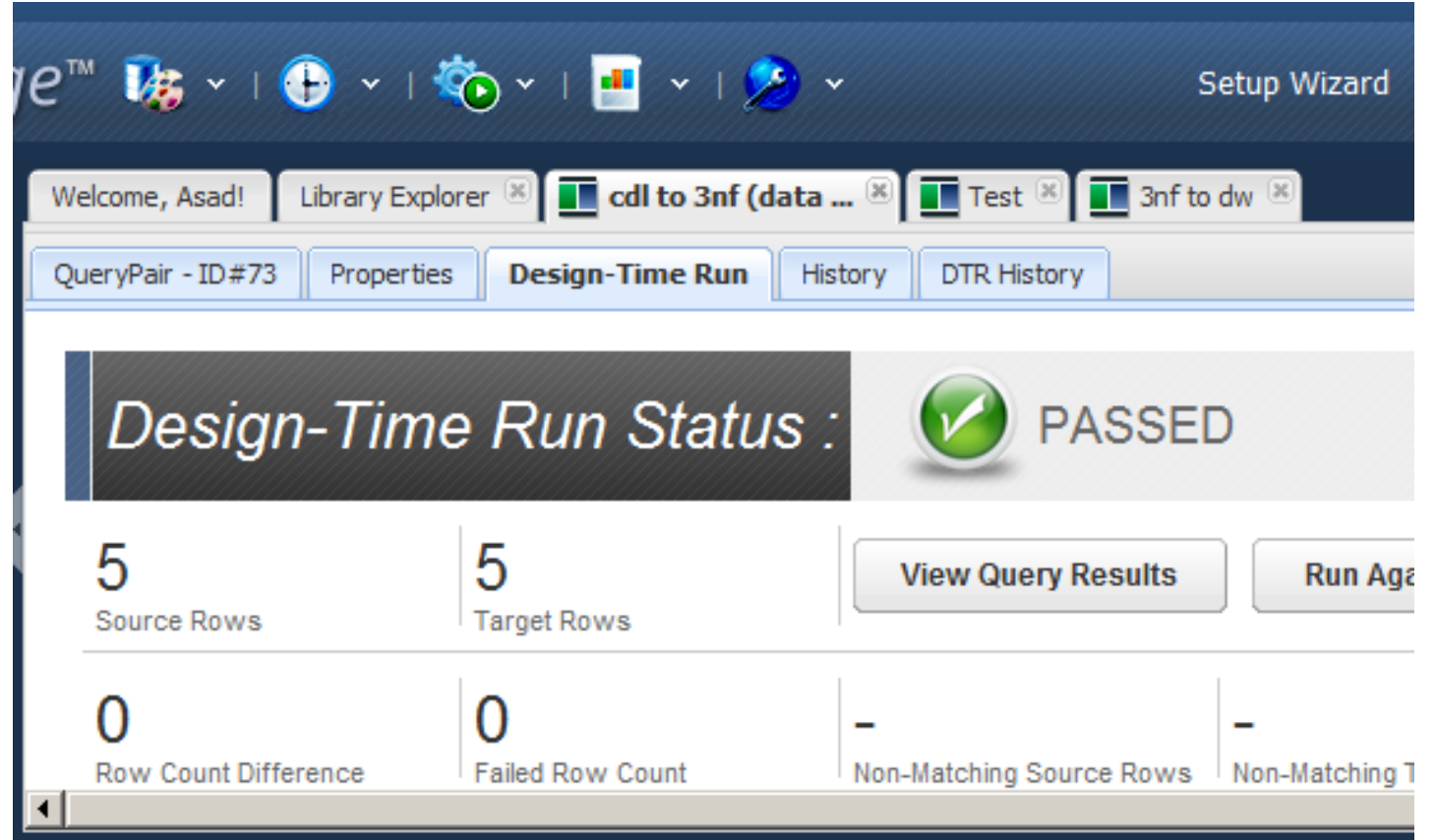
Step 2: Execute/Run QueryPair (Success)

All the rows matched exactly according to the query pair source and target SQL queries.

