Conversion Tools - Feature #4053

convert ant buildfile testcases/uast/build.xml into gradle buils file into build gradle

04/29/2019 05:43 AM - Alexei Kaigorodov

Status:	New		**Start date:**	04/29/2019
Priority:	Low		**Due date:**	05/06/2019
Assignee:	Alexei Kaigorodov		**% Done:**	0%
Category:			**Estimated time:**	20.00 hours
Target version:				
billable:	Yes		**version:**	
vendor_id:	GCD			
Description				

History

#1 - 04/29/2019 08:50 AM - Greg Shah

- Description updated

The converted gradle build file can then be used in 2 ways (as a minimum):

- to create Intellij Idea FWD plugin, able to edit, convert, and run ABL files in Idea
- to complete Feature #1770 (multi-threaded conversion driver). Gradle builds can run in parallel mode, so instead of a specific driver, ordinary off-the shelf gradle can be used.

#2 - 04/29/2019 08:58 AM - Greg Shah

The version of our testcases/uast/build.xml is very old. I really don't want to spend any time on it.

We have a newer version of project ant build.xml that is maintained with our Hotel ChUI/Hotel GUI sample applications. When we spend time on something, it would be to work on that version. We would then need to rework the testcases/uast/ project into the standard project configuration/structure.

> - to complete Feature #1770 (multi-threaded conversion driver). Gradle builds can run in parallel mode, so instead of a specific driver, ordinary off-the shelf gradle can be used.

The issue with multi-threading is that TRPL itself needs to be reworked substantially to enable multiple threads. This is not optional. Using gradle does not help because there is a non-trivial amount of processing that must occur in the same JVM. In other words, it would take much more work to make a multi-process TRPL approach work, rather than to just extend the current architecture to support multi-threading. That multi-process architecture would also lead to a sub-optimal design for certain problems. For these reasons, we are not planning to use the multi-process approach.

#3 - 04/30/2019 06:38 AM - Alexei Kaigorodov

- Priority changed from Normal to Low