gitlab-projects-issues

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Description: Generate GitLab project issues and milestones statistics automatically

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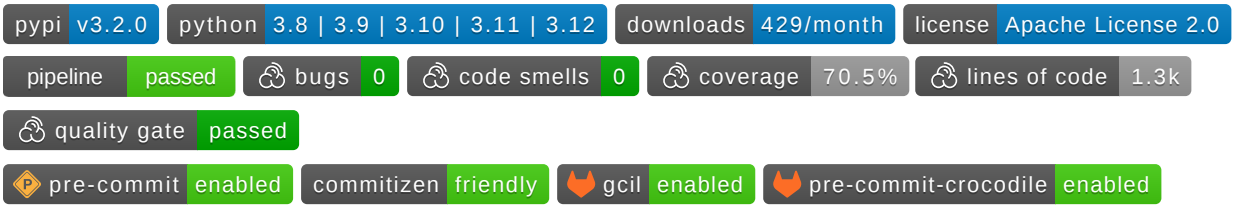
Version: `3.2.0-6-gec054fe`

▸ Usage



Generate GitLab project issues and milestones statistics automatically

Documentation: https://radiandevcore.gitlab.io/tools/gitlab-projects-issues
Package: https://pypi.org/project/gitlab-projects-issues/

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Purpose

This tool can automatically generate issues and milestones statistics,
by analyzing project's issues, detecting milestones and assignees.

If issues without time estimations are found, `~?` will be shown before time outputs.

Milestone statistics will automatically be injected in the milestone description,
with a markdown table of assignees, timings, progress and issues total.

The following step is required before using the tool:

- The GitLab user tokens must be created with an `api` scope (a short expiration date is recommended)

Examples

```
# Show the helper menu
gitlab-projects-issues

# Inject milestones statistics into milestones' description
gitlab-projects-issues --milestones-statistics 'https://gitlab.com/group/project'

# Inject milestones statistics into milestones' description (with default 20h time per unestimated issues)
gitlab-projects-issues --milestones-statistics --default-estimate '20' 'https://gitlab.com/group/project'
```

Outputs

Milestones statistics will automatically be added to each milestone's description.

The following example shows how milestones statistics may look on a project:

Milestone statistics - MILESTONE NAME

Assignees	Issues	Estimated	Spent	Remaining	Progress
Without assignee	10	18d	18d	/	100.00%
User ONE	22	42d	5d	37d	11.90%
User TWO	29	50d 2h	20d 6h	29d 4h	41.29%
User THREE	7	9d 2h	3d 4h	5d 6h	37.84%
User FOUR	6	21d	/	21d	0.00%
Total	*74*	*135d 4h*	*47d 2h*	93d 2h	*34.87%*

Last update using gitlab-projects-issues : 2024-06-01 19:38:48 UTC

Usage

```
usage: gitlab-projects-issues [-h] [--version] [--no-color] [--update-check] [--settings] [--set GROUP KEY VAL]
                              [-c FILES] [--dump] [--default-estimate ESTIMATE] [--exclude-closed-issues]
                              [--milestone MILESTONE] [--create-milestone | --get-milestone | --milestones-
statistics]
                              [--exclude-closed-milestones] [--set-milestone-description TEXT]
                              [--set-milestone-state STATE] [--set-milestone-start-date DATE]
                              [--set-milestone-due-date DATE] [--]
                              [url_path]

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internal arguments:
  -h, --help                        # Show this help message
  --version                         # Show the current version
  --no-color                        # Disable colors outputs with 'NO_COLOR=1'
                                    # (or default settings: [themes] > no_color)
  --update-check                    # Check for newer package updates
  --settings                        # Show the current settings path and contents
  --set GROUP KEY VAL               # Set settings specific 'VAL' value to [GROUP] > KEY
                                    # or unset by using 'UNSET' as 'VAL'

credentials arguments:
  -c FILES, --config FILES          # Python GitLab configuration files (default: PYTHON_GITLAB_CFG environment)

common arguments:
  --dump                            # Dump Python objects of projects

issues arguments:
  --default-estimate ESTIMATE       # Default issue time estimate if none providedin hours (default: 8)
  --exclude-closed-issues           # Exclude issues in closed state

milestones arguments:
  --milestone MILESTONE             # Use a specific milestone by name, by ID, or "None"
  --create-milestone                # Create a new milestone
  --get-milestone                   # Get existing milestone
  --milestones-statistics           # Inject milestones statistics into milestones description
  --exclude-closed-milestones       # Exclude milestones in closed state
  --set-milestone-description TEXT  # Set milestone description
  --set-milestone-state STATE       # Set milestone state [activate,close]
  --set-milestone-start-date DATE   # Set milestone start date
  --set-milestone-due-date DATE     # Set milestone due date

positional arguments:
  --                                # Positional arguments separator (recommended)
  url_path                          # GitLab project path URL

environment variables:
  GITLAB_TOKEN                      # GitLab API token environment variable
  CI_JOB_TOKEN                      # GitLab CI job token environment variable (CI only)
```

Python GitLab configuration file

`gitlab-projects-issues` uses the same configuration files as the `python-gitlab` API, holding domains, URL and private tokens credentials for the GitLab instances.

The default user configuration file can be created at `~/.python-gitlab.cfg`.

The `-c` or `--config` parameters can provide specific configuration files, otherwise the `PYTHON_GITLAB_CFG` environment variable can be used.

Example `~/.python-gitlab.cfg` configuration file:

~/.python-gitlab.cfg

```
[global]
default = gitlab.com
ssl_verify = true
timeout = 5

[gitlab.com]
url = https://gitlab.com
private_token = glpat-...

[gitlab.local.dev]
url = https://gitlab.local.dev
private_token = glpat-...

[gitlab.private.dev:4243]
url = https://gitlab.private.dev:4243
private_token = glpat-...
ssl_verify = /usr/local/share/ca-certificates/gitlab.private.dev.crt
```

`python-gitlab` **configuration files documentation:** Getting started with the CLI / Configuration files

Userspace available settings

`gitlab-projects-issues` creates a `settings.ini` configuration file in a userspace folder.

For example, it allows to disable the automated updates daily check (`[updates] > enabled`)

The `settings.ini` file location and contents can be shown with the following command:

```
gitlab-projects-issues --settings
```

Environment available configurations

`gitlab-projects-issues` uses `colored` for colors outputs.

If colors of both outputs types do not match the terminal's theme,
an environment variable `NO_COLOR=1` can be defined to disable colors.

Dependencies

- colored: Terminal colors and styles
- python-gitlab: A python wrapper for the GitLab API
- setuptools: Build and manage Python packages
- update-checker: Check for package updates on PyPI

References

- commitizen: Simple commit conventions for internet citizens
- git-cliff: CHANGELOG generator
- gitlab-release: Utility for publishing on GitLab
- gcil: Launch .gitlab-ci.yml jobs locally
- mkdocs: Project documentation with Markdown
- mkdocs-exporter: Exporter plugin for mkdocs documentation
- mkdocs-material: Material theme for mkdocs documentation
- mypy: Optional static typing for Python
- pre-commit: A framework for managing and maintaining pre-commit hooks
- pre-commit-crocodile: Git hooks intended for developers using pre-commit
- PyPI: The Python Package Index
- twine: Utility for publishing on PyPI

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