Step 3: Creating Test Suite

Go to: Menu > Create Test Suite
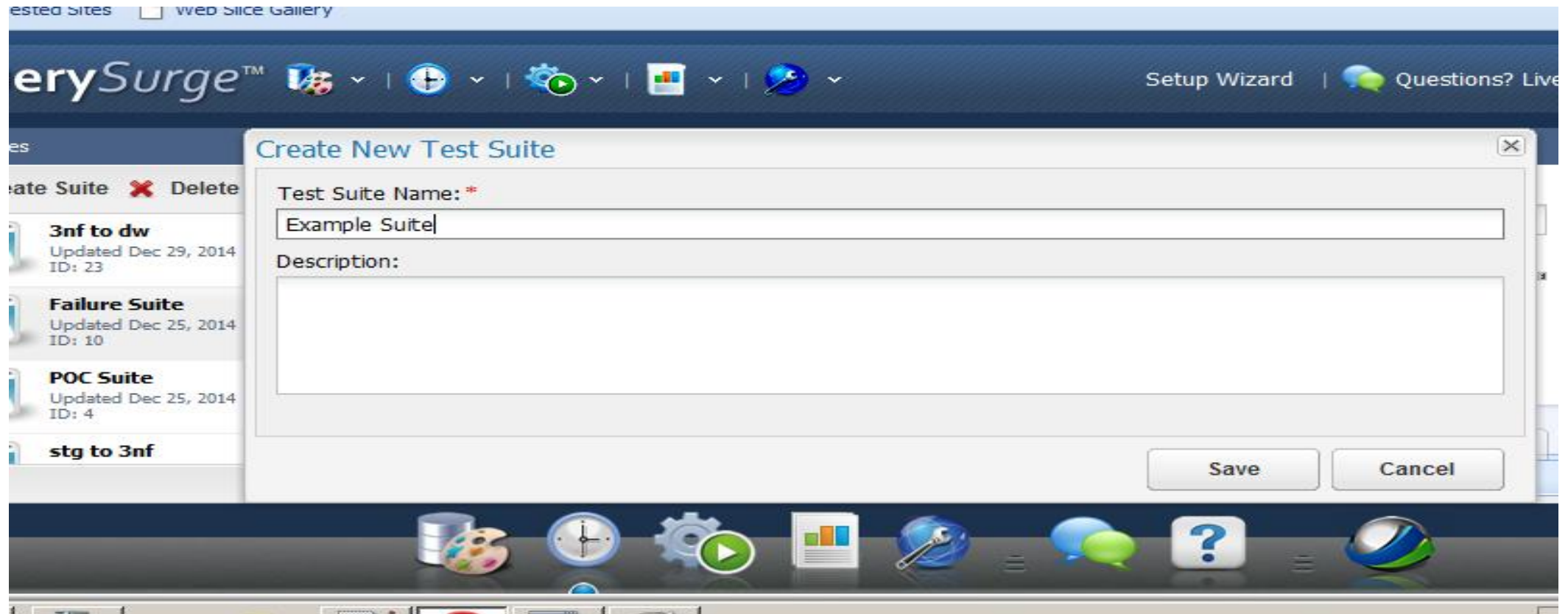
Step 3: Creating Test Suite

Include the required query pair/s in the test suite

Drag/Drop query pairs to include in a test suite

Step 4: Execute/Run Test Suite

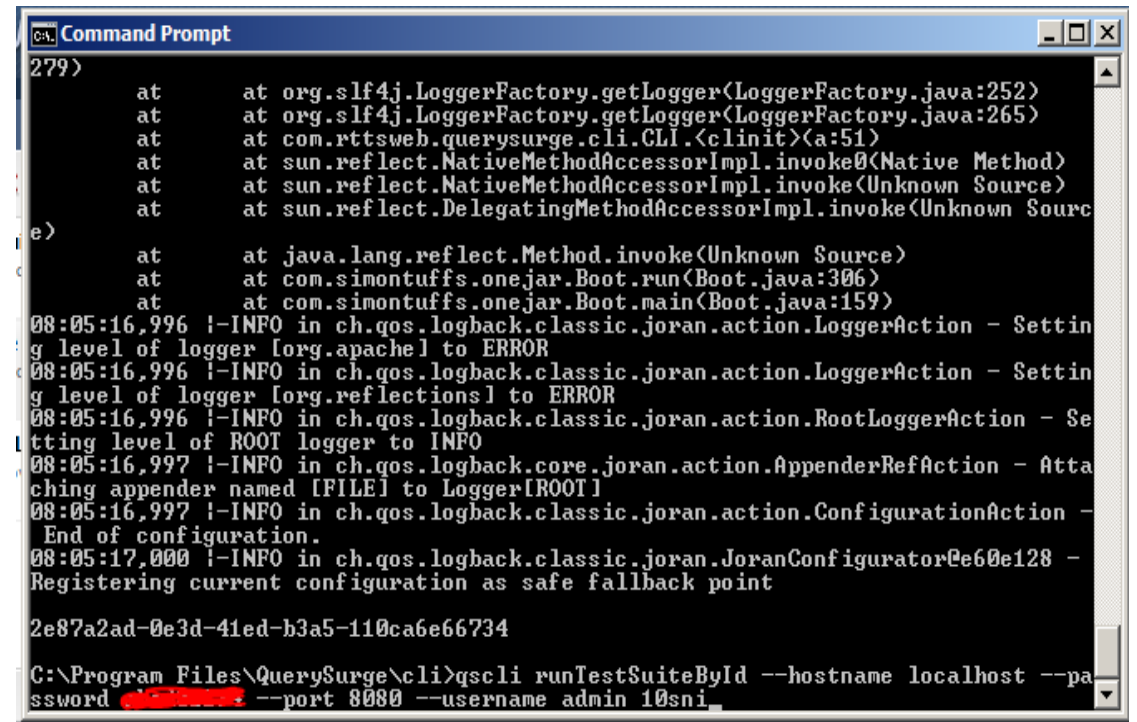Right Click a Test Suite and click 'Run Now' To run it

