

irispl Quality Report

- **Created at:** 2017-03-21 04:05:50.675319
- **Corral Version:** 0.2.6

1. Summary

- **Tests Success:** Yes
- **Tests Ran:** 1
- **Processors:** 6
- **Coverage:** 61.75%
- **Maintainability & Style Errors:** 6
- **QA Index:** 8.60%
- **QA Qualification:** F

1.1 About The Corral Quality Assurance Index (QAI)

$$QAI = 2 * (TP * (T/PNC) * COV) / (1 + \exp(MSE/\tau))$$

Where:

TP: If all tests passes is 1, 0 otherwise.

T: The number of test cases.

PCN: The number number of processors (Loader, Steps and Alerts) and commands.

COV: The code coverage (between 0 and 1).

MSE: The Maintainability and Style Errors.

tau: Tolerance of style errors per file

Current Value of Tau: 13.00 per file

1.2 About The Qualification

The Corral qualification is a quantitive scale based on QAI

- QAI \geq 0.00% – F
- QAI \geq 60.00% – D-
- QAI \geq 63.00% – D
- QAI \geq 67.00% – D+
- QAI \geq 70.00% – C-
- QAI \geq 73.00% – C
- QAI \geq 77.00% – C+

- QAI >= 80.00% - B-
- QAI >= 83.00% - B
- QAI >= 87.00% - B+
- QAI >= 90.00% - A-
- QAI >= 93.00% - A
- QAI >= 95.00% - A+

2. Full Output

2.1 Tests

```
runTest (irispl.tests.MyTestCase) ... ok
```

```
-----
Ran 1 test in 0.409s
```

```
OK
```

2.2 Coverage

Name	Stmts	Miss	Cover
irispl/__init__.py	1	0	100%
irispl/alerts.py	7	0	100%
irispl/commands.py	5	1	80%
irispl/load.py	25	14	44%
irispl/models.py	34	1	97%
irispl/pipeline.py	4	0	100%
irispl/settings.py	17	0	100%
irispl/steps.py	76	54	29%
irispl/tests.py	14	0	100%
TOTAL	183	70	62%

2.3 MAINTAINABILITY & STYLE

Found pep8-style errors.

Please check the Python code style reference: <https://www.python.org/dev/peps/pep-0008/>

Errors found:

irispl/settings.py:41:8: E126 continuation line over-indented for hanging indent
irispl/steps.py:36:37: E225 missing whitespace around operator
irispl/steps.py:53:43: E225 missing whitespace around operator
irispl/steps.py:84:43: E225 missing whitespace around operator
irispl/steps.py:115:43: E225 missing whitespace around operator
irispl/tests.py:39:41: E225 missing whitespace around operator
irispl/tests.py:45:56: E225 missing whitespace around operator