Harness - Bug #7608

Features supporting regression testing

07/21/2023 05:38 AM - Tomasz Domin

Status:	Feedback		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:	Tomasz Domin		**% Done:**	90%
Category:			**Estimated time:**	0.00 hour
Target version:				
billable:	No		**case_num:**	
vendor_id:	GCD		**version:**	

Description

History

#1 - 07/21/2023 06:26 AM - Tomasz Domin

- File harness_20230721.diff added

- Status changed from New to Feedback

- % Done changed from 0 to 90

During development of regression testing I've made changes to harness to support process of debugging, tracing and stabilization.

The list of implemented features:

- Restarting of Driver threads on failure - in case Driver thread fails completely it is restarted, so a total number of threads is kept as defined in master test plan
- Terminate thread when in backout fails to prevent further failures - so failing backout threads do not accumulate, depends on Restarting of Driver threads on failure
- Timeout multiplier - allows changing all timeouts in all tests in given tests scenario (-g 2.0)
- Trace mode - increase logging verbosity to track connection and terminal issues (-d -d)
- Tests white list - allows selecting tests to be executed out of entire tests scenario (-f test1,test2, in combination with already implemented black lists it can cover #1553
- IN_PROGRESS test status - solely for reporting purposes
- Reduce screen poll delay/increase screen poll frequency - the poll timeout is reduced from 500ms to 100ms, so harness do not miss any screen changes anymore
- Limit maximum number of allowed parallel TestSets (-q 1) - allows executing TestSet in sequence despite master test scenario they are in parallel

Attached please find a patch harness_20230721.diff with all code changes.
Please review.

#2 - 07/21/2023 10:50 AM - Greg Shah

Code Review harness_20230721.diff

The changes are very good. I only have code standards issues to report:cat

1. isIgnored() needs javadoc (BarrierElement, ConcurrentElements

2. JobQueue.isEmpty() needs javadoc.

3. Please un-indent (de-dent? outdent?) the case "g": on line 597 of Harness.java so that it can be more easily read.

4. Driver, Harness, TestSet, ScreenPoller, LogHelper should only have one history number each (though the multiple entries can remain).

5. In TestPlanFactory, the outputDirectory.trim().length()>0 should be written outputDirectory.trim().length() > 0.

#3 - 08/30/2023 06:51 AM - Tomasz Domin

- Subject changed from Features suppporting regression testing to Features supporting regression testing

Greg Shah wrote:

> Code Review harness_20230721.diff
>
> The changes are very good. I only have code standards issues to report:cat
>
> 1. isIgnored() needs javadoc (BarrierElement, ConcurrentElements

Done

> 2. JobQueue.isEmpty() needs javadoc.

Done

> 3. Please un-indent (de-dent? outdent?) the case "g": on line 597 of Harness.java so that it can be more easily read.

Done

> 4. Driver, Harness, TestSet, ScreenPoller, LogHelper should only have one history number each (though the multiple entries can remain).

Done

> 5. In TestPlanFactory, the outputDirectory.trim().length()>0 should be written outputDirectory.trim().length() > 0.

Done

Committed revision 30.

#4 - 08/30/2023 06:56 AM - Greg Shah

Code Review Harness Revision 30

The changes are good.

#5 - 08/30/2023 06:57 AM - Greg Shah

Please update the **Documentation** to match the changes.

#6 - 08/30/2023 08:00 AM - Greg Shah

I've updated the public release with rev 30.

Is there anything else for this task other than documentation?

#7 - 09/22/2023 04:54 AM - Tomasz Domin

Greg Shah wrote:

> I've updated the public release with rev 30.
>
> Is there anything else for this task other than documentation?

No, but the documentation is still pending.

#8 - 09/29/2023 03:18 PM - Roger Borrello

Tomasz... was there a change in revision 30 that would bring on this error:

```
2023-09-29 15:02:57 INFO     Harness  Enable debug mode
2023-09-29 15:02:57 INFO     Harness  Start
[Fatal Error] :6:38: Element type "exclude" must be followed by either attribute specifications, ">" or "/>".
Cannot load file (bad content).
org.xml.sax.SAXParseException: Element type "exclude" must be followed by either attribute specifications, ">"
 or "/>".
        at com.sun.org.apache.xerces.internal.parsers.DOMParser.parse(DOMParser.java:257)
        at com.sun.org.apache.xerces.internal.jaxp.DocumentBuilderImpl.parse(DocumentBuilderImpl.java:338)
        at javax.xml.parsers.DocumentBuilder.parse(DocumentBuilder.java:121)
        at com.goldencode.harness.XmlHelper.loadDocument(XmlHelper.java:79)
        at com.goldencode.harness.test.TestFactory.read(TestFactory.java:79)
        at com.goldencode.harness.TestPlanFactory.loadDuplicates(TestPlanFactory.java:1079)
        at com.goldencode.harness.TestPlanFactory.processTests(TestPlanFactory.java:840)
        at com.goldencode.harness.TestPlanFactory.processTestSets(TestPlanFactory.java:500)
        at com.goldencode.harness.TestPlanFactory.loadTestSets(TestPlanFactory.java:229)
        at com.goldencode.harness.TestPlanFactory.read(TestPlanFactory.java:78)
        at com.goldencode.harness.Harness.main(Harness.java:750)
```

For this code:

```
<?xml version="1.0"?>
<test name="sslsv9-1 " description="CRM activity report" >

    <!-- compare the reports -->
```

```
    <text-file-comparison baseline="sl/sslsv9-1" remote="/usr/report_testing/reports/sl/sslsv9-1">
        <exclude type="each-page" row="62" start="11" end="20" ignore-size="true" />
        <exclude type="each-page" row="62" start="24" end="29" ignore-size="true" />
        <exclude type="each-page" row="62" start="33" end="41" ignore-size="true" />
        <exclude type="each-page" row="" start="20" end="34" ignore-size="true" />
    </text-file-comparison>
</test>
```

#9 - 09/29/2023 03:50 PM - Tomasz Domin

Roger Borrello wrote:

> Tomasz... was there a change in revision 30 that would bring on this error:
> [...]
> For this code:
> [...]

There was no changes to script syntax.
There are several tests like:

```
    <text-file-comparison baseline="gso_67.out" remote="gso_67.out">
        <exclude type="each-page" row="0" start="113" end="132" />
        <exclude type="each-page" row="6" start="10" end="132" ignore-size="true" />
    </text-file-comparison>
```

EDIT: There are no tests having row=""
EDIT: ~~Isnt remote mandatory ?~~ - missed that

#10 - 09/29/2023 03:56 PM - Roger Borrello

Tomasz Domin wrote:

> EDIT: There are no tests having row=""

Hmm... let me check this out. These tests were generated by the customer, and I am not sure if I ever ran these versions.

Files

harness_20230721.diff	63 KB	07/21/2023	Tomasz Domin