Step 5: Execute/Run Test from CMD

We can also run a test suite using command line API

Commands are given in the documents which come with the product

We can use command line API to run suits from any ETL tool

Step by step guide to run a suite from DataStage is give in word document in parent folder.
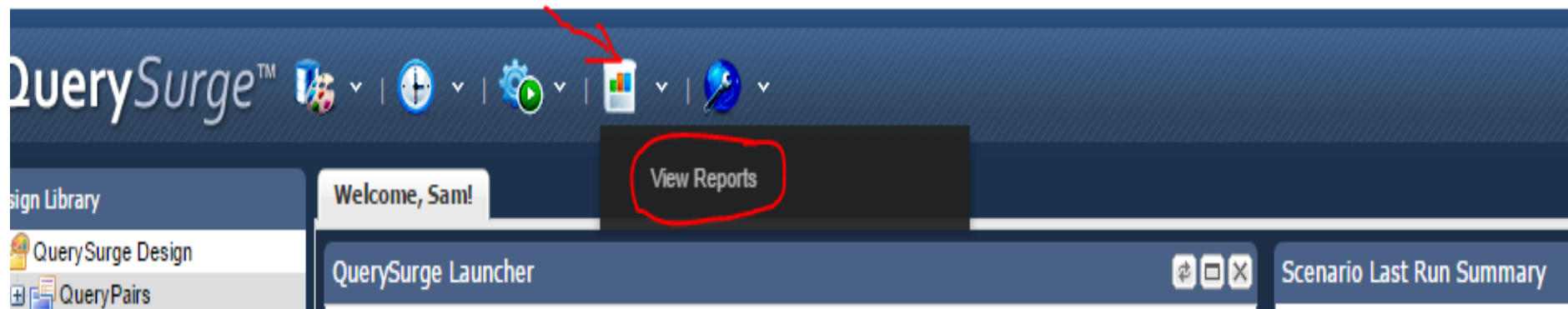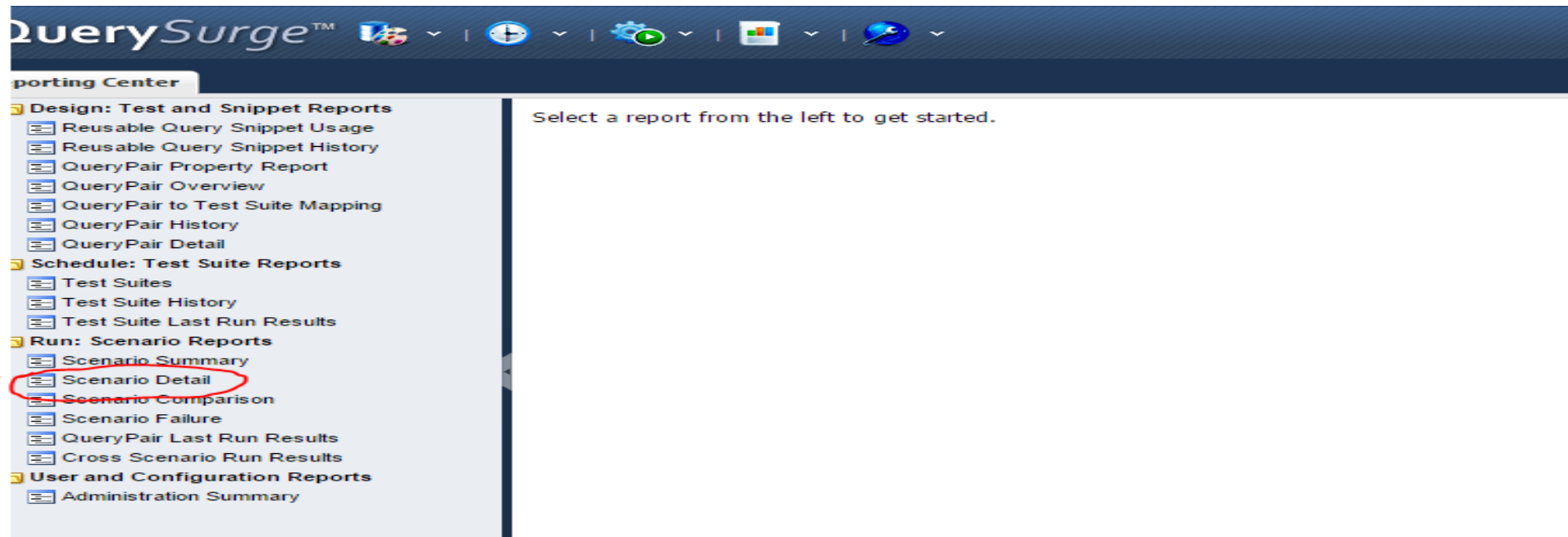
Step 6: Generating reports

