

## Regula

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# Regula Pre-Commit Hook



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You can run Regula in a [pre-commit](#) hook. Whenever you `git commit` IaC, Regula will check it for security and compliance first. If there are violations, you'll need to remediate them before you can commit the code.

The pre-commit hook below:

- Checks changed Terraform HCL files anywhere in the local repo
- Checks changed CloudFormation templates in `/src`
- Outputs test results in TAP format

## Hook installation

1. Install pre-commit:

```
pip install pre-commit
```



2. Copy the code below and save it as `.pre-commit-config.yaml` in the root of the repo you want to check:

```
repos:
- repo: local
  hooks:
  - id: regula-cfn
    name: Regula for CloudFormation
    entry: regula run -f tap -t cfn
    language: system
    files: ^src/.*(yaml)$
- repo: local
  hooks:
  - id: regula-tf
    name: Regula for Terraform HCL
    entry: regula run -f tap -t tf
    language: system
    files: .*(tf)
```



3. Install the pre-commit hook:

```
pre-commit install
```



4. *Optional (but recommended!):* Test the hook on all IaC in the repo:

```
pre-commit run --all-files
```



When you commit IaC now, Regula will check it for security and compliance issues.

## Example output

```
± git commit -m "Update network security rule"
Regula for CloudFormation.....Passed
Regula for Terraform HCL.....Failed
- hook id: regula-tf
- exit code: 1

ok 0 azurerm_network_security_group.devnsg: Network security group rules should not
not ok 1 azurerm_network_security_group.devnsg: Network security group rules should
ok 2 azurerm_storage_account.main: Storage Accounts 'Secure transfer required' sho
ok 3 azurerm_storage_account.main: Storage accounts should deny access from all ne
ok 4 azurerm_storage_account.main: Storage accounts 'Trusted Microsoft Services' ac
```

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