



Genesis

- Issue
 - Updating exercises may break the grading scripts
 - Updating grading environments may break exercises
 - Cfr. LINFO1341 in 2022


Genesis


- Issue
 - Updating exercises may break the grading scripts
 - Updating grading environments may break exercises
 - Cfr. LINFO1341 in 2022
- Solution
 - Rerun grading scripts on known submissions


Genesis

Task tester. Allows to run a bash shell in the exact same way as INGI...

...nious does!

 **master**

 **v0.8.5** v0.8.4 v0.8.3 v0.8.2 v0.8.1 v0.8 v0.7.4 v0.7.3 v0.7.2 v0.7.1 v0.7 v0.6.2 v0.6.1 v0.6 v0.5.1 v0.5 v0.4 v0.3a2 v0.3a1

 **GuillaumeDerval** committed on Jul 2, 2015

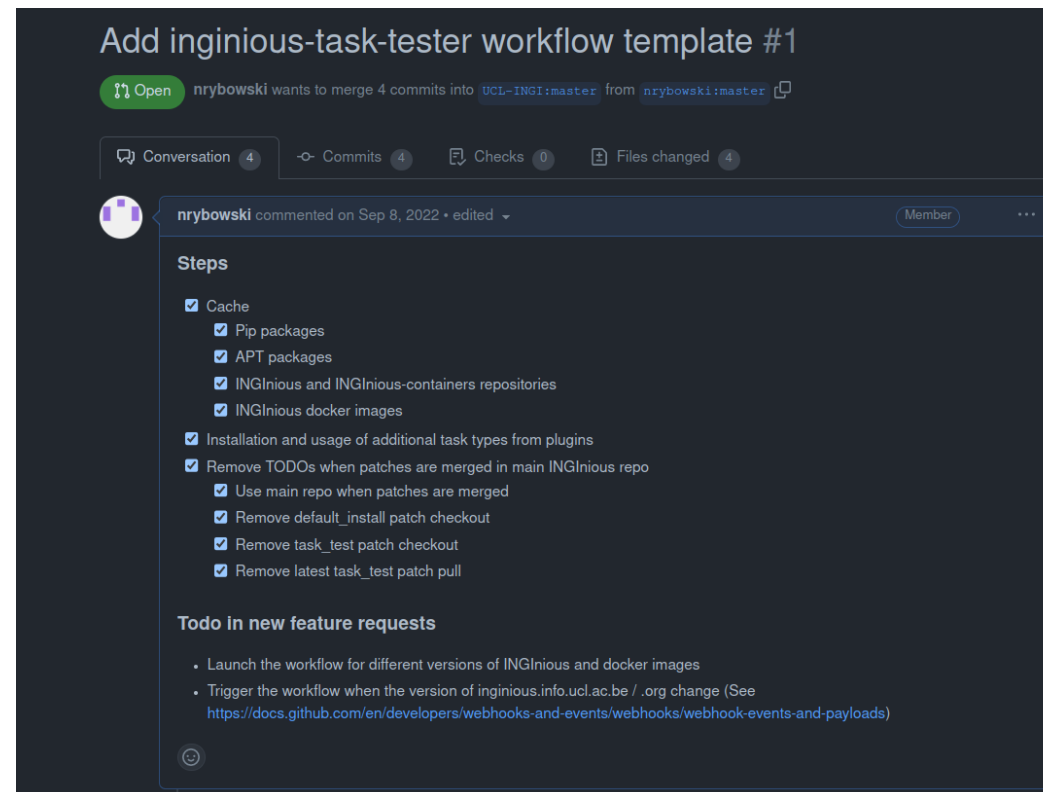
Current state

- Modernized version merged some months ago

The screenshot shows a GitHub pull request interface. At the top, the title is "[utils/task-tester] Add task tester #861". Below the title, a purple "Merged" badge is followed by the text "anthonygego merged 13 commits into UCL-INGI:master from nrybowski:task_test" with a copy icon and the date "on Nov 28, 2022". Below this, there are tabs for "Conversation" (26), "Commits" (13), "Checks" (2), and "Files changed" (7). The main content area shows a comment from user "nrybowski" dated "Sep 8, 2022" with an "edited" dropdown. The comment text reads: "Add the task tester feature. It allows replaying old submissions to ensure that tasks are still valid / functional e.g. after a modification of a task or the update of its environment. This PR also contains a submission anonymizer. This is a script removing all the fields allowing the identification of the original submission author. See [UCL-INGI/.github#1](#) for automated deployment in GitHub actions." The user's profile picture is a purple and white square icon. To the right of the comment, there are buttons for "Member", "Don", and a three-dot menu.

Current state

- Automated CI still WIP but already fonctionnal
 - See <https://github.com/UCL-INGI/.github/pull/1>



Current state

- How to use?