After successful execution of the suite, we can generate reports to get insight. The reports give us detailed information about the error, successful or failed execution and the contaminated row number in case of contamination. We can export the reports in word or .pdf format.
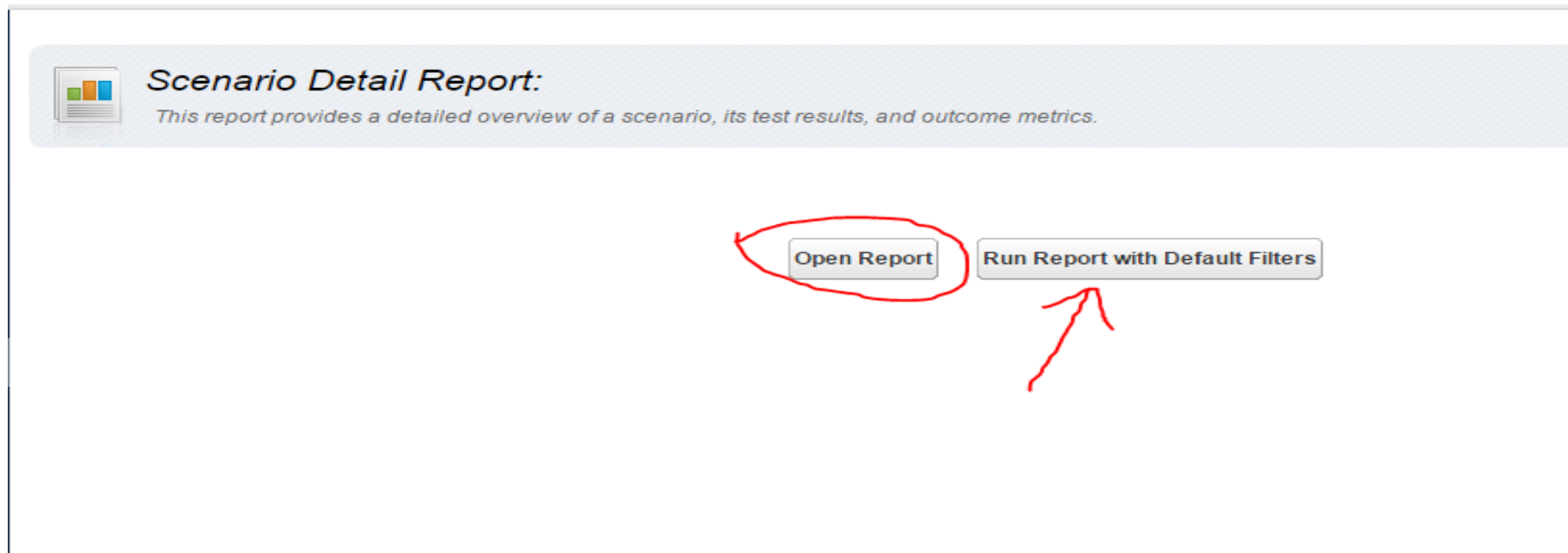
Step 6: Generating reports

Click of scenario details to get the
details.

