Propuesta de solución

Caso Práctico 1 – Apartado B

|  |  |  |
| --- | --- | --- |
| Asignatura | Datos del alumno | Fecha |
| Experto Universitario en DevOps & Cloud | Apellidos: Leon Granda |  |
| Nombre: Giovanna Victoria |

URL de repositorio solución de GitHub: https://github.com/GiovannaLeon/helloworld.git

Reto 1 – Creación pipeline CI

En este reto se solicitan 4 entregables:

* URL al repositorio creado por el alumno, a partir del código fuente base de este CP1, que albergue tanto el código fuente como el Jenkinsfile. (jenkinsfile:

**https://github.com/GiovannaLeon/helloworld/blob/master/CP2.1.1/cp2.1.1.txt**

pipeline {

agent any

environment {

PYTHON\_PATH = "C:\\Users\\amaro\\AppData\\Local\\Programs\\Python\\Python313\\python.exe"

PYTHON\_PATH\_SCRIPTS = "C:\\Users\\amaro\\AppData\\Local\\Programs\\Python\\Python313\\Scripts"

}

stages {

stage('Get Code') {

steps {

git 'https://github.com/GiovannaLeon/helloworld.git'

bat "dir"

echo WORKSPACE

}

}

// Etapa de Pruebas Unitarias

stage('Unit') {

steps {

catchError(buildResult: 'UNSTABLE', stageResult: 'FAILURE') {

bat '''

SET PYTHONPATH=%WORKSPACE%

%PYTHON\_PATH\_SCRIPTS%\\coverage.exe run --branch --source=app --omit=app\\\_\_init\_\_.py,app\\api.py -m pytest --junitxml=result-unit.xml test\\unit

'''

sleep(5) // Asegúrate de que los resultados estén listos

junit 'result-unit.xml' // Reporte de las pruebas unitarias

}

}

}

// Etapa de Cobertura de Pruebas (Reutilizando los resultados de Unit)

stage('Coverage') {

steps {

bat '''

%PYTHON\_PATH\_SCRIPTS%\\coverage.exe xml

'''

catchError(buildResult: 'UNSTABLE', stageResult: 'FAILURE') {

cobertura coberturaReportFile: '\*\*/coverage.xml', conditionalCoverageTargets: '100,80,90', lineCoverageTargets: '100,85,95'

}

}

}

// Etapa de Análisis Estático (Flake8)

stage('Static') {

steps {

bat '''

%PYTHON\_PATH\_SCRIPTS%\\flake8.exe --exit-zero --format=pylint --exit-zero app >flake8.out

'''

// Umbrales para Flake8

recordIssues tools: [flake8(name: 'Flake8', pattern: '\*\*/flake8.out')],

qualityGates: [

[threshold: 8, type: 'TOTAL', unstable: true], // 8 o más hallazgos -> Unstable

[threshold: 10, type: 'TOTAL', unstable: false, healthy: false] // 10 o más hallazgos -> Unhealthy

]

}

}

// Etapa de Análisis de Seguridad (Bandit)

stage('Security') {

steps {

bat '''

%PYTHON\_PATH\_SCRIPTS%\\bandit.exe --exit-zero -r . -f custom -o bandit.out --msg-template "{abspath}:{line}: [{test\_id}] {msg}"

'''

catchError(buildResult: 'SUCCESS', stageResult: 'UNSTABLE') {

// Usamos el patrón relativo para buscar 'bandit.out' y aplicar los Quality Gates

recordIssues tools: [pyLint(name: 'Bandit', pattern: '\*\*/bandit.out')],

qualityGates: [

[threshold: 2, type: 'TOTAL', unstable: true], // 2 o más hallazgos -> Unstable

[threshold: 4, type: 'TOTAL', unstable: false, healthy: false] // 4 o más hallazgos -> Unhealthy

]

}

}

}

// Etapa de Pruebas de Rendimiento (JMeter)

stage('Performance') {

steps {

bat '''

SET FLASK\_APP=app\\api.py

start /B %PYTHON\_PATH% -m flask run --host=0.0.0.0 --port=5000

rem Espera 10 segundos para asegurarse de que Flask esté listo antes de correr las pruebas

C:\\Users\\amaro\\Downloads\\apache-jmeter-5.6.3\\apache-jmeter-5.6.3\\bin\\jmeter -n -t test\\jmeter\\flask.jmx -f -l flask.jtl

'''

script {

// Después de la ejecución de las pruebas de rendimiento y la cobertura, procesamos el reporte

catchError(buildResult: 'SUCCESS', stageResult: 'UNSTABLE') {

// Ejecutar el reporte de rendimiento

perfReport sourceDataFiles: '\*\*/flask.jtl'

}

}

}

}

}

}

* Log de la ejecución del pipeline.

Lanzada por el usuario Giovanna leon

[Pipeline] Start of Pipeline

[Pipeline] node

Running on agent2

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1

[Pipeline] {

[Pipeline] withEnv

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Get Code)

[Pipeline] git

The recommended git tool is: NONE

No credentials specified

Fetching changes from the remote Git repository

Checking out Revision 68937f3074832c2836450d95064bb33a92eba723 (refs/remotes/origin/master)

> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1\.git # timeout=10

> git.exe config remote.origin.url https://github.com/GiovannaLeon/helloworld.git # timeout=10

Fetching upstream changes from https://github.com/GiovannaLeon/helloworld.git

> git.exe --version # timeout=10

> git --version # 'git version 2.47.1.windows.1'

> git.exe fetch --tags --force --progress -- https://github.com/GiovannaLeon/helloworld.git +refs/heads/\*:refs/remotes/origin/\* # timeout=10

> git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10

> git.exe config core.sparsecheckout # timeout=10

Commit message: "Add files via upload"

> git.exe checkout -f 68937f3074832c2836450d95064bb33a92eba723 # timeout=10

> git.exe branch -a -v --no-abbrev # timeout=10

> git.exe branch -D master # timeout=10

> git.exe checkout -b master 68937f3074832c2836450d95064bb33a92eba723 # timeout=10

> git.exe rev-list --no-walk 68937f3074832c2836450d95064bb33a92eba723 # timeout=10

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1>dir

El volumen de la unidad C es Windows

El n£mero de serie del volumen es: 6475-04AA

Directorio de C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1

27/01/2025 14:07 <DIR> .

24/01/2025 01:01 <DIR> ..

27/01/2025 14:07 53.248 .coverage

24/01/2025 00:40 40 .gitignore

24/01/2025 00:40 <DIR> .pytest\_cache

24/01/2025 00:40 <DIR> app

27/01/2025 14:07 426 bandit.out

27/01/2025 14:07 2.261 coverage.xml

27/01/2025 14:00 <DIR> CP2.1.1

27/01/2025 14:07 500 flake8.out

27/01/2025 14:07 20.035 flask.jtl

24/01/2025 00:40 <DIR> jenkinsFile\_1

24/01/2025 00:40 <DIR> jenkinsFile\_2

24/01/2025 00:40 <DIR> JenkinsFile\_3

24/01/2025 00:40 <DIR> jenkinsfile\_4

27/01/2025 14:07 10.493 jmeter.log

24/01/2025 00:40 175 pytest.ini

24/01/2025 00:40 418 README.md

27/01/2025 14:07 1.401 result-unit.xml

24/01/2025 00:40 <DIR> test

10 archivos 88.997 bytes

10 dirs 565.804.642.304 bytes libres

[Pipeline] echo

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Unit)

[Pipeline] catchError

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1>SET PYTHONPATH=C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\coverage.exe run --branch --source=app --omit=app\\_\_init\_\_.py,app\api.py -m pytest --junitxml=result-unit.xml test\unit

============================= test session starts =============================

platform win32 -- Python 3.13.0, pytest-8.3.4, pluggy-1.5.0

rootdir: C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1

configfile: pytest.ini

collected 10 items

test\unit\calc\_test.py ........ [ 80%]

test\unit\util\_test.py .. [100%]

- generated xml file: C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1\result-unit.xml -

============================= 10 passed in 0.22s ==============================

[Pipeline] sleep

Sleeping for 5 Seg

[Pipeline] junit

Grabando resultados de tests

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Coverage)

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\coverage.exe xml

Wrote XML report to coverage.xml

[Pipeline] catchError

[Pipeline] {

[Pipeline] cobertura

[Cobertura] Publishing Cobertura coverage report...

[Cobertura] Publishing Cobertura coverage results...

[Cobertura] Cobertura coverage report found.

[Cobertura] Code coverage enforcement failed for the following metrics:

[Cobertura] Condicionales's stability is 83.33 and set mininum stability is 90.0.

[Pipeline] }

ERROR: [Cobertura] Failing build due to unstability.

Setting overall build result to UNSTABLE

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Static)

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\flake8.exe --exit-zero --format=pylint --exit-zero app 1>flake8.out

[Pipeline] recordIssues

WARNING: Unknown parameter(s) found for class type 'io.jenkins.plugins.analysis.core.util.WarningsQualityGate': healthy

[Flake8] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1' that match the pattern '\*\*/flake8.out'

[Flake8] Traversing of symbolic links: enabled

[Flake8] -> found 1 file

[Flake8] Successfully parsed file C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1\flake8.out

[Flake8] -> found 9 issues (skipped 0 duplicates)

[Flake8] Successfully processed file 'flake8.out'

[Flake8] Post processing issues on 'agent2' with source code encoding 'windows-1252'

[Flake8] Creating SCM blamer to obtain author and commit information for affected files

[Flake8] -> No blamer installed yet. You need to install the 'git-forensics' plugin to enable blaming for Git.

[Flake8] Resolving file names for all issues in workspace 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1'

[Flake8] -> resolved paths in source directory (2 found, 0 not found)

[Flake8] Resolving module names from module definitions (build.xml, pom.xml, or Manifest.mf files)

[Flake8] -> resolved module names for 9 issues

[Flake8] Resolving package names (or namespaces) by parsing the affected files

[Flake8] -> resolved package names of 2 affected files

[Flake8] No filter has been set, publishing all 9 issues

[Flake8] Creating fingerprints for all affected code blocks to track issues over different builds

[Flake8] -> created fingerprints for 9 issues (skipped 0 issues)

[Flake8] Copying affected files to Jenkins' build folder 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\CP2.1.1\builds\74\files-with-issues'

[Flake8] -> 2 copied, 0 not in workspace, 0 not-found, 0 with I/O error

[Flake8] Skipping cleaning of source code files in old builds

[Flake8] Repository miner is not configured, skipping repository mining

[Flake8] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1' that match the pattern '\*\*/flake8.out'

[Flake8] Traversing of symbolic links: enabled

[Flake8] -> found 1 file

[Flake8] Successfully parsed file C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1\flake8.out

[Flake8] -> found 9 issues (skipped 0 duplicates)

[Flake8] Successfully processed file 'flake8.out'

[Flake8] Post processing issues on 'agent2' with source code encoding 'windows-1252'

[Flake8] Creating SCM blamer to obtain author and commit information for affected files

[Flake8] -> No blamer installed yet. You need to install the 'git-forensics' plugin to enable blaming for Git.

[Flake8] Resolving file names for all issues in workspace 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1'

[Flake8] -> resolved paths in source directory (2 found, 0 not found)

[Flake8] Resolving module names from module definitions (build.xml, pom.xml, or Manifest.mf files)

[Flake8] -> resolved module names for 9 issues

[Flake8] Resolving package names (or namespaces) by parsing the affected files

[Flake8] -> resolved package names of 2 affected files

[Flake8] No filter has been set, publishing all 9 issues

[Flake8] Creating fingerprints for all affected code blocks to track issues over different builds

[Flake8] -> created fingerprints for 9 issues (skipped 0 issues)

[Flake8] Copying affected files to Jenkins' build folder 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\CP2.1.1\builds\74\files-with-issues'

[Flake8] -> 2 copied, 0 not in workspace, 0 not-found, 0 with I/O error

[Flake8] Skipping cleaning of source code files in old builds

[Flake8] Repository miner is not configured, skipping repository mining

[Flake8] Reference build recorder is not configured

[Flake8] No valid reference build found

[Flake8] All reported issues will be considered outstanding

[Flake8] Evaluating quality gates

[Flake8] -> Some quality gates have been missed: overall result is UNSTABLE

[Flake8] -> Details for each quality gate:

[Flake8] - [Total (any severity)]: ≪Inestable≫ - (Actual value: 9, Quality gate: 8,00)

[Flake8] - [Total (any severity)]: ≪Correcto≫ - (Actual value: 9, Quality gate: 10,00)

[Flake8] Health report is disabled - skipping

[Flake8] Created analysis result for 9 issues (found 0 new issues, fixed 0 issues)

[Flake8] Attaching ResultAction with ID 'flake8' to build 'Unir/CP2.1.1 #74'.

