

Part 1

Branch Protection:

Rulesets / main-protection Active

Ruleset Name *

main-protection

Enforcement status

Active

Bypass list

Exempt roles, teams, and apps from this ruleset by adding them to the bypass list.

Bypass list is empty

Target branches

Which branches should be matched?

Branch targeting criteria

main

Adds to 1 target: main .

Rules

Which rules should be applied?

Branch rules

☐ Restrict creations

Only allow users with bypass permission to create matching refs.

☐ Restrict updates

Only allow users with bypass permission to update matching refs.

☒ Restrict deletions

Only allow users with bypass permissions to delete matching refs.

☒ Require linear history

Prevent merge commits from being pushed to matching refs.

☐ Require deployments to succeed

Choose which environments must be successfully deployed to before refs can be pushed into a ref that matches this rule.

☐ Require signed commits

Commits pushed to matching refs must have verified signatures.

☒ Require a pull request before merging

Require all commits be made to a non-target branch and submitted via a pull request before they can be merged.

Show additional settings

Part 2

```
(venv) sanchitsahay@sahyadri> git add secrets.py
(venv) sanchitsahay@sahyadri> cat secrets.py
slack_webhook_url = "https://hooks.slack.com/services/T00000000/B00000000/XXXXXXXXXXXXXXXXXXXXXXXXX"
(venv) sanchitsahay@sahyadri> git commit -m "Does this get stopped"
TruffleHog Secret Scanner.....Failed
- hook id: trufflehog
- exit code: 1

🐶🔑🐶 TruffleHog. Unearth your secrets. 🐶🔑🐶

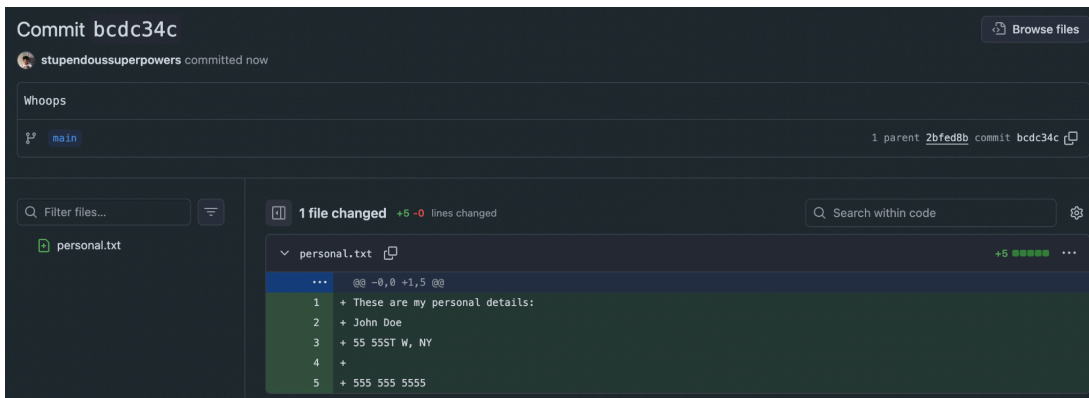
2025-11-10T19:56:24-05:00      info-0  trufflehog      running source {"source_manager_worker_id": "Nu7
gF", "with_units": true}
Found unverified result 🐶🔑?
Detector Type: SlackWebhook
Decoder Type: PLAIN
Raw result: https://hooks.slack.com/services/T00000000/B00000000/XXXXXXXXXXXXXXXXXXXXXXXXX
Rotation_guide: https://howtorotate.com/docs/tutorials/slack-webhook/
File: secrets.py
Line: 1

2025-11-10T19:56:24-05:00      info-0  trufflehog      finished scanning {"chunks": 1, "bytes": 10
0, "verified_secrets": 0, "unverified_secrets": 1, "scan_duration": "223.023792ms", "trufflehog_version":
"3.90.13", "verification_caching": {"Hits":0,"Misses":1,"HitsWasted":0,"AttemptsSaved":0,"VerificationTi
meSpentMS":219}}

(venv) sanchitsahay@sahyadri> 
```

Part 3

Deleted file:



Commands:

```
git-filter-repo --path personal.txt --invert-paths --force
```

```
git push origin main --force
```

Part 5

```
(venv) sanchitsahay@sahyadri> poetry run pytest --cov=.
===== test session starts =====
platform darwin -- Python 3.13.4, pytest-9.0.0, pluggy-1.6.0
rootdir: /Users/sanchitsahay/code/courses/scss/scss_hw1
configfile: pyproject.toml
plugins: anyio-4.11.0, cov-7.0.0
collected 16 items

tests/test_rekor_monitor.py ..... [100%]

===== tests coverage =====
_____ coverage: platform darwin, python 3.13.4-final-0 _____
```

Name	Stmts	Miss	Cover
main.py	119	14	88%
merkle_proof.py	124	24	81%
tests/__init__.py	0	0	100%
tests/test_rekor_monitor.py	89	1	99%
util.py	22	3	86%
TOTAL	354	42	88%

```
===== 16 passed in 3.97s =====
(venv) sanchitsahay@sahyadri> 
```