Current state

- How to use?
 - Copy some files from <https://github.com/UCL-INGI/.github/pull/1/files>
 - ingenious-task-tester.yml (GitHub action script)
 - ingenious-task-tester.env (Tester configuration file)
 - ingenious-task-tester-container-builder.py (Helper script – will be removed at some point)

Current state

- How to use?
 - Copy some files from <https://github.com/UCL-INGI/.github/pull/1/files>
 - inginious-task-tester.yml
 - inginious-task-tester.env
 - inginious-task-tester-container-builder.py
 - Configure the tester (inginious-task-tester.env)

3 lines (3 sloc) | 227 Bytes

Raw

Blame



```
1 REQUIRED=base cpp pyjavacpp
2 PLUGIN_URLS=git+https://github.com/CNP3/INGInious-problems-network-trace git+https://github.com/UCL-INGI/INGInious-problems-math
3 PLUGIN_NAMES=inginious-problems-network-trace ingenious_problems_math
```

Current state

- How to use?
 - Copy some files from <https://github.com/UCL-INGI/.github/pull/1/files>
 - ingenious-task-tester.yml
 - ingenious-task-tester.env
 - ingenious-task-tester-container-builder.py
 - Configure the tester (ingenious-task-tester.env)
 - Add existing submissions to tasks

```
q-ipv6-expand/
├── public
│   └── data.js
├── run.py
├── task.yaml
└── test
    ├── 13e10ca1e85a0f01b3203cecb67d05452a4f969aea13860bfb12f2f16b772a29.test
    ├── 1e698dd1c60989f3d159ce7682f42c387ba8e394b0cb59a4110c2b1379b7c55e.test
    ├── 2397e492952a41c953aa39584757c1fafbb70b79941cb65afcdcfcbcd8d110a61.test
    ├── 2830ff9a624ce7eeb87503821fbccca0052b97a540e5f74a33b2b99649977c00.test
    ├── 382355b2cbcf5f7373cfa2d8c39932b033bdf849739d23966241548b3079018c.test
    ├── 45b4394bc109aaf33841be220089ca3e05e2b3eb33c67f5f560063af6edb25c8.test
    ├── 5114696ee136beeb2c48c59e3d278962e9486fd022379175a28d3439a89dcb93.test
    ├── 5de9deda53910de4d395c746964780bd9616ad9285c292b5fecf3b093be716ed.test
    ├── 73411bbc68672516c958e9750ee5f6c5d6c023a6b8a41096253631ae3883fe82.test
    ├── b0b0a4d33b065ab98c16faed064e7d7d8d4e3353414862095bcf6b1e12a04fb5.test
    ├── e23d0afdc3e8d6f5bc15af8f2f25a065512496aa990a6f0398935cfc76213228.test
    ├── ecdb6e3fa49783d50113302259a426e335353ddcd6bac7ac1cc9ed7a1c469cb7.test
    ├── eea07c49a567bd574bf03727c1122496e627739e243de3ale28c7b154f67e91f.test
    └── f722e509e63c4a810ec5f3916c6854fbb57d8927fad2d9e02922a00c347a663f.test

3 directories, 17 files
```

Current state

- How to use?