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Security)

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\bandit.exe --exit-zero -r . -f custom -o bandit.out --msg-template "{abspath}:{line}: [{test\_id}] {msg}"

[main] INFO profile include tests: None

[main] INFO profile exclude tests: None

[main] INFO cli include tests: None

[main] INFO cli exclude tests: None

[main] INFO running on Python 3.13.0

[custom] INFO Result written to file: bandit.out

[Pipeline] catchError

[Pipeline] {

[Pipeline] recordIssues

WARNING: Unknown parameter(s) found for class type 'io.jenkins.plugins.analysis.core.util.WarningsQualityGate': healthy

[Bandit] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1' that match the pattern '\*\*/bandit.out'

[Bandit] Traversing of symbolic links: enabled

[Bandit] -> found 1 file

[Bandit] Successfully parsed file C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1\bandit.out

[Bandit] -> found 2 issues (skipped 0 duplicates)

[Bandit] Successfully processed file 'bandit.out'

[Bandit] Post processing issues on 'agent2' with source code encoding 'windows-1252'

[Bandit] Creating SCM blamer to obtain author and commit information for affected files

[Bandit] -> No blamer installed yet. You need to install the 'git-forensics' plugin to enable blaming for Git.

[Bandit] Resolving file names for all issues in workspace 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1'

[Bandit] -> resolved paths in source directory (1 found, 0 not found)

[Bandit] Resolving module names from module definitions (build.xml, pom.xml, or Manifest.mf files)

[Bandit] -> resolved module names for 2 issues

[Bandit] Resolving package names (or namespaces) by parsing the affected files

[Bandit] -> resolved package names of 1 affected files

[Bandit] No filter has been set, publishing all 2 issues

[Bandit] Creating fingerprints for all affected code blocks to track issues over different builds

[Bandit] -> created fingerprints for 2 issues (skipped 0 issues)

[Bandit] Copying affected files to Jenkins' build folder 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\CP2.1.1\builds\74\files-with-issues'

[Bandit] -> 1 copied, 0 not in workspace, 0 not-found, 0 with I/O error

[Bandit] Skipping cleaning of source code files in old builds

[Bandit] Repository miner is not configured, skipping repository mining

[Bandit] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1' that match the pattern '\*\*/bandit.out'

[Bandit] Traversing of symbolic links: enabled

[Bandit] -> found 1 file

[Bandit] Successfully parsed file C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1\bandit.out

[Bandit] -> found 2 issues (skipped 0 duplicates)

[Bandit] Successfully processed file 'bandit.out'

[Bandit] Post processing issues on 'agent2' with source code encoding 'windows-1252'

[Bandit] Creating SCM blamer to obtain author and commit information for affected files

[Bandit] -> No blamer installed yet. You need to install the 'git-forensics' plugin to enable blaming for Git.

[Bandit] Resolving file names for all issues in workspace 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1'

[Bandit] -> resolved paths in source directory (1 found, 0 not found)

[Bandit] Resolving module names from module definitions (build.xml, pom.xml, or Manifest.mf files)

[Bandit] -> resolved module names for 2 issues

[Bandit] Resolving package names (or namespaces) by parsing the affected files

[Bandit] -> resolved package names of 1 affected files

[Bandit] No filter has been set, publishing all 2 issues

[Bandit] Creating fingerprints for all affected code blocks to track issues over different builds

[Bandit] -> created fingerprints for 2 issues (skipped 0 issues)

[Bandit] Copying affected files to Jenkins' build folder 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\CP2.1.1\builds\74\files-with-issues'

[Bandit] -> 1 copied, 0 not in workspace, 0 not-found, 0 with I/O error

[Bandit] Skipping cleaning of source code files in old builds

[Bandit] Repository miner is not configured, skipping repository mining

[Bandit] Reference build recorder is not configured

[Bandit] No valid reference build found

[Bandit] All reported issues will be considered outstanding

[Bandit] Evaluating quality gates

[Bandit] -> Some quality gates have been missed: overall result is UNSTABLE

[Bandit] -> Details for each quality gate:

[Bandit] - [Total (any severity)]: ≪Inestable≫ - (Actual value: 2, Quality gate: 2,00)

[Bandit] - [Total (any severity)]: ≪Correcto≫ - (Actual value: 2, Quality gate: 4,00)

[Bandit] Health report is disabled - skipping

[Bandit] Created analysis result for 2 issues (found 0 new issues, fixed 0 issues)

[Bandit] Attaching ResultAction with ID 'pylint' to build 'Unir/CP2.1.1 #74'.

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Performance)

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1>SET FLASK\_APP=app\api.py

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1>start /B C:\Users\amaro\AppData\Local\Programs\Python\Python313\python.exe -m flask run --host=0.0.0.0 --port=5000

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1>rem Espera 10 segundos para asegurarse de que Flask estÃ© listo antes de correr las pruebas

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1>C:\Users\amaro\Downloads\apache-jmeter-5.6.3\apache-jmeter-5.6.3\bin\jmeter -n -t test\jmeter\flask.jmx -f -l flask.jtl

\* Serving Flask app 'app\api.py'

\* Debug mode: off

WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

\* Running on all addresses (0.0.0.0)

\* Running on http://127.0.0.1:5000

\* Running on http://192.168.1.48:5000

Press CTRL+C to quit

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

Creating summariser <summary>

Created the tree successfully using test\jmeter\flask.jmx

Starting standalone test @ 2025 Jan 27 14:15:24 CET (1737983724123)

Waiting for possible Shutdown/StopTestNow/HeapDump/ThreadDump message on port 4445

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:24] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [27/Jan/2025 14:15:25] "GET /calc/substract/25/19 HTTP/1.1" 200 -

summary = 160 in 00:00:01 = 159.4/s Avg: 6 Min: 2 Max: 49 Err: 0 (0.00%)

Tidying up ... @ 2025 Jan 27 14:15:25 CET (1737983725256)

... end of run

[Pipeline] script

[Pipeline] {

[Pipeline] catchError

[Pipeline] {

[Pipeline] perfReport

Creating parser with percentiles:'0,50,90,95,100,' filterRegex:null

Performance: Recording JMeterCsv reports '\*\*/flask.jtl'

Performance: JMeterCsv copying reports to master, files '[C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\CP2.1.1\flask.jtl]'

Performance: JMeterCsv parsing local reports '[C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\CP2.1.1\builds\74\performance-reports\JMeterCSV\flask.jtl]'

Performance: Parsing report file 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\CP2.1.1\builds\74\performance-reports\JMeterCSV\flask.jtl' with filterRegex 'null'.

Performance: No threshold configured for making the test unstable

Performance: No threshold configured for making the test failure

Performance: File flask.jtl reported 0.0% of errors [SUCCESS]. Build status is: UNSTABLE

[Pipeline] }

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // script

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] End of Pipeline

Finished: UNSTABLE>

Captura de pantalla de Jenkins donde se vea el resultado de la ejecución del pipeline.

Interfaz de usuario gráfica, Aplicación, Teams

Descripción generada automáticamente

Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamente

Interfaz de usuario gráfica, Aplicación, Tabla

Descripción generada automáticamente

Resultados

Interfaz de usuario gráfica, Texto, Aplicación, Correo electrónico

Descripción generada automáticamente

* Captura de pantalla de Jenkins donde se vea el resultado de los plugins:
  + Plugin Junit: evolución de los resultados de las pruebas unitarias.
  + Interfaz de usuario gráfica, Gráfico, Histograma

    Descripción generada automáticamente

Interfaz de usuario gráfica, Texto, Aplicación

Descripción generada automáticamente

Interfaz de usuario gráfica, Texto, Aplicación, Correo electrónico

Descripción generada automáticamente

Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamente

* + Plugin Cobertura: evolución de la cobertura por líneas, ramas, etc.

Imagen que contiene Interfaz de usuario gráfica

Descripción generada automáticamente

Gráfico, Gráfico en cascada

Descripción generada automáticamente

* + Plugin Warnings-NG (Flake8): evolución de los hallazgos encontrados.
  + Gráfico, Gráfico de líneas

    Descripción generada automáticamente

Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamente

Tabla

Descripción generada automáticamente

* + Plugin Warnings-NG (Bandit): evolución de los hallazgos encontrados.
  + Gráfico

    Descripción generada automáticamente

Gráfico

Descripción generada automáticamente con confianza media

Interfaz de usuario gráfica, Texto, Aplicación

Descripción generada automáticamente

* + Plugin Performance: gráfica de tiempos de respuesta “Response Times (ms)” de ambos microservicios, y comentario sobre qué conclusiones se pueden extraer al observar esa gráfica.
    - Obtener el valor (aproximado) de línea 90 para el microservicio de suma e indicar en qué gráfica se puede obtener este dato, y qué significa este dato.

Aplicación

Descripción generada automáticamente con confianza media

Interfaz de usuario gráfica, Aplicación, Tabla, Excel

Descripción generada automáticamente

Gráfico

Descripción generada automáticamente

El **percentil 90** indica que el **90% de las solicitudes** fueron más rápidas o iguales a ese valor de tiempo de respuesta, y solo el **10% restante** fueron más lentas. Este valor es útil porque describe el rendimiento de la mayoría de las solicitudes, excluyendo los picos extremos.

Un tiempo de respuesta en el **percentil 90** que sea alto puede indicar que algunos casos están experimentando latencias excesivas, lo que puede generar una mala experiencia para el usuario.

En este caso significa: Que en la línea 90 suele tardar menos de 3 ms.

* Explicación del funcionamiento del pipeline.

**Este es un ejemplo de un Jenkins Pipeline utilizando la DSL Declarativa, que define un conjunto de** etapas para automatizar el proceso de integración continua de un proyecto. Te explico cada parte clave del pipeline:

**1. Agente**

agent any

El agent any indica que este pipeline puede ejecutarse en cualquier agente disponible, es decir, en cualquier máquina o nodo de Jenkins que esté disponible para ejecutar el pipeline.

**2. Environment**

environment {

PYTHON\_PATH = "C:\\Users\\amaro\\AppData\\Local\\Programs\\Python\\Python313\\python.exe"

PYTHON\_PATH\_SCRIPTS = "C:\\Users\\amaro\\AppData\\Local\\Programs\\Python\\Python313\\Scripts"

}

En esta sección se definen variables de entorno que se usarán durante la ejecución del pipeline. En este caso, se define la ubicación del ejecutable de Python y de los scripts adicionales que se necesitan.

**3. Stages (Etapas)**

Las etapas definen las diferentes fases del proceso de construcción, prueba y análisis del código. Cada etapa tiene su propio conjunto de pasos. A continuación te explico las etapas que tiene este pipeline:

**a. Get Code (Obtener Código)**

stage('Get Code') {

steps {

git 'https://github.com/GiovannaLeon/helloworld.git'

bat "dir"

echo WORKSPACE

}

}

Esta etapa se encarga de clonar el repositorio de GitHub en el espacio de trabajo de Jenkins y luego ejecuta algunos comandos (dir y echo WORKSPACE) para verificar el contenido del directorio y mostrar la ruta del espacio de trabajo.

