

gci

Author: Adrian DC

Description: Launch .gitlab-ci.yml jobs locally

Date: 15/03/2025

Version: 11.1.0

► **GitLab CI**

Project statistics and status indicators:

- python** 3.8 | 3.9 | 3.10 | 3.11 | 3.12
- downloads** 3.3k/month
- license** Apache License 2.0
- pipeline** running
- bugs** 0
- code smells** 0
- coverage** 100%
- lines of code** 4.9k
- quality gate** passed
- pre-commit** enabled
- commitizen** friendly
- gcil** enabled
- pre-commit-crocodile** enabled

Launch `.gitlab-ci.yml` jobs locally, wrapped inside the specific images, with inplace project volume mounts and adaptive user selections.

Supported `.gitlab-ci.yml` features

Syntax references / `.gitlab-ci.yml`

```
# Global configurations

include: FILE_PATH
include:
  local: FILE_PATH
include:
  - local: FILE_PATH
include:
  - project: PROJECT_URL
    file: FILE_PATH
include:
  - project: PROJECT_URL
    file:
      - FILE_PATH_1
      - FILE_PATH_2

image: IMAGE_NAME
image:
  name: IMAGE_NAME
  entrypoint: ['COMMANDS']

services:
  - ...docker:dind
  - SERVICE_NAME
  - name: SERVICE_NAME
    alias: SERVICE_ALIAS

stages:
  - STAGE_NAMES

variables:
  - VARIABLES: VALUES
  - !reference [.path, to, YAML, node, variables]

# Global scripts

before_script:
  - COMMANDS
  - !reference [.path, to, YAML, node, before_script]

after_script:
  - COMMANDS
  - !reference [.path, to, YAML, node, after_script]

# Templates nodes

.TEMPLATES: &TEMPLATES
KEYS: VALUES

# Job nodes

JOB_NAME:

# Job configurations

stage: STAGE_NAME

image: IMAGE_NAME
image:
```

```
name: IMAGE_NAME
entrypoint: ['COMMANDS']

services:
- ...docker:dind
- SERVICE_NAME
- name: SERVICE_NAME
  alias: SERVICE_ALIAS

variables:
  VARIABLES: VALUES
  VARIABLE_PREFILLED:
    value: VALUE
    description: DESCRIPTION
  VARIABLE_REFERENCED: !reference [.path, to, YAML, node, variables, VARIABLE]
variables: !reference [.path, to, YAML, node, variables]

# Job templates

<<: *TEMPLATES
extends: TEMPLATE
extends:
- TEMPLATES

# Job scripts

before_script:
- COMMANDS
- !reference [.path, to, YAML, node, after_script]

script:
- COMMANDS
- !reference [.path, to, YAML, node, script]

after_script:
- COMMANDS
- !reference [.path, to, YAML, node, after_script]

# Job executions

parallel:
  matrix:
    - VARIABLE1: VALUES
      VARIABLE2: VALUES
    - VARIABLE1: VALUES
      VARIABLE3: VALUES

retry: RETRY_COUNT
retry:
  max: RETRY_COUNT

tags:
- MANUAL_TAGS

trigger: SIMPLE_TRIGGER (ignored)
trigger:
  COMPLEX_TRIGGER (ignored)

when: on_success / manual / on_failure / always
```

```
allow_failure: true / false
```

gcil