



# Case Study: Toronto Hydro – SAP QA Program (Test Automation Solutions for Test Data Management)

## Workorder Creation Automation for MRP Run Performance Stress Testing

### TEST OBJECTIVE

- Performance Stress Testing of the new SAP-based MRP Run to confirm ability to support peak load

### MANUAL TIME ENTRY

- Minimum of 4 hours to enter 80-100 workorders as required per test run

### RESULTS

- Performance Stress Testing of the new SAP-based MRP Run to confirm ability to support peak load

### AUTOMATED TIME ENTRY

- 1 hour per test run. Also supports concurrent execution on multiple machines

### CHALLENGE & TEST REQUIREMENTS

How to create/getnerate test data (workorder creation) to support performance.

Stress testing in a fast, efficient and accurate manner to support:

- The QA Program's aggressive timelines
- Multiple iterations/cycles of testing

### SOLUTION & APPROACH

Utilize the MicroFocus/HP UFT Test Automation Platform to automate this workorder creation process:

- This automated approach would significantly reduce the time required to create/generate the test data
- Eliminates any chance for human error and required rework
- Enable repeated automated runs to support multiple test runs, test cycles and test phases

### DEMO

The screenshot shows a test log with columns for time, step number, and step description. The steps include actions like 'Browser closed successfully', 'navigate to Residential Login completed', and 'fill registration info'. The log ends with 'END OF TEST CASE ID [TH010.RegistrationWithInvalidEmails]-[Pass]'.

- and saved in time-stamped folders
- Three types of Report are generated:
  - HTML Report
  - TXT Report
  - EXCEL Report
- HTML Report displayed Test Cases with their Status. Failed test case can be expanded to show steps with the status.
- TXT Report displays Test Cases with all steps.
- EXCEL Report displays Test Cases with all steps.
- Log file contains all output sent from the code. It will help to analyze