**b. Unit (Pruebas Unitarias)**

stage('Unit') {

steps {

catchError(buildResult: 'UNSTABLE', stageResult: 'FAILURE') {

bat '''

SET PYTHONPATH=%WORKSPACE%

%PYTHON\_PATH\_SCRIPTS%\\coverage.exe run --branch --source=app --omit=app\\\_\_init\_\_.py,app\\api.py -m pytest --junitxml=result-unit.xml test\\unit

'''

sleep(5)

junit 'result-unit.xml'

}

}

}

En esta etapa se ejecutan pruebas unitarias usando pytest. Primero, se ejecuta el comando para medir la cobertura de las pruebas con coverage y luego se generan los resultados en formato XML (result-unit.xml), que se procesan con el comando junit para generar un informe de resultados de las pruebas unitarias.

**c. Coverage (Cobertura de Pruebas)**

stage('Coverage') {

steps {

bat '''

%PYTHON\_PATH\_SCRIPTS%\\coverage.exe xml

'''

catchError(buildResult: 'UNSTABLE', stageResult: 'FAILURE') {

cobertura coberturaReportFile: '\*\*/coverage.xml', conditionalCoverageTargets: '100,80,90', lineCoverageTargets: '100,85,95'

}

}

}

Aquí se genera un informe de cobertura en formato XML utilizando coverage.exe, y luego se usa el plugin cobertura de Jenkins para mostrar un análisis de cobertura en base a los umbrales definidos (porcentaje de cobertura en líneas y condiciones).

**d. Static (Análisis Estático con Flake8)**

stage('Static') {

steps {

bat '''

%PYTHON\_PATH\_SCRIPTS%\\flake8.exe --exit-zero --format=pylint --exit-zero app >flake8.out

'''

recordIssues tools: [flake8(name: 'Flake8', pattern: '\*\*/flake8.out')],

qualityGates: [

[threshold: 8, type: 'TOTAL', unstable: true],

[threshold: 10, type: 'TOTAL', unstable: false, healthy: false]

]

}

}

En esta etapa se realiza un análisis estático del código utilizando flake8, una herramienta de estilo de código Python. Luego se procesan los resultados (flake8.out) y se definen Quality Gates para que el build sea marcado como inestable si el número de problemas detectados excede los umbrales establecidos.

**e. Security (Análisis de Seguridad con Bandit)**

stage('Security') {

steps {

bat '''

%PYTHON\_PATH\_SCRIPTS%\\bandit.exe --exit-zero -r . -f custom -o bandit.out --msg-template "{abspath}:{line}: [{test\_id}] {msg}"

'''

catchError(buildResult: 'SUCCESS', stageResult: 'UNSTABLE') {

recordIssues tools: [pyLint(name: 'Bandit', pattern: '\*\*/bandit.out')],

qualityGates: [

[threshold: 2, type: 'TOTAL', unstable: true],

[threshold: 4, type: 'TOTAL', unstable: false, healthy: false]

]

}

}

}

Esta etapa realiza un análisis de seguridad del código usando Bandit, que detecta vulnerabilidades en el código Python. Al igual que en la etapa anterior, los resultados se procesan y se aplican los Quality Gates para evaluar si el número de vulnerabilidades encontradas es aceptable.

**f. Performance (Pruebas de Rendimiento con JMeter)**

stage('Performance') {

steps {

bat '''

SET FLASK\_APP=app\\api.py

start /B %PYTHON\_PATH% -m flask run --host=0.0.0.0 --port=5000

rem Espera 10 segundos para asegurarse de que Flask esté listo antes de correr las pruebas

C:\\Users\\amaro\\Downloads\\apache-jmeter-5.6.3\\apache-jmeter-5.6.3\\bin\\jmeter -n -t test\\jmeter\\flask.jmx -f -l flask.jtl

'''

script {

catchError(buildResult: 'SUCCESS', stageResult: 'UNSTABLE') {

perfReport sourceDataFiles: '\*\*/flask.jtl'

}

}

}

}

Finalmente, en esta etapa se realizan pruebas de rendimiento utilizando JMeter para probar un servidor Flask en ejecución. Los resultados de las pruebas de rendimiento se almacenan en un archivo .jtl, que luego se procesa y se genera un informe de rendimiento.

Reto 2 – Distribución en agentes

En este reto se solicitan 3 entregables:

* URL al repositorio creado por el alumno, a partir del código fuente base de este CP1, que albergue tanto el código fuente como el nuevo Jenkinsfile.

**https://github.com/GiovannaLeon/helloworld/blob/master/CP2.1.1/JENKINSFILE\_agentes.txt**

Tabla

Descripción generada automáticamente

Interfaz de usuario gráfica, Texto, Aplicación, Correo electrónico

Descripción generada automáticamente

pipeline {

Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamente

pipeline {

agent none

environment {

PYTHON\_PATH = "C:\\Users\\amaro\\AppData\\Local\\Programs\\Python\\Python313\\python.exe"

PYTHON\_PATH\_SCRIPTS = "C:\\Users\\amaro\\AppData\\Local\\Programs\\Python\\Python313\\Scripts"

}

stages {

stage('Get Code') {

agent { label 'agent1' }

steps {

bat "whoami"

bat "hostname"

bat "echo ${WORKSPACE}"

git 'https://github.com/GiovannaLeon/helloworld.git'

bat "dir"

echo "Workspace: ${WORKSPACE}"

stash name: 'codigo', includes: '\*\*/\*'

}

}

stage('Unit') {

agent { label 'agent1' }

steps {

bat "whoami"

bat "hostname"

bat "echo ${WORKSPACE}"

catchError(buildResult: 'UNSTABLE', stageResult: 'FAILURE') {

bat '''

SET PYTHONPATH=%WORKSPACE%

%PYTHON\_PATH\_SCRIPTS%\\coverage.exe run --branch --source=app --omit=app\\\_\_init\_\_.py,app\\api.py -m pytest --junitxml=result-unit.xml test\\unit

'''

sleep(5)

junit 'result\*.xml' // Reporte de las pruebas unitarias

}

}

}

stage('Coverage') {

agent { label 'agent1' }

steps {

unstash 'codigo'

bat "whoami"

bat "hostname"

bat "echo ${WORKSPACE}"

bat '''

%PYTHON\_PATH\_SCRIPTS%\\coverage.exe xml

'''

catchError(buildResult: 'UNSTABLE', stageResult: 'FAILURE') {

cobertura coberturaReportFile: '\*\*/coverage.xml', conditionalCoverageTargets: '100,80,90', lineCoverageTargets: '100,85,95'

}

}

}

stage('Static and Security Analysis') {

parallel {

stage('Static') {

agent { label 'agent1' }

steps {

unstash 'codigo'

bat "whoami"

bat "hostname"

bat "echo ${WORKSPACE}"

bat '''

%PYTHON\_PATH\_SCRIPTS%\\flake8.exe --exit-zero --format=pylint --exit-zero app >flake8.out

'''

recordIssues tools: [flake8(name: 'Flake8', pattern: '\*\*/flake8.out')],

qualityGates: [

[threshold: 8, type: 'TOTAL', unstable: true],

[threshold: 10, type: 'TOTAL', unstable: false, healthy: false]

]

}

}

stage('Security') {

agent { label 'agent2' }

steps {

bat "whoami"

bat "hostname"

bat "echo ${WORKSPACE}"

bat '''

%PYTHON\_PATH\_SCRIPTS%\\bandit.exe --exit-zero -r . -f custom -o bandit.out --msg-template "{abspath}:{line}: [{test\_id}] {msg}"

'''

catchError(buildResult: 'SUCCESS', stageResult: 'UNSTABLE') {

recordIssues tools: [pyLint(name: 'Bandit', pattern: '\*\*/bandit.out')],

qualityGates: [

[threshold: 2, type: 'TOTAL', unstable: true],

[threshold: 4, type: 'TOTAL', unstable: false, healthy: false]

]

}

}

}

}

}

stage('Performance') {

agent { label 'agent3' }

steps {

unstash 'codigo'

bat "whoami"

bat "hostname"

bat "echo ${WORKSPACE}"

bat '''

SET FLASK\_APP=app\\api.py

start /B %PYTHON\_PATH% -m flask run --host=0.0.0.0 --port=5000

timeout /t 10 /nobreak

rem Espera 10 segundos para asegurarse de que Flask esté listo antes de correr las pruebas

C:\\Users\\amaro\\Downloads\\apache-jmeter-5.6.3\\apache-jmeter-5.6.3\\bin\\jmeter -n -t test\\jmeter\\flask.jmx -f -l flask.jtl

'''

script {

perfReport sourceDataFiles: '\*\*/flask.jtl'

}

}

}

}

}

* Log de la ejecución del pipeline (debe visualizarse un “whoami” y “hostname” para identificar el agente empleado en cada etapa).

Interfaz de usuario gráfica, Texto, Aplicación, Correo electrónico, Teams

Descripción generada automáticamente

Lanzada por el usuario Giovanna leon

[Pipeline] Start of Pipeline

[Pipeline] withEnv

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Get Code)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] git

The recommended git tool is: NONE

No credentials specified

Fetching changes from the remote Git repository

> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\.git # timeout=10

> git.exe config remote.origin.url https://github.com/GiovannaLeon/helloworld.git # timeout=10

Fetching upstream changes from https://github.com/GiovannaLeon/helloworld.git

> git.exe --version # timeout=10

> git --version # 'git version 2.47.1.windows.1'

> git.exe fetch --tags --force --progress -- https://github.com/GiovannaLeon/helloworld.git +refs/heads/\*:refs/remotes/origin/\* # timeout=10

Checking out Revision 793a6da7c7235bfbd785ffc6ea43f3fc5dd21a16 (refs/remotes/origin/master)

> git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10

> git.exe config core.sparsecheckout # timeout=10

> git.exe checkout -f 793a6da7c7235bfbd785ffc6ea43f3fc5dd21a16 # timeout=10

> git.exe branch -a -v --no-abbrev # timeout=10

Commit message: "Add files via upload"

> git.exe branch -D master # timeout=10

> git.exe checkout -b master 793a6da7c7235bfbd785ffc6ea43f3fc5dd21a16 # timeout=10

> git.exe rev-list --no-walk 793a6da7c7235bfbd785ffc6ea43f3fc5dd21a16 # timeout=10

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>dir

El volumen de la unidad C es Windows

El n£mero de serie del volumen es: 6475-04AA

Directorio de C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

29/01/2025 14:15 <DIR> .

31/01/2025 22:58 <DIR> ..

29/01/2025 14:04 53.248 .coverage

20/01/2025 01:38 40 .gitignore

20/01/2025 01:38 <DIR> .pytest\_cache

20/01/2025 01:38 <DIR> app

29/01/2025 14:15 2.273 coverage.xml

29/01/2025 14:04 <DIR> CP2.1.1

29/01/2025 14:10 500 flake8.out

20/01/2025 01:38 <DIR> jenkinsFile\_1

20/01/2025 01:38 <DIR> jenkinsFile\_2

20/01/2025 01:38 <DIR> JenkinsFile\_3

20/01/2025 01:38 <DIR> jenkinsfile\_4

20/01/2025 01:38 175 pytest.ini

20/01/2025 01:38 418 README.md

29/01/2025 14:04 1.401 result-unit.xml

20/01/2025 01:38 <DIR> test

7 archivos 58.055 bytes

10 dirs 563.749.330.944 bytes libres

[Pipeline] echo

Workspace: C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] stash

Stashed 50 file(s)

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Unit)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] catchError

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>SET PYTHONPATH=C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\coverage.exe run --branch --source=app --omit=app\\_\_init\_\_.py,app\api.py -m pytest --junitxml=result-unit.xml test\unit

============================= test session starts =============================

platform win32 -- Python 3.13.0, pytest-8.3.4, pluggy-1.5.0

rootdir: C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

configfile: pytest.ini

collected 10 items

test\unit\calc\_test.py ........ [ 80%]

test\unit\util\_test.py .. [100%]

- generated xml file: C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\result-unit.xml -

============================= 10 passed in 0.11s ==============================

[Pipeline] sleep

Sleeping for 5 Seg

[Pipeline] junit

Grabando resultados de tests

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Coverage)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] {

[Pipeline] unstash

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\coverage.exe xml

Wrote XML report to coverage.xml

[Pipeline] catchError

[Pipeline] {

[Pipeline] cobertura

[Cobertura] Publishing Cobertura coverage report...

