Introduction to

pre-commit

A framework for managing and maintaining
multi-language pre-commit hooks.
@mozillazg

Problem

- Too many dirty commits like "fix pep8"

    - Reviewer unhappy

    - CI busy

    - Commit history become ugly

committed 15 days ago ✕

fix some error
committed 15 days ago ✕

? process 過 ? ? Username ? ?
committed 15 days ago ✕

on Nov 21, 2016

fix pep8 error
? committed 6 days ago ✕

on Nov 22, 2016

? committed 5 days ago ✕

fix pep8 error
mitted 5 days ago ✕

? ◦— ?

commented on

PEP8 error

◦— Fix PEP8 error

Solution

- We need a tool.

  - Discover error before CI

  - Discover error before push

```
$ git commit -m "added demo for pre-commit"
Flake8...............................................Failed
hookid: flake8

Introduction to pre-commit/code/demo.py:3:1: E302 expected 2 blank lines,
found 1
Introduction to pre-commit/code/demo.py:4:15: E261 at least two spaces bef
ore inline comment
```

pre-commit

- pip install pre-commit

- vim .pre-commit-config.yaml

- pre-commit install

.pre-commit-config.yaml

```
$ cat .pre-commit-config.yaml
- repo: git://github.com/pre-commit/pre-commit-hooks
  sha: v0.6.0
  hooks:
    - id: flake8
```

More

http://pre-commit.com

Thank You!