Step 6: Generating reports

Click on 'Run Report with default filters' to run the report. We can apply different type of filters to get required info. The log of the previous reports can also be seen by clicking of 'Open Report'

The Detailed view of report: Page1

The Detailed view of report: Page2

Test Suite Details

Name	# of tests	Agents	Failures	Passed	Errors
POC	3	WIN2008DS1	0	3	0

QueryPair Results

POC

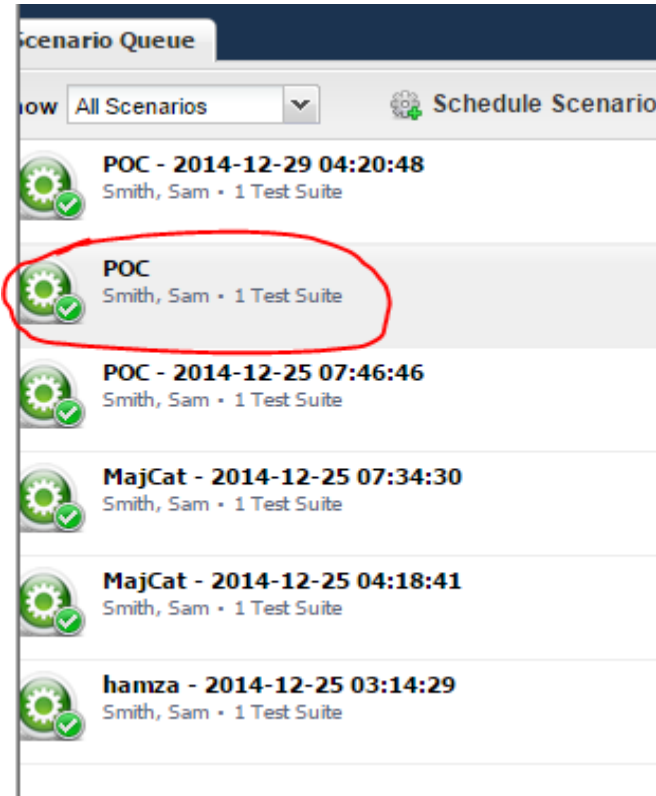| ID	Name	Outcome	Source Row Count	Target Row Count	Row Count Difference	Data Failure Count
73	hamz	✅ Passed	5	5	0	0
74	MajCat	✅ Passed	6	6	0	0
75	POC	✅ Passed	1	1	0	0