[Cobertura] Publishing Cobertura coverage results...

[Cobertura] Cobertura coverage report found.

[Cobertura] Code coverage enforcement failed for the following metrics:

[Cobertura] Condicionales's stability is 83.33 and set mininum stability is 90.0.

[Pipeline] }

ERROR: [Cobertura] Failing build due to unstability.

Setting overall build result to UNSTABLE

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Static and Security Analysis)

[Pipeline] parallel

[Pipeline] { (Branch: Static)

[Pipeline] { (Branch: Security)

[Pipeline] stage

[Pipeline] { (Static)

[Pipeline] stage

[Pipeline] { (Security)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] node

Running on agent2

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] {

[Pipeline] {

[Pipeline] unstash

[Pipeline] bat

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\bandit.exe --exit-zero -r . -f custom -o bandit.out --msg-template "{abspath}:{line}: [{test\_id}] {msg}"

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\flake8.exe --exit-zero --format=pylint --exit-zero app 1>flake8.out

[main] INFO profile include tests: None

[main] INFO profile exclude tests: None

[main] INFO cli include tests: None

[main] INFO cli exclude tests: None

[main] INFO running on Python 3.13.0

[custom] INFO Result written to file: bandit.out

[Pipeline] catchError

[Pipeline] {

[Pipeline] recordIssues

WARNING: Unknown parameter(s) found for class type 'io.jenkins.plugins.analysis.core.util.WarningsQualityGate': healthy

[Bandit] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes' that match the pattern '\*\*/bandit.out'

[Bandit] Traversing of symbolic links: enabled

[Bandit] -> found 1 file

[Bandit] Skipping file 'bandit.out' because it's empty

[Bandit] Skipping post processing

[Bandit] No filter has been set, publishing all 0 issues

[Bandit] Repository miner is not configured, skipping repository mining

[Bandit] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes' that match the pattern '\*\*/bandit.out'

[Bandit] Traversing of symbolic links: enabled

[Bandit] -> found 1 file

[Bandit] Skipping file 'bandit.out' because it's empty

[Bandit] Skipping post processing

[Bandit] No filter has been set, publishing all 0 issues

[Bandit] Repository miner is not configured, skipping repository mining

[Bandit] Reference build recorder is not configured

[Bandit] No valid reference build found

[Bandit] All reported issues will be considered outstanding

[Bandit] Evaluating quality gates

[Bandit] -> All quality gates have been passed

[Bandit] -> Details for each quality gate:

[Bandit] - [Total (any severity)]: ≪Correcto≫ - (Actual value: 0, Quality gate: 2,00)

[Bandit] - [Total (any severity)]: ≪Correcto≫ - (Actual value: 0, Quality gate: 4,00)

[Bandit] Health report is disabled - skipping

[Bandit] Created analysis result for 0 issues (found 0 new issues, fixed 0 issues)

[Bandit] Attaching ResultAction with ID 'pylint' to build 'Unir/JENKINSFILE\_agentes #28'.

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] recordIssues

WARNING: Unknown parameter(s) found for class type 'io.jenkins.plugins.analysis.core.util.WarningsQualityGate': healthy

[Flake8] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes' that match the pattern '\*\*/flake8.out'

[Flake8] Traversing of symbolic links: enabled

[Flake8] -> found 1 file

[Flake8] Successfully parsed file C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\flake8.out

[Flake8] -> found 9 issues (skipped 0 duplicates)

[Flake8] Successfully processed file 'flake8.out'

[Flake8] Post processing issues on 'agent1' with source code encoding 'windows-1252'

[Flake8] Creating SCM blamer to obtain author and commit information for affected files

[Flake8] -> No blamer installed yet. You need to install the 'git-forensics' plugin to enable blaming for Git.

[Flake8] Resolving file names for all issues in workspace 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes'

[Flake8] -> resolved paths in source directory (2 found, 0 not found)

[Flake8] Resolving module names from module definitions (build.xml, pom.xml, or Manifest.mf files)

[Flake8] -> resolved module names for 9 issues

[Flake8] Resolving package names (or namespaces) by parsing the affected files

[Flake8] -> resolved package names of 2 affected files

[Flake8] No filter has been set, publishing all 9 issues

[Flake8] Creating fingerprints for all affected code blocks to track issues over different builds

[Flake8] -> created fingerprints for 9 issues (skipped 0 issues)

[Flake8] Copying affected files to Jenkins' build folder 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\builds\28\files-with-issues'

[Flake8] -> 2 copied, 0 not in workspace, 0 not-found, 0 with I/O error

[Flake8] Skipping cleaning of source code files in old builds

[Flake8] Repository miner is not configured, skipping repository mining

[Flake8] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes' that match the pattern '\*\*/flake8.out'

[Flake8] Traversing of symbolic links: enabled

[Flake8] -> found 1 file

[Flake8] Successfully parsed file C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\flake8.out

[Flake8] -> found 9 issues (skipped 0 duplicates)

[Flake8] Successfully processed file 'flake8.out'

[Flake8] Post processing issues on 'agent1' with source code encoding 'windows-1252'

[Flake8] Creating SCM blamer to obtain author and commit information for affected files

[Flake8] -> No blamer installed yet. You need to install the 'git-forensics' plugin to enable blaming for Git.

[Flake8] Resolving file names for all issues in workspace 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes'

[Flake8] -> resolved paths in source directory (2 found, 0 not found)

[Flake8] Resolving module names from module definitions (build.xml, pom.xml, or Manifest.mf files)

[Flake8] -> resolved module names for 9 issues

[Flake8] Resolving package names (or namespaces) by parsing the affected files

[Flake8] -> resolved package names of 2 affected files

[Flake8] No filter has been set, publishing all 9 issues

[Flake8] Creating fingerprints for all affected code blocks to track issues over different builds

[Flake8] -> created fingerprints for 9 issues (skipped 0 issues)

[Flake8] Copying affected files to Jenkins' build folder 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\builds\28\files-with-issues'

[Flake8] -> 2 copied, 0 not in workspace, 0 not-found, 0 with I/O error

[Flake8] Skipping cleaning of source code files in old builds

[Flake8] Repository miner is not configured, skipping repository mining

[Flake8] Reference build recorder is not configured

[Flake8] No valid reference build found

[Flake8] All reported issues will be considered outstanding

[Flake8] Evaluating quality gates

[Flake8] -> Some quality gates have been missed: overall result is UNSTABLE

[Flake8] -> Details for each quality gate:

[Flake8] - [Total (any severity)]: ≪Inestable≫ - (Actual value: 9, Quality gate: 8,00)

[Flake8] - [Total (any severity)]: ≪Correcto≫ - (Actual value: 9, Quality gate: 10,00)

[Flake8] Health report is disabled - skipping

[Flake8] Created analysis result for 9 issues (found 0 new issues, fixed 0 issues)

[Flake8] Attaching ResultAction with ID 'flake8' to build 'Unir/JENKINSFILE\_agentes #28'.

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // parallel

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Performance)

[Pipeline] node

Running on agent3

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] {

[Pipeline] unstash

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>SET FLASK\_APP=app\api.py

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>start /B C:\Users\amaro\AppData\Local\Programs\Python\Python313\python.exe -m flask run --host=0.0.0.0 --port=5000

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>timeout /t 10 /nobreak

ERROR: No es compatible la redirecci¢n de entradas, saliendo inmediatamente

del proceso.

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>rem Espera 10 segundos para asegurarse de que Flask estÃ© listo antes de correr las pruebas

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>C:\Users\amaro\Downloads\apache-jmeter-5.6.3\apache-jmeter-5.6.3\bin\jmeter -n -t test\jmeter\flask.jmx -f -l flask.jtl

\* Serving Flask app 'app\api.py'

\* Debug mode: off

WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

\* Running on all addresses (0.0.0.0)

\* Running on http://127.0.0.1:5000

\* Running on http://192.168.1.48:5000

Press CTRL+C to quit

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

Creating summariser <summary>

Created the tree successfully using test\jmeter\flask.jmx

Starting standalone test @ 2025 Jan 31 23:32:38 CET (1738362758090)

Waiting for possible Shutdown/StopTestNow/HeapDump/ThreadDump message on port 4445

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:38] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:32:39] "GET /calc/substract/25/19 HTTP/1.1" 200 -

summary = 160 in 00:00:01 = 163.3/s Avg: 1 Min: 1 Max: 20 Err: 0 (0.00%)

Tidying up ... @ 2025 Jan 31 23:32:39 CET (1738362759131)

... end of run

[Pipeline] script

[Pipeline] {

[Pipeline] perfReport

Creating parser with percentiles:'0,50,90,95,100,' filterRegex:null

Performance: Recording JMeterCsv reports '\*\*/flask.jtl'

Performance: JMeterCsv copying reports to master, files '[C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\flask.jtl, C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\test\jmeter\flask.jtl]'

Performance: JMeterCsv parsing local reports '[C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\builds\28\performance-reports\JMeterCSV\flask.jtl, C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\builds\28\performance-reports\JMeterCSV\flask.jtl]'

Performance: Parsing report file 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\builds\28\performance-reports\JMeterCSV\flask.jtl' with filterRegex 'null'.

Performance: Recording JMeterCsv reports '\*\*/flask.jtl'

Performance: JMeterCsv copying reports to master, files '[C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\flask.jtl, C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\test\jmeter\flask.jtl]'

Performance: JMeterCsv parsing local reports '[C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\builds\28\performance-reports\JMeterCSV\flask.jtl, C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\builds\28\performance-reports\JMeterCSV\flask.jtl]'

Performance: No threshold configured for making the test unstable

Performance: No threshold configured for making the test failure

Performance: File flask.jtl reported 0.0% of errors [SUCCESS]. Build status is: UNSTABLE

Performance: File flask.jtl reported 0.0% of errors [SUCCESS]. Build status is: UNSTABLE

Performance: File flask.jtl reported 0.0% of errors [SUCCESS]. Build status is: UNSTABLE

Performance: File flask.jtl reported 0.0% of errors [SUCCESS]. Build status is: UNSTABLE

[Pipeline] }

[Pipeline] // script

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

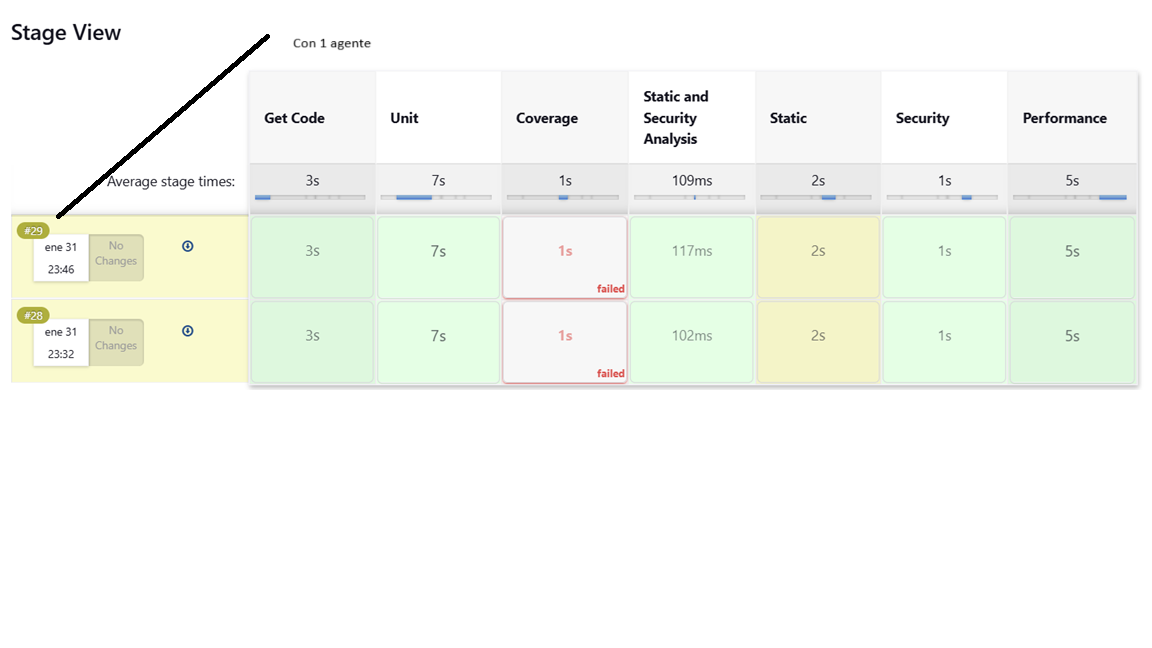
[Pipeline] // withEnv

[Pipeline] End of Pipeline

Finished: UNSTABLE

.