- Copy some files

- ingenious-task

- ingenious-task

- ingenious-task

- Configure the

- Add existing s

- Et voilà!

```
14 Hello from the task tester utility!
15 runc was detected as a runtime; it would duplicate another one, so we ignore it. DockerRuntime(runtime='runc', run_as_root=False, enables_gpu=False, shared_kernel=True,
    envtype='docker')
16 Waiting for containers loading .....
17 -> Re-running submissions for task <tcp-data-ack2>
18 No test submission found.
19
20 -> Re-running submissions for task <q-rel-gbn-max>
21 No test submission found.
22
23
24 -> Re-running submissions for task <q-ipv6-expand>
25 -- [1/14] Testing input file </home/runner/INGInious/tasks/linfol341/q-ipv6-expand/test/5114696ee136beeb2c48c59e3d278962e9486fd022379175a28d3439a89dcb93.test>
26 --> All tests passed
27 -- [2/14] Testing input file </home/runner/INGInious/tasks/linfol341/q-ipv6-expand/test/2397e492952a41c953aa39584757c1fafbb70b79941cb65afcdcfcbcd8d110a61.test>
28 --> All tests passed
29 -- [3/14] Testing input file </home/runner/INGInious/tasks/linfol341/q-ipv6-expand/test/5de9deda53910de4d395c746964780bd9616ad9285c292b5fecf3b093be716ed.test>
30 --> All tests passed
31 -- [4/14] Testing input file </home/runner/INGInious/tasks/linfol341/q-ipv6-expand/test/2830f9a624ce7eeb87503821fbccca0052b97a540e5f74a33b2b99649977c00.test>
32 --> All tests passed
33 -- [5/14] Testing input file </home/runner/INGInious/tasks/linfol341/q-ipv6-expand/test/b0b0a4d33b065ab98c16faed064e7d7d8d4e3353414862095bcf6b1e12a04fb5.test>
34 --> All tests passed
35 -- [6/14] Testing input file </home/runner/INGInious/tasks/linfol341/q-ipv6-expand/test/382355b2cbcf5f7373cfa2d8c39932b033bdf849739d23966241548b3079018c.test>
36 --> All tests passed
37 -- [7/14] Testing input file </home/runner/INGInious/tasks/linfol341/q-ipv6-expand/test/eea07c49a567bd574bf03727c1122496e627739e243de3a1e28c7b154f67e91f.test>
38 --> All tests passed
39 -- [8/14] Testing input file </home/runner/INGInious/tasks/linfol341/q-ipv6-expand/test/1e698dd1c60989f3d159ce7682f42c387ba8e394b0cb59a4110c2b1379b7c55e.test>
40 --> All tests passed
41 -- [9/14] Testing input file </home/runner/INGInious/tasks/linfol341/q-ipv6-expand/test/13e10ca1e85a0f01b3203cecb67d05452a4f969aea13860bfb12f2f16b772a29.test>
42 --> All tests passed
43 -- [10/14] Testing input file </home/runner/INGInious/tasks/linfol341/q-ipv6-expand/test/73411bbc68672516c958e9750ee5f6c5d6c023a6b8a41096253631ae3883fe82.test>
44 --> All tests passed
45 -- [11/14] Testing input file </home/runner/INGInious/tasks/linfol341/q-ipv6-expand/test/e23d0afdc3e8d6f5bc15af8f2f25a065512496aa990a6f0398935cfc76213228.test>
46 --> All tests passed
47 -- [12/14] Testing input file </home/runner/INGInious/tasks/linfol341/q-ipv6-expand/test/45b4394bc109aaf33841be220089ca3e05e2b3eb33c67f5f560063af6eddb25c8.test>
48 --> All tests passed
49 -- [13/14] Testing input file </home/runner/INGInious/tasks/linfol341/q-ipv6-expand/test/f722e509e63c4a810ec5f3916c6854fbb57d8927fad2d9e02922a00c347a663f.test>
50 --> All tests passed
51 -- [14/14] Testing input file </home/runner/INGInious/tasks/linfol341/q-ipv6-expand/test/ecdb6e3fa49783d50113302259a426e335353ddcd6bac7ac1cc9ed7alc469cb7.test>
52 --> All tests passed
53 -> All the previous submissions passed.
```

Current state

- Feature: explicitly ignore task
 - Put .testignore file in task directory

```
981
982  ### Tests Summary ###
983  > 117 tasks considered
984  > 1 tasks ignored
985  - q-pkt-tls-3
986  > 1 tests failed in 117 tasks
987  Error: Process completed with exit code 1.
```

Current state

- Feature: explicitly ignore task
 - Put .testignore file in task directory
- What is compared?
 - Evaluation status
 - Tags
- Textual outputs are ***not considered***, tags should be used

```
591 -- [4/17] Testing input file </home/runner/INGInious/tasks/linfol341/q-stp-5/test/44750711eaa27a235cf9debb2e9af0f2f5053daa6774c2cd491c5c62556e036d.test>
592 -> Result doesn't match.
593     Expected <failed>
594     Got <success>
```

Next

- See milestone (<https://github.com/UCL-INGI/INGInious/milestone/6>)

- Refactor tagging system
- Task versioning?
 - e.g., v1 broken but fixed in v2
- Refactor INGInious distribution / deploy
 - Core containers
 - Grading containers
- INGInious versioning
 - Relaunch tests on main or tagged version

In progress

The screenshot shows a GitHub project board titled "Task testing" with a progress bar at 44% complete. It lists several issues, including feature requests and bugs, with their titles, labels, and opening dates.

Issue Title	Type	Priority	Opened	By
[utils/task-tester] Refactor tag usage for task testing	Feature request	High	Oct 5, 2022	nrybowski
Killing inginius-autotest should also kill the INGInious instances (containers)	Bug		Aug 23, 2019	Jimvy
[utils/task-tester] Parallelize submissions reruns	Feature request		Nov 28, 2022	nrybowski
[utils/task_tester] New task dispenser broke the task tester	Bug		3 weeks ago	nrybowski
[utils/task_tester] Integrate task tester in CI	Feature request		3 weeks ago	nrybowski

Contact

- Feature request, bug report?
 - <https://github.com/UCL-INGI/INGInious/issues/new/choose>
- Ideas, comments, discussions?
 - <https://github.com/UCL-INGI/INGInious/discussions/new/choose>
- Informal discussions?
 - <https://inginous.zulipchat.com/#narrow/stream/377358-dev>
 - <https://inginous.zulipchat.com/#narrow/stream/381069-support-fr>