

GlideinWMS - Feature #23381

Harmonize CI test scripts

10/04/2019 03:58 PM - Marco Mambelli

Status:	Closed	Start date:	04/23/2020
Priority:	Normal	Due date:	
Assignee:	Marco Mambelli	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	v3_6_4	Spent time:	0.00 hour
Stakeholders:			

Description

Provide some utility function in utils.sh to harmonize the various CI script (shellcheck, run_pylint, unittest, ...).

- invocation options should be the same
- ability to run on current or multiple branches
- similar return codes (script failed, warnings found, errors found, ok, ...)
- similar output summary (table, email)

This will need to be in a separate branch and coordinated w/ Fermilab's CI

Some links about formats:

- <https://testanything.org/>
 - <https://testanything.org/tap-specification.html>
 - <https://testanything.org/producers.html>
 - <https://github.com/python-tap/pytest-tap>
 - <https://github.com/sstephenson/bats>
- <https://help.catchsoftware.com/display/ET/JUnit+Format>
 - <https://blog.ilias.xyz/unit-test-output-formats-a-state-of-affairs-5734b4c8e577>
- <https://circleci.com/docs/2.0/collect-test-data/>
- <https://jestjs.io/docs/en/cli> (--reporters jest-junit)
- <https://www.baeldung.com/checkstyle-java>
- <https://checkstyle.org/checks.html>

List report example

```
filename info warning errors
name1 1 0 2
```

XML report example

```
Pass (one test, that linting was run)
<?xml version="1.0" encoding="UTF-8"?>
<testsuites name="jest tests" tests="1" failures="0" time="0.346">
  <testsuite name="undefined" errors="0" failures="0" skipped="0" timestamp="2019-06-07T15:44:08"
time="0.092" tests="1">
    <testcase classname=" OAS Linter" name=" OAS Linter" time="0.092">
      </testcase>
    </testsuite>
  </testsuites>
```

Fail (multiple tests, one for each warning from the linter)

```
<?xml version="1.0" encoding="UTF-8"?>
<testsuites name="jest tests" tests="4" failures="4" time="0.39">
  <testsuite name="undefined" errors="0" failures="4" skipped="0" timestamp="2019-06-07T15:50:20"
time="0.148" tests="4">
    <testcase classname=" schema-properties-type if.then test failed:undefined != object - #/compone
nts/schemas/AddressRegion/oneOf/0 (schema-properties-type)" name=" schema-properties-type if.the
n test failed:undefined != object - #/components/schemas/AddressRegion/oneOf/0 (schema-properties-
type)" time="0.148">
```

```

    <failure>schema-properties-type if.then test failed:undefined != object</failure>
  </testcase>
  <testcase classname=" schema-properties-type if.then test failed:undefined != object - #/components/schemas/AddressRegion/oneOf/1 (schema-properties-type)" name=" schema-properties-type if.the
n test failed:undefined != object - #/components/schemas/AddressRegion/oneOf/1 (schema-properties-type)" time="0.148">
    <failure>schema-properties-type if.then test failed:undefined != object</failure>
  </testcase>
  <testcase classname=" schema-properties-type if.then test failed:undefined != object - #/components/schemas/AuctionListingAddress/oneOf/0 (schema-properties-type)" name=" schema-properties-typ
e if.then test failed:undefined != object - #/components/schemas/AuctionListingAddress/oneOf/0 (sc
hema-properties-type)" time="0.148">
    <failure>schema-properties-type if.then test failed:undefined != object</failure>
  </testcase>
  <testcase classname=" schema-properties-type if.then test failed:undefined != object - #/components/schemas/AuctionListingAddress/oneOf/1 (schema-properties-type)" name=" schema-properties-typ
e if.then test failed:undefined != object - #/components/schemas/AuctionListingAddress/oneOf/1 (sc
hema-properties-type)" time="0.148">
    <failure>schema-properties-type if.then test failed:undefined != object</failure>
  </testcase>
</testsuite>
</testsuites>

```

Subtasks:

Feature # 24345: Provide a runner to run the different tests with consistent CLI

Closed

Related issues:

Blocked by GlideinWMS - Feature #18042: Change exit code of pylint and unit t...

Closed

10/26/2017

History

#1 - 12/18/2019 10:16 AM - Marco Mambelli

- Target version changed from v3_6_2 to v3_6_3

#2 - 04/23/2020 06:15 PM - Marco Mambelli

- Subject changed from Harmonize CI scripts to Harmonize CI test scripts

#3 - 04/23/2020 06:20 PM - Marco Mambelli

- Start date changed from 10/04/2019 to 04/23/2020

- Due date set to 04/23/2020

due to changes in a related task: [#24345](#)

#4 - 04/24/2020 12:41 PM - Marco Mambelli

- Related to Feature #18042: Change exit code of pylint and unit test scripts added

#5 - 04/24/2020 12:46 PM - Marco Mambelli

- Related to deleted (Feature #18042: Change exit code of pylint and unit test scripts)

#6 - 04/24/2020 12:46 PM - Marco Mambelli

- Blocked by Feature #18042: Change exit code of pylint and unit test scripts added

#7 - 05/11/2020 08:18 PM - Marco Mambelli

- Target version changed from v3_6_3 to v3_6_4

#8 - 09/17/2020 02:32 PM - Marco Mambelli

- Status changed from New to Resolved

runtest.sh solves most of the items

Opened a separate ticket about a better and different output format [\[#24794\]](#)

#9 - 09/17/2020 07:10 PM - Marco Mambelli

- Status changed from Resolved to Closed