* Log y explicación sobre lo que ocurre cuando el número de executors se reduce a 1, teniendo 4-5-6 etapas ejecutándose simultáneamente en 2-3 agentes.



Interfaz de usuario gráfica, Texto, Aplicación, Correo electrónico

Descripción generada automáticamente

Lanzada por el usuario [Giovanna leon](http://localhost:8080/user/giovanna)

Lanzada por el usuario Giovanna leon

[Pipeline] Start of Pipeline

[Pipeline] withEnv

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Get Code)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] git

The recommended git tool is: NONE

No credentials specified

Fetching changes from the remote Git repository

Checking out Revision 793a6da7c7235bfbd785ffc6ea43f3fc5dd21a16 (refs/remotes/origin/master)

Commit message: "Add files via upload"

> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\.git # timeout=10

> git.exe config remote.origin.url https://github.com/GiovannaLeon/helloworld.git # timeout=10

Fetching upstream changes from https://github.com/GiovannaLeon/helloworld.git

> git.exe --version # timeout=10

> git --version # 'git version 2.47.1.windows.1'

> git.exe fetch --tags --force --progress -- https://github.com/GiovannaLeon/helloworld.git +refs/heads/\*:refs/remotes/origin/\* # timeout=10

> git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10

> git.exe config core.sparsecheckout # timeout=10

> git.exe checkout -f 793a6da7c7235bfbd785ffc6ea43f3fc5dd21a16 # timeout=10

> git.exe branch -a -v --no-abbrev # timeout=10

> git.exe branch -D master # timeout=10

> git.exe checkout -b master 793a6da7c7235bfbd785ffc6ea43f3fc5dd21a16 # timeout=10

> git.exe rev-list --no-walk 793a6da7c7235bfbd785ffc6ea43f3fc5dd21a16 # timeout=10

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>dir

El volumen de la unidad C es Windows

El n£mero de serie del volumen es: 6475-04AA

Directorio de C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

31/01/2025 23:32 <DIR> .

31/01/2025 22:58 <DIR> ..

29/01/2025 14:04 53.248 .coverage

20/01/2025 01:38 40 .gitignore

20/01/2025 01:38 <DIR> .pytest\_cache

20/01/2025 01:38 <DIR> app

29/01/2025 14:15 2.273 coverage.xml

29/01/2025 14:04 <DIR> CP2.1.1

31/01/2025 23:32 500 flake8.out

20/01/2025 01:38 <DIR> jenkinsFile\_1

20/01/2025 01:38 <DIR> jenkinsFile\_2

20/01/2025 01:38 <DIR> JenkinsFile\_3

20/01/2025 01:38 <DIR> jenkinsfile\_4

20/01/2025 01:38 175 pytest.ini

20/01/2025 01:38 418 README.md

29/01/2025 14:04 1.401 result-unit.xml

20/01/2025 01:38 <DIR> test

7 archivos 58.055 bytes

10 dirs 563.742.208.000 bytes libres

[Pipeline] echo

Workspace: C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] stash

Stashed 50 file(s)

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Unit)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] catchError

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>SET PYTHONPATH=C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\coverage.exe run --branch --source=app --omit=app\\_\_init\_\_.py,app\api.py -m pytest --junitxml=result-unit.xml test\unit

============================= test session starts =============================

platform win32 -- Python 3.13.0, pytest-8.3.4, pluggy-1.5.0

rootdir: C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

configfile: pytest.ini

collected 10 items

test\unit\calc\_test.py ........ [ 80%]

test\unit\util\_test.py .. [100%]

- generated xml file: C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\result-unit.xml -

============================= 10 passed in 0.11s ==============================

[Pipeline] sleep

Sleeping for 5 Seg

[Pipeline] junit

Grabando resultados de tests

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Coverage)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] {

[Pipeline] unstash

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\coverage.exe xml

Wrote XML report to coverage.xml

[Pipeline] catchError

[Pipeline] {

[Pipeline] cobertura

[Cobertura] Publishing Cobertura coverage report...

[Cobertura] Publishing Cobertura coverage results...

[Cobertura] Cobertura coverage report found.

[Cobertura] Code coverage enforcement failed for the following metrics:

[Cobertura] Condicionales's stability is 83.33 and set mininum stability is 90.0.

[Pipeline] }

ERROR: [Cobertura] Failing build due to unstability.

Setting overall build result to UNSTABLE

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Static and Security Analysis)

[Pipeline] parallel

[Pipeline] { (Branch: Static)

[Pipeline] { (Branch: Security)

[Pipeline] stage

[Pipeline] { (Static)

[Pipeline] stage

[Pipeline] { (Security)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] node

Running on agent2

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] {

[Pipeline] {

[Pipeline] unstash

[Pipeline] bat

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\bandit.exe --exit-zero -r . -f custom -o bandit.out --msg-template "{abspath}:{line}: [{test\_id}] {msg}"

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\flake8.exe --exit-zero --format=pylint --exit-zero app 1>flake8.out

[main] INFO profile include tests: None

[main] INFO profile exclude tests: None

[main] INFO cli include tests: None

[main] INFO cli exclude tests: None

[main] INFO running on Python 3.13.0

[custom] INFO Result written to file: bandit.out

[Pipeline] catchError

[Pipeline] {

[Pipeline] recordIssues

WARNING: Unknown parameter(s) found for class type 'io.jenkins.plugins.analysis.core.util.WarningsQualityGate': healthy

[Bandit] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes' that match the pattern '\*\*/bandit.out'

[Bandit] Traversing of symbolic links: enabled

[Bandit] -> found 1 file

[Bandit] Skipping file 'bandit.out' because it's empty

[Bandit] Skipping post processing

[Bandit] No filter has been set, publishing all 0 issues

[Bandit] Repository miner is not configured, skipping repository mining

[Bandit] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes' that match the pattern '\*\*/bandit.out'

[Bandit] Traversing of symbolic links: enabled

[Bandit] -> found 1 file

[Bandit] Skipping file 'bandit.out' because it's empty

[Bandit] Skipping post processing

[Bandit] No filter has been set, publishing all 0 issues

[Bandit] Repository miner is not configured, skipping repository mining

[Bandit] Reference build recorder is not configured

[Bandit] No valid reference build found

[Bandit] All reported issues will be considered outstanding

[Bandit] Evaluating quality gates

[Bandit] -> All quality gates have been passed

[Bandit] -> Details for each quality gate:

[Bandit] - [Total (any severity)]: ≪Correcto≫ - (Actual value: 0, Quality gate: 2,00)

[Bandit] - [Total (any severity)]: ≪Correcto≫ - (Actual value: 0, Quality gate: 4,00)

[Bandit] Health report is disabled - skipping

[Bandit] Created analysis result for 0 issues (found 0 new issues, fixed 0 issues)

[Bandit] Attaching ResultAction with ID 'pylint' to build 'Unir/JENKINSFILE\_agentes #29'.

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] recordIssues

WARNING: Unknown parameter(s) found for class type 'io.jenkins.plugins.analysis.core.util.WarningsQualityGate': healthy

[Flake8] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes' that match the pattern '\*\*/flake8.out'

[Flake8] Traversing of symbolic links: enabled

[Flake8] -> found 1 file

[Flake8] Successfully parsed file C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\flake8.out

[Flake8] -> found 9 issues (skipped 0 duplicates)

[Flake8] Successfully processed file 'flake8.out'

[Flake8] Post processing issues on 'agent1' with source code encoding 'windows-1252'

[Flake8] Creating SCM blamer to obtain author and commit information for affected files

[Flake8] -> No blamer installed yet. You need to install the 'git-forensics' plugin to enable blaming for Git.

[Flake8] Resolving file names for all issues in workspace 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes'

[Flake8] -> resolved paths in source directory (2 found, 0 not found)

[Flake8] Resolving module names from module definitions (build.xml, pom.xml, or Manifest.mf files)

[Flake8] -> resolved module names for 9 issues

[Flake8] Resolving package names (or namespaces) by parsing the affected files

[Flake8] -> resolved package names of 2 affected files

[Flake8] No filter has been set, publishing all 9 issues

[Flake8] Creating fingerprints for all affected code blocks to track issues over different builds

[Flake8] -> created fingerprints for 9 issues (skipped 0 issues)

[Flake8] Copying affected files to Jenkins' build folder 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\builds\29\files-with-issues'

[Flake8] -> 2 copied, 0 not in workspace, 0 not-found, 0 with I/O error

[Flake8] Skipping cleaning of source code files in old builds

[Flake8] Repository miner is not configured, skipping repository mining

[Flake8] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes' that match the pattern '\*\*/flake8.out'

[Flake8] Traversing of symbolic links: enabled

[Flake8] -> found 1 file

[Flake8] Successfully parsed file C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\flake8.out

[Flake8] -> found 9 issues (skipped 0 duplicates)

[Flake8] Successfully processed file 'flake8.out'

[Flake8] Post processing issues on 'agent1' with source code encoding 'windows-1252'

[Flake8] Creating SCM blamer to obtain author and commit information for affected files

[Flake8] -> No blamer installed yet. You need to install the 'git-forensics' plugin to enable blaming for Git.

[Flake8] Resolving file names for all issues in workspace 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes'

[Flake8] -> resolved paths in source directory (2 found, 0 not found)

[Flake8] Resolving module names from module definitions (build.xml, pom.xml, or Manifest.mf files)

[Flake8] -> resolved module names for 9 issues

[Flake8] Resolving package names (or namespaces) by parsing the affected files

[Flake8] -> resolved package names of 2 affected files

[Flake8] No filter has been set, publishing all 9 issues

[Flake8] Creating fingerprints for all affected code blocks to track issues over different builds

[Flake8] -> created fingerprints for 9 issues (skipped 0 issues)

[Flake8] Copying affected files to Jenkins' build folder 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\builds\29\files-with-issues'

[Flake8] -> 2 copied, 0 not in workspace, 0 not-found, 0 with I/O error

[Flake8] Skipping cleaning of source code files in old builds

[Flake8] Repository miner is not configured, skipping repository mining

[Flake8] Reference build recorder is not configured

[Flake8] No valid reference build found

[Flake8] All reported issues will be considered outstanding

[Flake8] Evaluating quality gates

[Flake8] -> Some quality gates have been missed: overall result is UNSTABLE

[Flake8] -> Details for each quality gate:

[Flake8] - [Total (any severity)]: ≪Inestable≫ - (Actual value: 9, Quality gate: 8,00)

[Flake8] - [Total (any severity)]: ≪Correcto≫ - (Actual value: 9, Quality gate: 10,00)

[Flake8] Health report is disabled - skipping

[Flake8] Created analysis result for 9 issues (found 0 new issues, fixed 0 issues)

[Flake8] Attaching ResultAction with ID 'flake8' to build 'Unir/JENKINSFILE\_agentes #29'.