Step 7: Running Dashboard

Dashboard gives us the detailed view, statistics and graphs.
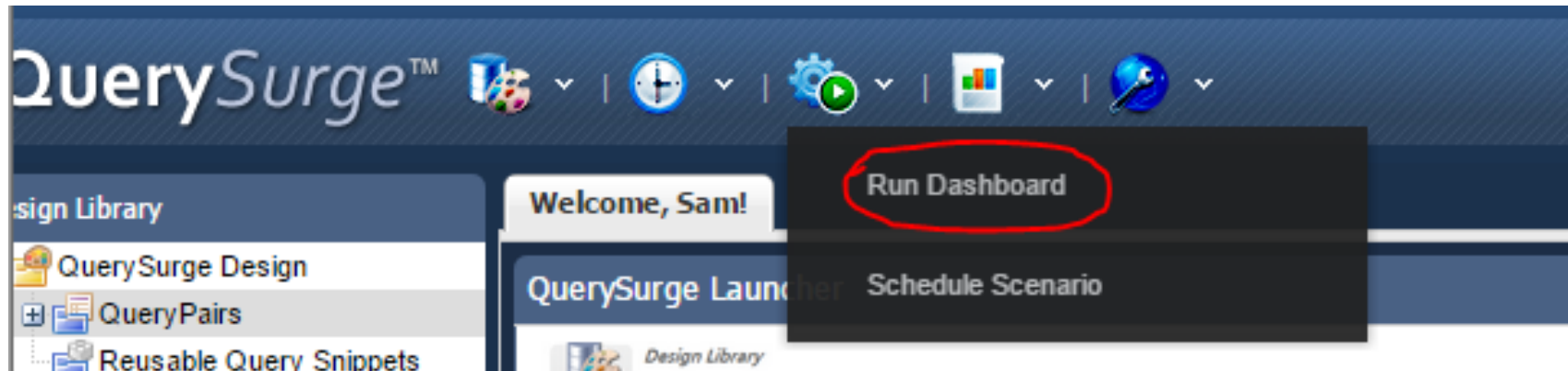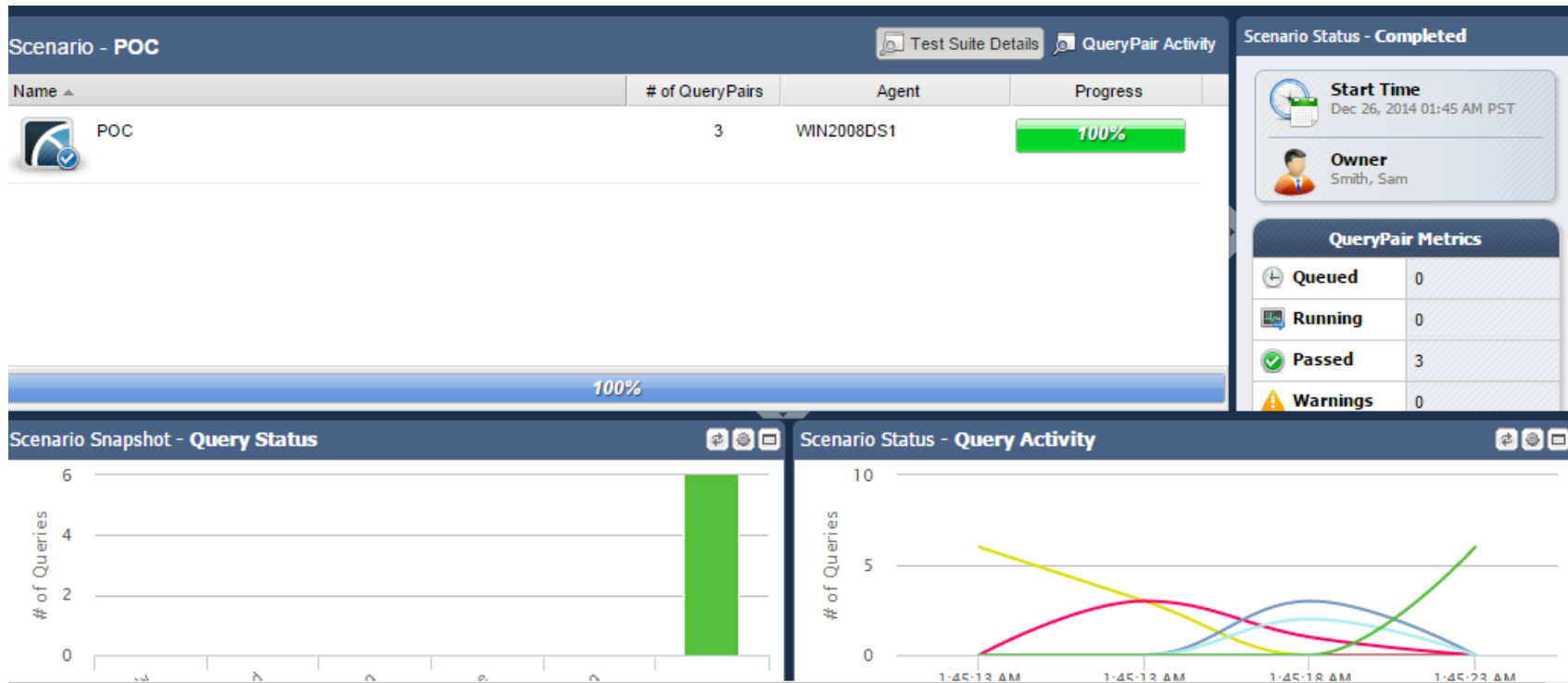
Step 7: Running Dashboard

Select a Test Suite to run its dashboard

Step 8: Charts and info

Below graphs give us the detailed information.

References

http://talkcs.blogspot.com/2014/12/querysurge-and-datastage-etl-integration.html

https://querysurge.zendesk.com/requests/672

QuerySurge Official Site: http://www.querysurge.com/