Overview:

API based Search Execution (ASE) tool is positioned at enabling automation of saved searches execution on Relativity platform. The saved searches in Relativity needed to be executed in timely manner to make the latest search results available for US stakeholders. The frequency of these searches' execution is daily (Weekday, Weekends) which involves a significant manual effort. The saved searches are large in number and also user needs to ensure that the Saved searches doesn't get missed and each one get executed completely.

"API based Search Execution (ASE)" has been built to automate the manual execution process and in the process lead to significant effort savings. Implemented solution executes the target saved searches based on user inputs. This version of ASE tool executes ASR Tower searches by taking advantage of the Relativity API interface and hence allowing the execution to happen on the backend. This will result in significant effort saving when compared to an approach where the execution was happening on the front end and lagged the pace that a user can bring to the process.

Enhancements

- Simple User Interface – ASE comes with a simple user Interface having provision to browse and select your input file, choose output path, enter Relativity URL, username and password.
- API based approach – The earlier version of this tool which was primarily built using Coded UI framework is now replaced with an API (API is an acronym for Application Programming Interface) approach. The API enables communication with Relativity backend system and uses the inbuilt API function libraries for all input/output scenarios. Hence there would be no execution that simulates user action on the front end.
- Simplified Input Sheet – Easy accessible input and output in form of excel document resulting in enhanced transparency.
- Executable solution – The tool is available in the form of executable file format (.exe) which can execute the desired requirements.
- Auto handling of Time-Out searches – The saved searches which take longer intervals (prone to Timed out) are handled in this tool version through API functions.
- System Multitasking – As the tool uses API, avoiding the need of UI interactions there is no requirement for the system to be idle while the execution is in progress. User can continue to use the system for other tasks while the execution is in-process.
- Ability to extract new saved searches – All the saved searches residing under a search folder inside relativity are extracted on to the column "Latest Extracted Searches List" in the input sheet. This list would be helpful for the user to identify any new searches which are not part of input sheet.
- Failed searches – All the failed searches would get highlighted in the file "Operations_Data_Output.xls" marked Red in color, bold font and Status column will change from "No Run" to "Fail" with the fail details.

  Scenarios leading to fail state are:

  - "Fail - Saved Search didn't get executed"
  - "Fail - Didn't find the matching Saved Search"
  - "Fail - Error message (Detailed failure message from the tool)"

- Re-Execution – All the failed searches can be re-executed by renaming “Operations_Data_Output.xls” file to “Operations_Data_Input.xls” file by setting the search status to ‘No – Run’.
- Timestamped Execution Output – Your Execution results will get updated in “Operations_Data_Output.xls” placed at browsed path with “\Output_ASE\Timestamp”. Where, “Output_ASE” Parent folder will be created during first execution and subfolder “Timestamp” will be created every day to store execution results with timestamp on the folder name in “mm.dd.yyyy hh.mm” format.

Tool Features/benefits and Future Scope

- Simple User Interface and User friendly.
- Provision to provide Relativity URL, Username and Password on the tool UI.
- Sequential Execution of saved searches with complete coverage according to input sheet.
- Ability to accommodate any number of searches.
- The total execution time has been improved compared to previous release by 50%.
- Exception handling mechanism.
- Ability to re-execute any failed searches with minimal effort.
- Consistent usage of ASE Automation Tool will result in 95% reduction of manual effort.
- Reusable across similar projects
- Open for Customizations and Enhancements.

Get in touch

*For additional information or to get involved, please contact the US India Advisory EDSC Process Automation