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // parallel

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Performance)

[Pipeline] node

Running on agent3

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] {

[Pipeline] unstash

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>SET FLASK\_APP=app\api.py

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>start /B C:\Users\amaro\AppData\Local\Programs\Python\Python313\python.exe -m flask run --host=0.0.0.0 --port=5000

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>timeout /t 10 /nobreak

ERROR: No es compatible la redirecci¢n de entradas, saliendo inmediatamente

del proceso.

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>rem Espera 10 segundos para asegurarse de que Flask estÃ© listo antes de correr las pruebas

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes>C:\Users\amaro\Downloads\apache-jmeter-5.6.3\apache-jmeter-5.6.3\bin\jmeter -n -t test\jmeter\flask.jmx -f -l flask.jtl

\* Serving Flask app 'app\api.py'

\* Debug mode: off

WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

\* Running on all addresses (0.0.0.0)

\* Running on http://127.0.0.1:5000

\* Running on http://192.168.1.48:5000

Press CTRL+C to quit

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

Creating summariser <summary>

Created the tree successfully using test\jmeter\flask.jmx

Starting standalone test @ 2025 Jan 31 23:46:43 CET (1738363603356)

Waiting for possible Shutdown/StopTestNow/HeapDump/ThreadDump message on port 4445

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:43] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [31/Jan/2025 23:46:44] "GET /calc/substract/25/19 HTTP/1.1" 200 -

summary = 160 in 00:00:01 = 163.3/s Avg: 1 Min: 1 Max: 20 Err: 0 (0.00%)

Tidying up ... @ 2025 Jan 31 23:46:44 CET (1738363604396)

... end of run

[Pipeline] script

[Pipeline] {

[Pipeline] perfReport

Creating parser with percentiles:'0,50,90,95,100,' filterRegex:null

Performance: Recording JMeterCsv reports '\*\*/flask.jtl'

Performance: JMeterCsv copying reports to master, files '[C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\flask.jtl, C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\test\jmeter\flask.jtl]'

Performance: JMeterCsv parsing local reports '[C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\builds\29\performance-reports\JMeterCSV\flask.jtl, C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\builds\29\performance-reports\JMeterCSV\flask.jtl]'

Performance: Parsing report file 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\builds\29\performance-reports\JMeterCSV\flask.jtl' with filterRegex 'null'.

Performance: Recording JMeterCsv reports '\*\*/flask.jtl'

Performance: JMeterCsv copying reports to master, files '[C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\flask.jtl, C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\test\jmeter\flask.jtl]'

Performance: JMeterCsv parsing local reports '[C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\builds\29\performance-reports\JMeterCSV\flask.jtl, C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\builds\29\performance-reports\JMeterCSV\flask.jtl]'

Performance: No threshold configured for making the test unstable

Performance: No threshold configured for making the test failure

Performance: File flask.jtl reported 0.0% of errors [SUCCESS]. Build status is: UNSTABLE

Performance: File flask.jtl reported 0.0% of errors [SUCCESS]. Build status is: UNSTABLE

Performance: File flask.jtl reported 0.0% of errors [SUCCESS]. Build status is: UNSTABLE

Performance: File flask.jtl reported 0.0% of errors [SUCCESS]. Build status is: UNSTABLE

[Pipeline] }

[Pipeline] // script

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] End of Pipeline

Finished: UNSTABLE

Reducir el número de **executors** a **1** por agente disminuye la capacidad de ejecución simultánea de Jenkins. En un pipeline con múltiples etapas, especialmente cuando tienes muchas etapas que necesitan ejecutarse en paralelo en **varios agentes**, reducir los ejecutores provoca **cuellos de botella** y **tiempos de espera**, lo que aumenta el tiempo total de ejecución. Las etapas se ejecutarán de manera **secuencial en cada agente**, y las tareas tendrán que esperar a que se liberen los ejecutores disponibles, lo que afecta la eficiencia del pipeline. Esto podría ser una limitación si tu infraestructura o pipeline tiene una gran cantidad de tareas concurrentes o si las tareas son pesadas

Pero en mi caso es casi imperceptible, no hay una demora visible, entonces no podría decir con exactitud, que lo que se pone por teoría y lógica arriba indicado, se cumple en mi pipeline.

* Explicación de la separación realizada y fundamentación de la misma.

**1. Separación de Agentes**

Cada etapa del pipeline se ejecuta en un agente específico, indicado por el atributo agent { label '...' }. Esta separación se hace por varias razones:

**a) Optimización de recursos:**

* Agentes dedicados: Al asignar agentes específicos (como agent1, agent2, agent3), cada etapa puede ejecutarse en máquinas que están configuradas o especializadas para esas tareas. Esto asegura que no se sobrecargue un solo nodo con múltiples tareas que pueden requerir distintos entornos o configuraciones.

**b) Diversificación de entornos:**

* Entornos especializados: El uso de diferentes agentes también permite tener diferentes entornos para ejecutar tareas. En este caso, agent1 podría estar configurado con Python y herramientas de análisis, agent2 podría tener configuraciones específicas para análisis de seguridad (como Bandit), y agent3 podría estar optimizado para ejecutar pruebas de rendimiento con JMeter.
* Esto es útil para evitar conflictos entre dependencias o configuraciones específicas de cada etapa.

**c) Escalabilidad:**

* Al utilizar múltiples agentes, el pipeline puede escalar horizontalmente. Es decir, puedes agregar más agentes en diferentes máquinas o configuraciones para ejecutar etapas en paralelo o más rápido, sin que una etapa se vea limitada por la carga de otra.

**2. Pipeline Paralelo (Parallel)**

En este pipeline, dentro de la etapa 'Static and Security Analysis', se utiliza la palabra clave parallel para ejecutar dos subetapas simultáneamente:

* Static Analysis (con flake8)
* Security Analysis (con bandit)

**a) Eficiencia y tiempo de ejecución:**

* Al ejecutar estas etapas en paralelo, se ahorra tiempo. Si se ejecutaran de manera secuencial, tendrías que esperar que una terminara antes de que comenzara la siguiente. Pero, al ejecutarlas al mismo tiempo, ambas tareas se completan más rápido, aprovechando al máximo los recursos disponibles y reduciendo el tiempo de ejecución total del pipeline.

**b) Independencia entre etapas:**

* Las dos subetapas no dependen entre sí, lo que significa que pueden ejecutarse en paralelo sin interferir. El análisis estático de código (con flake8) y el análisis de seguridad (con bandit) son tareas independientes que no necesitan interactuar entre sí, por lo tanto, ejecutarlas en paralelo es completamente viable y no comprometería los resultados.
* Esto también hace que el pipeline sea más flexible, ya que si una de las etapas falla, la otra puede continuar sin problemas.

**c) Uso de múltiples agentes:**

* Es importante notar que, dentro de las etapas paralelas, se asignan diferentes agentes (agent { label 'agent1' } para el análisis estático y agent { label 'agent2' } para el análisis de seguridad). Esto permite que ambos análisis se ejecuten en máquinas diferentes, lo que puede ser necesario si las configuraciones de herramientas son distintas, o si se quiere separar aún más los recursos para optimizar el rendimiento.

**Conclusión Final:**

Esta distribución de tareas en Jenkins, utilizando **agentes separados**, no solo mejora la **seguridad** al aislar tareas críticas y sensibles, sino que también optimiza la **eficiencia** y **escalabilidad** del pipeline.

Reto 3 – Mejora de la cobertura

En este reto se solicitan 3 entregables:

* URL al repositorio creado por el alumno, a partir del código fuente base de este CP1, que albergue tanto el código fuente como el nuevo Jenkinsfile.

https://github.com/GiovannaLeon/helloworld.git

El repositorio será el mismo, por lo que no es necesario indicar ninguna otra URL.

Hay que tener en cuenta que ahora tendremos una nueva rama en el repositorio “feature\_fix\_coverage”.

**https://github.com/GiovannaLeon/helloworld/blob/master/CP2.1.1/JENKINSFILE\_agentes\_master.txt**

Interfaz de usuario gráfica, Texto, Aplicación, Correo electrónico

Descripción generada automáticamente

Interfaz de usuario gráfica, Texto, Aplicación, Correo electrónico

Descripción generada automáticamente

* Log de ejecución del pipeline, sobre rama master, donde se muestren también los datos de cobertura de código por líneas y ramas (que no será cobertura completa).

Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamente

Lanzada por el usuario Giovanna leon

[Pipeline] Start of Pipeline

[Pipeline] withEnv

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Get Code)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

[Pipeline] git

The recommended git tool is: NONE

No credentials specified

Fetching changes from the remote Git repository

> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master\.git # timeout=10

> git.exe config remote.origin.url https://github.com/GiovannaLeon/helloworld.git # timeout=10

Fetching upstream changes from https://github.com/GiovannaLeon/helloworld.git

> git.exe --version # timeout=10

> git --version # 'git version 2.47.1.windows.1'

> git.exe fetch --tags --force --progress -- https://github.com/GiovannaLeon/helloworld.git +refs/heads/\*:refs/remotes/origin/\* # timeout=10

Checking out Revision 793a6da7c7235bfbd785ffc6ea43f3fc5dd21a16 (refs/remotes/origin/master)

Commit message: "Add files via upload"

> git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10

> git.exe config core.sparsecheckout # timeout=10

> git.exe checkout -f 793a6da7c7235bfbd785ffc6ea43f3fc5dd21a16 # timeout=10

> git.exe branch -a -v --no-abbrev # timeout=10

> git.exe branch -D master # timeout=10

> git.exe checkout -b master 793a6da7c7235bfbd785ffc6ea43f3fc5dd21a16 # timeout=10

> git.exe rev-list --no-walk 68937f3074832c2836450d95064bb33a92eba723 # timeout=10

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>dir

El volumen de la unidad C es Windows

El n£mero de serie del volumen es: 6475-04AA

Directorio de C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

27/01/2025 14:23 <DIR> .

31/01/2025 22:58 <DIR> ..

27/01/2025 14:23 53.248 .coverage

23/01/2025 16:51 40 .gitignore

23/01/2025 16:51 <DIR> .pytest\_cache

23/01/2025 16:51 <DIR> app

27/01/2025 14:24 2.280 coverage.xml

01/02/2025 00:14 <DIR> CP2.1.1

27/01/2025 14:24 500 flake8.out

23/01/2025 16:51 <DIR> jenkinsFile\_1

23/01/2025 16:51 <DIR> jenkinsFile\_2

23/01/2025 16:51 <DIR> JenkinsFile\_3

23/01/2025 16:51 <DIR> jenkinsfile\_4

23/01/2025 16:51 175 pytest.ini

23/01/2025 16:51 418 README.md

27/01/2025 14:23 1.401 result-unit.xml

23/01/2025 16:51 <DIR> test

7 archivos 58.062 bytes

10 dirs 563.737.640.960 bytes libres

[Pipeline] echo

Workspace: C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

[Pipeline] stash

Stashed 50 file(s)

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Unit)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

[Pipeline] catchError

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>SET PYTHONPATH=C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\coverage.exe run --branch --source=app --omit=app\\_\_init\_\_.py,app\api.py -m pytest --junitxml=result-unit.xml test\unit

============================= test session starts =============================

platform win32 -- Python 3.13.0, pytest-8.3.4, pluggy-1.5.0

rootdir: C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

configfile: pytest.ini

collected 10 items

test\unit\calc\_test.py ........ [ 80%]

test\unit\util\_test.py .. [100%]

- generated xml file: C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master\result-unit.xml -

============================= 10 passed in 0.09s ==============================

[Pipeline] sleep

Sleeping for 5 Seg

[Pipeline] junit

Grabando resultados de tests

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Coverage)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

[Pipeline] {

[Pipeline] unstash

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\coverage.exe xml

Wrote XML report to coverage.xml

[Pipeline] catchError

[Pipeline] {

[Pipeline] cobertura

[Cobertura] Publishing Cobertura coverage report...

[Cobertura] Publishing Cobertura coverage results...

[Cobertura] Cobertura coverage report found.

