Autofile RPD - Proof of Concept workflow

Tuesday, February 23, 2016   10:05 AM

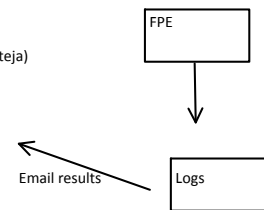http://is.factset.com/rpd/summary.aspx?messageId=21834947&commentId=21920905

Steps:

1. Select sample of test cases for pilot. To start - 1 test case, gradually add). Test which consistently do not report script errors. Picked from lists in RPD

Automation type	QA Team (Department)	Test Plan Name	Test Case Name	QA Lead
Test Complete	Platform QA	Export Data to PPT_AUTOMATED	TestDMExportDataPPTAsWordTable	Gazi Ferdousi
Selenium	Core	NIRN Sanity Check	NIRN : Filters, Print, Download, Search & Sort _Automated	Karen Hodgkins
Protractor	Analytics	auto-lhp	container-lhp	Prathima Gajarla

2. Tellus needs to identify which test cases are part of AutoFile
   a. Some config for tellus that can be modified by automation team, viewable by all.
      i. Test Case Name, Test Case ID, and Y/N Indicator , no simultaneous updates - as simple as possible - xls, txt file??
      ii. File stored in Tellus links section, even just a link Tellus LB could be used.
      iii. Cons: each automated run will have to check if in list for AutoFile. - but implication is minimal to start - as we scale, would want to consider ui flag in QAI or some other place.
      iv. Questions:
         1) Would quering DB for all really have performance concern? Shouldn't it be fast enough to go this route from getgo
         2) Autofile at job level? (CID)
         3) How to handle duplicate issues?

3. Update Parser with Autofile function
   a. Pick one parser type
   b. Update it with code for Autofile. All parsers will be written in Python. Ken says code will be reusable for other types. (K rishnateja)
   c. Apply to all 3 automation types
      i. Utilize QAI Autofile
      ii. Tellus send QAI info to file at Test Case level
         1) Assign to Owner of TC and Scripter
         2) Analyst would review
         3) Preselect which RPD product/category combo (start with Automation + ?)
            1) Include link to tellus results (at chunk/ step / group level ?) ex: this chunk which is a part of this group, failed
            2) RPD should be same as tellus email
         4) Title = "This [Case] failed"
         5) Second run would be a manual initiated rerun, on Pass , SWP would be updated to Go but original RPD would stay open and on Ca llit for Manual review and cleanup. Do we update QAI to update previously field RPD with new results. Even for Adhoc reruns (add rpd update field)
         6) V1 - only for Status page runs.
         7) V2 - adhoc and autoresolve RPD

FPE

Logs

Email results

Updates Failed Tests to be hyperlink to Results Page
Change message at bottom to "completed" instead of "completed successfully"

Pass Count: 2 Fail Count: 2 Total: 4

Passed Tests	Failed Tests
rate-shock	scenario-cache
spread-chg-auto	scenario-chart-auto

Windows Version	Win 7
Office Version	Office 2K7 SP2
Installer Needed	Yes
FactSet Build Version	/2016_V1/atlas_snapshot_2013.12.341/2013.12.342.141
FactSet Installer Bit	32bit
Regional Settings	English (US)
Number of Machines	1
Run Scheduled by	results_analytics_quantitative@factset.com
Playlist Name	TellusWin70701
IP Address	172.17.216.139
VMS User ID	FDSQAR_C
Stage	QA
HTML Reports	Staging
HTML Reports OS	DEFAULT
Caccess	LARGESETCACCESS
Group ID	117946
Chunk ID	145914
Links	Results Page Protractor Log File Ruby Log File Project Archive

Tellus 2.2 automation test completed successfully! auto-scenario-analysis 7983 2

4. After tests are run:
   a. Tellus gets Test Results
   b. Parser parses results for errors.
   c. Parser checks for Autofile (#2 above)
   d. (if yes) call Autofile function (#3 above)
   e. Call xml api to generate rpd. (code is old - might need some modifications)
   f. Pass error messages into xml api
   g. For selecting RPD product - talk with Chris Werner and R.Groce, and Jay.

RPDs to Autofile:
- Application errors
  o Post Error to RPD

- Script errors

How to identify between Application and Script errors: TBD
- Library of errors?

Automated Parsers (all written in Python):
- TestComplete
  - Error handling has been improved and completed for all scripts
- Protractor
  - Error handling should be updated to have specific errors and not a series of errors. (new cases starting from 2/15 will alr eady have improvement)
- Selenium (Ruby)
  - Error handling has been improved and completed for all scripts

Add flag in existing parsers to continue parsing for Autofile
In Dev use QA RPD: http://iswebqa.pc.factset.com/rpd/Default.aspx?tab=4

Document in RPD the same Test Run Details from QAI.
Can we reuse Chris's API?

Create RPD
via QAI a...

UN = same
SN = from SN pool
OS
Atlas V
Stage
RTS - only known if a RT test
Add link to tellus results

One RPD per Case
Multiple of same errors could suggest - duplication of coverage or need for smoke test (CID, SIT)

Next steps:

- Angela to document flow charts, discuss, then propose to ADs