[Cobertura] Code coverage enforcement failed for the following metrics:

[Cobertura] Condicionales's stability is 83.33 and set mininum stability is 90.0.

[Pipeline] }

ERROR: [Cobertura] Failing build due to unstability.

Setting overall build result to UNSTABLE

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Static and Security Analysis)

[Pipeline] parallel

[Pipeline] { (Branch: Static)

[Pipeline] { (Branch: Security)

[Pipeline] stage

[Pipeline] { (Static)

[Pipeline] stage

[Pipeline] { (Security)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

[Pipeline] node

Running on agent2

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_master

[Pipeline] {

[Pipeline] {

[Pipeline] unstash

[Pipeline] bat

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_master>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_master>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_master>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_master

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_master

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_master>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\bandit.exe --exit-zero -r . -f custom -o bandit.out --msg-template "{abspath}:{line}: [{test\_id}] {msg}"

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\flake8.exe --exit-zero --format=pylint --exit-zero app 1>flake8.out

[main] INFO profile include tests: None

[main] INFO profile exclude tests: None

[main] INFO cli include tests: None

[main] INFO cli exclude tests: None

[main] INFO running on Python 3.13.0

[custom] INFO Result written to file: bandit.out

[Pipeline] catchError

[Pipeline] {

[Pipeline] recordIssues

WARNING: Unknown parameter(s) found for class type 'io.jenkins.plugins.analysis.core.util.WarningsQualityGate': healthy

[Bandit] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_master' that match the pattern '\*\*/bandit.out'

[Bandit] Traversing of symbolic links: enabled

[Bandit] -> found 1 file

[Bandit] Skipping file 'bandit.out' because it's empty

[Bandit] Skipping post processing

[Bandit] No filter has been set, publishing all 0 issues

[Bandit] Repository miner is not configured, skipping repository mining

[Bandit] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_master' that match the pattern '\*\*/bandit.out'

[Bandit] Traversing of symbolic links: enabled

[Bandit] -> found 1 file

[Bandit] Skipping file 'bandit.out' because it's empty

[Bandit] Skipping post processing

[Bandit] No filter has been set, publishing all 0 issues

[Bandit] Repository miner is not configured, skipping repository mining

[Bandit] Reference build recorder is not configured

[Bandit] No valid reference build found

[Bandit] All reported issues will be considered outstanding

[Bandit] Evaluating quality gates

[Bandit] -> All quality gates have been passed

[Bandit] -> Details for each quality gate:

[Bandit] - [Total (any severity)]: ≪Correcto≫ - (Actual value: 0, Quality gate: 2,00)

[Bandit] - [Total (any severity)]: ≪Correcto≫ - (Actual value: 0, Quality gate: 4,00)

[Bandit] Health report is disabled - skipping

[Bandit] Created analysis result for 0 issues (found 0 new issues, fixed 0 issues)

[Bandit] Attaching ResultAction with ID 'pylint' to build 'Unir/JENKINSFILE\_agentes\_master #11'.

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] recordIssues

WARNING: Unknown parameter(s) found for class type 'io.jenkins.plugins.analysis.core.util.WarningsQualityGate': healthy

[Flake8] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master' that match the pattern '\*\*/flake8.out'

[Flake8] Traversing of symbolic links: enabled

[Flake8] -> found 1 file

[Flake8] Successfully parsed file C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master\flake8.out

[Flake8] -> found 9 issues (skipped 0 duplicates)

[Flake8] Successfully processed file 'flake8.out'

[Flake8] Post processing issues on 'agent1' with source code encoding 'windows-1252'

[Flake8] Creating SCM blamer to obtain author and commit information for affected files

[Flake8] -> No blamer installed yet. You need to install the 'git-forensics' plugin to enable blaming for Git.

[Flake8] Resolving file names for all issues in workspace 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master'

[Flake8] -> resolved paths in source directory (2 found, 0 not found)

[Flake8] Resolving module names from module definitions (build.xml, pom.xml, or Manifest.mf files)

[Flake8] -> resolved module names for 9 issues

[Flake8] Resolving package names (or namespaces) by parsing the affected files

[Flake8] -> resolved package names of 2 affected files

[Flake8] No filter has been set, publishing all 9 issues

[Flake8] Creating fingerprints for all affected code blocks to track issues over different builds

[Flake8] -> created fingerprints for 9 issues (skipped 0 issues)

[Flake8] Copying affected files to Jenkins' build folder 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\_master\builds\11\files-with-issues'

[Flake8] -> 2 copied, 0 not in workspace, 0 not-found, 0 with I/O error

[Flake8] Skipping cleaning of source code files in old builds

[Flake8] Repository miner is not configured, skipping repository mining

[Flake8] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master' that match the pattern '\*\*/flake8.out'

[Flake8] Traversing of symbolic links: enabled

[Flake8] -> found 1 file

[Flake8] Successfully parsed file C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master\flake8.out

[Flake8] -> found 9 issues (skipped 0 duplicates)

[Flake8] Successfully processed file 'flake8.out'

[Flake8] Post processing issues on 'agent1' with source code encoding 'windows-1252'

[Flake8] Creating SCM blamer to obtain author and commit information for affected files

[Flake8] -> No blamer installed yet. You need to install the 'git-forensics' plugin to enable blaming for Git.

[Flake8] Resolving file names for all issues in workspace 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_master'

[Flake8] -> resolved paths in source directory (2 found, 0 not found)

[Flake8] Resolving module names from module definitions (build.xml, pom.xml, or Manifest.mf files)

[Flake8] -> resolved module names for 9 issues

[Flake8] Resolving package names (or namespaces) by parsing the affected files

[Flake8] -> resolved package names of 2 affected files

[Flake8] No filter has been set, publishing all 9 issues

[Flake8] Creating fingerprints for all affected code blocks to track issues over different builds

[Flake8] -> created fingerprints for 9 issues (skipped 0 issues)

[Flake8] Copying affected files to Jenkins' build folder 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\_master\builds\11\files-with-issues'

[Flake8] -> 2 copied, 0 not in workspace, 0 not-found, 0 with I/O error

[Flake8] Skipping cleaning of source code files in old builds

[Flake8] Repository miner is not configured, skipping repository mining

[Flake8] Reference build recorder is not configured

[Flake8] No valid reference build found

[Flake8] All reported issues will be considered outstanding

[Flake8] Evaluating quality gates

[Flake8] -> Some quality gates have been missed: overall result is UNSTABLE

[Flake8] -> Details for each quality gate:

[Flake8] - [Total (any severity)]: ≪Inestable≫ - (Actual value: 9, Quality gate: 8,00)

[Flake8] - [Total (any severity)]: ≪Correcto≫ - (Actual value: 9, Quality gate: 10,00)

[Flake8] Health report is disabled - skipping

[Flake8] Created analysis result for 9 issues (found 0 new issues, fixed 0 issues)

[Flake8] Attaching ResultAction with ID 'flake8' to build 'Unir/JENKINSFILE\_agentes\_master #11'.

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // parallel

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Performance)

[Pipeline] node

Running on agent3

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_master

[Pipeline] {

[Pipeline] unstash

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_master>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_master>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_master>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_master

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_master

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_master>SET FLASK\_APP=app\api.py

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_master>start /B C:\Users\amaro\AppData\Local\Programs\Python\Python313\python.exe -m flask run --host=0.0.0.0 --port=5000

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_master>timeout /t 10 /nobreak

ERROR: No es compatible la redirecci¢n de entradas, saliendo inmediatamente

del proceso.

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_master>rem Espera 10 segundos para asegurarse de que Flask estÃ© listo antes de correr las pruebas

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_master>C:\Users\amaro\Downloads\apache-jmeter-5.6.3\apache-jmeter-5.6.3\bin\jmeter -n -t test\jmeter\flask.jmx -f -l flask.jtl

\* Serving Flask app 'app\api.py'

\* Debug mode: off

WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

\* Running on all addresses (0.0.0.0)

\* Running on http://127.0.0.1:5000

\* Running on http://192.168.1.48:5000

Press CTRL+C to quit

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

Creating summariser <summary>

Created the tree successfully using test\jmeter\flask.jmx

Starting standalone test @ 2025 Feb 1 00:15:06 CET (1738365306090)

Waiting for possible Shutdown/StopTestNow/HeapDump/ThreadDump message on port 4445

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:06] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/substract/25/19 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/add/4/9 HTTP/1.1" 200 -

127.0.0.1 - - [01/Feb/2025 00:15:07] "GET /calc/substract/25/19 HTTP/1.1" 200 -

summary = 160 in 00:00:01 = 163.8/s Avg: 1 Min: 1 Max: 22 Err: 0 (0.00%)

Tidying up ... @ 2025 Feb 1 00:15:07 CET (1738365307128)

... end of run

[Pipeline] script

[Pipeline] {

[Pipeline] perfReport

Creating parser with percentiles:'0,50,90,95,100,' filterRegex:null

Performance: Recording JMeterCsv reports '\*\*/flask.jtl'

Performance: JMeterCsv copying reports to master, files '[C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_master\flask.jtl]'

Performance: JMeterCsv parsing local reports '[C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\_master\builds\11\performance-reports\JMeterCSV\flask.jtl]'

Performance: Parsing report file 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\_master\builds\11\performance-reports\JMeterCSV\flask.jtl' with filterRegex 'null'.

Performance: No threshold configured for making the test unstable

Performance: No threshold configured for making the test failure

Performance: File flask.jtl reported 0.0% of errors [SUCCESS]. Build status is: UNSTABLE

[Pipeline] }

[Pipeline] // script

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] End of Pipeline

Finished: UNSTABLE

* Log de ejecución del pipeline, sobre la nueva rama “feature\_fix\_coverage”, donde se muestren también los datos de cobertura de código por líneas y ramas, ahora ya con un 100% de cobertura.

**NO HE ALCANZADO EL RETO, HE TRATADO DE MODIFICAR EL CACL Y EL UTIL Y NO ME FUNCIONA, MAS BIEN DE 80 HA BAJADO A 72% EL CALC. AGREGUE EXECPCIONES EN DIVISION DE 0, Y AL FINAL NO ME FUNCION**

**https://github.com/GiovannaLeon/helloworld/blob/master/CP2.1.1/JENKINSFILE\_agentes\_feature\_fix\_coverage.txt**

Lanzada por el usuario Giovanna leon

[Pipeline] Start of Pipeline

[Pipeline] withEnv

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Get Code)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

[Pipeline] git

The recommended git tool is: NONE

No credentials specified

Fetching changes from the remote Git repository

Checking out Revision 8746259d10bbd15d543bfb1b7340890810e7f6aa (refs/remotes/origin/feature\_fix\_coverage)

> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage\.git # timeout=10

> git.exe config remote.origin.url https://github.com/GiovannaLeon/helloworld.git # timeout=10

Fetching upstream changes from https://github.com/GiovannaLeon/helloworld.git

> git.exe --version # timeout=10

> git --version # 'git version 2.47.1.windows.1'

> git.exe fetch --tags --force --progress -- https://github.com/GiovannaLeon/helloworld.git +refs/heads/\*:refs/remotes/origin/\* # timeout=10

> git.exe rev-parse "refs/remotes/origin/feature\_fix\_coverage^{commit}" # timeout=10

> git.exe config core.sparsecheckout # timeout=10

Commit message: "Update calc\_test.py"

> git.exe checkout -f 8746259d10bbd15d543bfb1b7340890810e7f6aa # timeout=10

> git.exe branch -a -v --no-abbrev # timeout=10

> git.exe branch -D feature\_fix\_coverage # timeout=10

> git.exe checkout -b feature\_fix\_coverage 8746259d10bbd15d543bfb1b7340890810e7f6aa # timeout=10

> git.exe rev-list --no-walk e77791672d9b7bb8b7ffb9c32f22896469b836c6 # timeout=10

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>dir

El volumen de la unidad C es Windows

El n£mero de serie del volumen es: 6475-04AA

Directorio de C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

27/01/2025 15:19 <DIR> .

27/01/2025 15:05 <DIR> ..

27/01/2025 15:19 53.248 .coverage

20/01/2025 23:58 40 .gitignore

20/01/2025 23:58 <DIR> .pytest\_cache

20/01/2025 23:58 <DIR> app

27/01/2025 15:19 2.330 coverage.xml

27/01/2025 15:19 500 flake8.out

20/01/2025 23:58 <DIR> jenkinsFile\_1

20/01/2025 23:58 <DIR> jenkinsFile\_2

20/01/2025 23:58 <DIR> JenkinsFile\_3

20/01/2025 23:58 <DIR> jenkinsfile\_4

20/01/2025 23:58 175 pytest.ini

20/01/2025 23:58 418 README.md

27/01/2025 15:19 1.816 result-unit.xml

20/01/2025 23:58 <DIR> test

7 archivos 58.527 bytes

9 dirs 565.921.247.232 bytes libres

[Pipeline] echo

Workspace: C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Unit)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

[Pipeline] catchError

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>SET PYTHONPATH=C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\coverage.exe run --branch --source=app --omit=app\\_\_init\_\_.py,app\api.py -m pytest --junitxml=result-unit.xml test\unit

============================= test session starts =============================

platform win32 -- Python 3.13.0, pytest-8.3.4, pluggy-1.5.0

rootdir: C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

configfile: pytest.ini

collected 11 items

test\unit\calc\_test.py ........ [ 72%]

test\unit\util\_test.py ... [100%]

- generated xml file: C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage\result-unit.xml -

============================= 11 passed in 0.14s ==============================

[Pipeline] sleep

Sleeping for 5 Seg

[Pipeline] junit

Grabando resultados de tests

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Static and Security Analysis)

[Pipeline] parallel

[Pipeline] { (Branch: Static)

[Pipeline] { (Branch: Security)

[Pipeline] stage

[Pipeline] { (Static)

[Pipeline] stage

[Pipeline] { (Security)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

[Pipeline] node

Running on agent2

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

[Pipeline] {

[Pipeline] {

[Pipeline] bat

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\flake8.exe --exit-zero --format=pylint --exit-zero app 1>flake8.out

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\bandit.exe --exit-zero -r . -f custom -o bandit.out --msg-template "{abspath}:{line}: [{test\_id}] {msg}"

[main] INFO profile include tests: None

[main] INFO profile exclude tests: None

[main] INFO cli include tests: None

[main] INFO cli exclude tests: None

[main] INFO running on Python 3.13.0

[custom] INFO Result written to file: bandit.out

[Pipeline] catchError

[Pipeline] {

[Pipeline] recordIssues

WARNING: Unknown parameter(s) found for class type 'io.jenkins.plugins.analysis.core.util.WarningsQualityGate': healthy

[Bandit] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage' that match the pattern '\*\*/bandit.out'

[Bandit] Traversing of symbolic links: enabled

[Bandit] -> found 1 file

[Bandit] Skipping file 'bandit.out' because it's empty

[Bandit] Skipping post processing

[Bandit] No filter has been set, publishing all 0 issues

[Bandit] Repository miner is not configured, skipping repository mining

[Bandit] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent2\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage' that match the pattern '\*\*/bandit.out'

[Bandit] Traversing of symbolic links: enabled

[Bandit] -> found 1 file

[Bandit] Skipping file 'bandit.out' because it's empty

[Bandit] Skipping post processing

[Bandit] No filter has been set, publishing all 0 issues

[Bandit] Repository miner is not configured, skipping repository mining

[Bandit] Reference build recorder is not configured

[Bandit] No valid reference build found

[Bandit] All reported issues will be considered outstanding

[Bandit] Evaluating quality gates

[Bandit] -> All quality gates have been passed

[Bandit] -> Details for each quality gate:

[Bandit] - [Total (any severity)]: ≪Correcto≫ - (Actual value: 0, Quality gate: 2,00)

[Bandit] - [Total (any severity)]: ≪Correcto≫ - (Actual value: 0, Quality gate: 4,00)

[Bandit] Health report is disabled - skipping

[Bandit] Created analysis result for 0 issues (found 0 new issues, fixed 0 issues)

[Bandit] Attaching ResultAction with ID 'pylint' to build 'Unir/JENKINSFILE\_agentes\_feature\_fix\_coverage #31'.

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] recordIssues

WARNING: Unknown parameter(s) found for class type 'io.jenkins.plugins.analysis.core.util.WarningsQualityGate': healthy

[Flake8] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage' that match the pattern '\*\*/flake8.out'

[Flake8] Traversing of symbolic links: enabled

[Flake8] -> found 1 file

[Flake8] Successfully parsed file C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage\flake8.out

[Flake8] -> found 9 issues (skipped 0 duplicates)

[Flake8] Successfully processed file 'flake8.out'

[Flake8] Post processing issues on 'agent1' with source code encoding 'windows-1252'

[Flake8] Creating SCM blamer to obtain author and commit information for affected files

[Flake8] -> No blamer installed yet. You need to install the 'git-forensics' plugin to enable blaming for Git.

[Flake8] Resolving file names for all issues in workspace 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage'

[Flake8] -> resolved paths in source directory (2 found, 0 not found)

[Flake8] Resolving module names from module definitions (build.xml, pom.xml, or Manifest.mf files)

[Flake8] -> resolved module names for 9 issues

[Flake8] Resolving package names (or namespaces) by parsing the affected files

[Flake8] -> resolved package names of 2 affected files

[Flake8] No filter has been set, publishing all 9 issues

[Flake8] Creating fingerprints for all affected code blocks to track issues over different builds

[Flake8] -> created fingerprints for 9 issues (skipped 0 issues)

[Flake8] Copying affected files to Jenkins' build folder 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\_feature\_fix\_coverage\builds\31\files-with-issues'

[Flake8] -> 2 copied, 0 not in workspace, 0 not-found, 0 with I/O error

[Flake8] Skipping cleaning of source code files in old builds

[Flake8] Repository miner is not configured, skipping repository mining

[Flake8] Searching for all files in 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage' that match the pattern '\*\*/flake8.out'

[Flake8] Traversing of symbolic links: enabled

[Flake8] -> found 1 file

[Flake8] Successfully parsed file C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage\flake8.out

[Flake8] -> found 9 issues (skipped 0 duplicates)

[Flake8] Successfully processed file 'flake8.out'

[Flake8] Post processing issues on 'agent1' with source code encoding 'windows-1252'

[Flake8] Creating SCM blamer to obtain author and commit information for affected files

[Flake8] -> No blamer installed yet. You need to install the 'git-forensics' plugin to enable blaming for Git.

[Flake8] Resolving file names for all issues in workspace 'C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage'

[Flake8] -> resolved paths in source directory (2 found, 0 not found)

[Flake8] Resolving module names from module definitions (build.xml, pom.xml, or Manifest.mf files)

[Flake8] -> resolved module names for 9 issues

[Flake8] Resolving package names (or namespaces) by parsing the affected files

[Flake8] -> resolved package names of 2 affected files

[Flake8] No filter has been set, publishing all 9 issues

[Flake8] Creating fingerprints for all affected code blocks to track issues over different builds

[Flake8] -> created fingerprints for 9 issues (skipped 0 issues)

[Flake8] Copying affected files to Jenkins' build folder 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\_feature\_fix\_coverage\builds\31\files-with-issues'

[Flake8] -> 2 copied, 0 not in workspace, 0 not-found, 0 with I/O error

[Flake8] Skipping cleaning of source code files in old builds

[Flake8] Repository miner is not configured, skipping repository mining

[Flake8] Reference build recorder is not configured

[Flake8] No valid reference build found

[Flake8] All reported issues will be considered outstanding

[Flake8] Evaluating quality gates

[Flake8] -> Some quality gates have been missed: overall result is UNSTABLE

[Flake8] -> Details for each quality gate:

[Flake8] - [Total (any severity)]: ≪Inestable≫ - (Actual value: 9, Quality gate: 8,00)

[Flake8] - [Total (any severity)]: ≪Correcto≫ - (Actual value: 9, Quality gate: 10,00)

[Flake8] Health report is disabled - skipping

[Flake8] Created analysis result for 9 issues (found 0 new issues, fixed 0 issues)

[Flake8] Attaching ResultAction with ID 'flake8' to build 'Unir/JENKINSFILE\_agentes\_feature\_fix\_coverage #31'.

[Checks API] No suitable checks publisher found.

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // parallel

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Coverage)

[Pipeline] node

Running on agent1

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent1\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>C:\Users\amaro\AppData\Local\Programs\Python\Python313\Scripts\coverage.exe xml

Wrote XML report to coverage.xml

[Pipeline] catchError

[Pipeline] {

[Pipeline] cobertura

[Cobertura] Skipping Cobertura coverage report as build was not SUCCESS or better ...

[Pipeline] }

[Pipeline] // catchError

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Performance)

[Pipeline] node

Running on agent3

in C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

[Pipeline] {

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>whoami

amaro\amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>hostname

Amaro

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>echo C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage

[Pipeline] bat

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>SET FLASK\_APP=app\api.py

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>start /B C:\Users\amaro\AppData\Local\Programs\Python\Python313\python.exe -m flask run --host=0.0.0.0 --port=5000

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>timeout /t 10 /nobreak

ERROR: No es compatible la redirecci¢n de entradas, saliendo inmediatamente

del proceso.

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>rem Espera 10 segundos para asegurarse de que Flask estÃ© listo antes de correr las pruebas

C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage>C:\Users\amaro\Downloads\apache-jmeter-5.6.3\apache-jmeter-5.6.3\bin\jmeter -n -t test\jmeter\flask.jmx -f -l flask.jtl

Usage: python -m flask run [OPTIONS]

Try 'python -m flask run --help' for help.

Error: Could not import 'api'.

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

WARN StatusConsoleListener The use of package scanning to locate plugins is deprecated and will be removed in a future release

Creating summariser <summary>

Created the tree successfully using test\jmeter\flask.jmx

Starting standalone test @ 2025 Jan 27 15:22:02 CET (1737987722266)

Waiting for possible Shutdown/StopTestNow/HeapDump/ThreadDump message on port 4445

summary + 1 in 00:00:00 = 8.9/s Avg: 12 Min: 12 Max: 12 Err: 1 (100.00%) Active: 1 Started: 1 Finished: 0

summary + 199 in 00:00:01 = 262.9/s Avg: 0 Min: 0 Max: 3 Err: 199 (100.00%) Active: 0 Started: 5 Finished: 5

summary = 200 in 00:00:01 = 229.9/s Avg: 0 Min: 0 Max: 12 Err: 200 (100.00%)

Tidying up ... @ 2025 Jan 27 15:22:03 CET (1737987723220)

... end of run

[Pipeline] script

[Pipeline] {

[Pipeline] perfReport

Creating parser with percentiles:'0,50,90,95,100,' filterRegex:null

Performance: Recording JMeterCsv reports '\*\*/flask.jtl'

Performance: JMeterCsv copying reports to master, files '[C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage\flask.jtl, C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage\test\jmeter\flask.jtl]'

Performance: JMeterCsv parsing local reports '[C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\_feature\_fix\_coverage\builds\31\performance-reports\JMeterCSV\flask.jtl, C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\_feature\_fix\_coverage\builds\31\performance-reports\JMeterCSV\flask.jtl]'

Performance: Parsing report file 'C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\_feature\_fix\_coverage\builds\31\performance-reports\JMeterCSV\flask.jtl' with filterRegex 'null'.

Performance: Recording JMeterCsv reports '\*\*/flask.jtl'

Performance: JMeterCsv copying reports to master, files '[C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage\flask.jtl, C:\ProgramData\Jenkins\.jenkins\workspace\agents\agent3\workspace\Unir\JENKINSFILE\_agentes\_feature\_fix\_coverage\test\jmeter\flask.jtl]'

Performance: JMeterCsv parsing local reports '[C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\_feature\_fix\_coverage\builds\31\performance-reports\JMeterCSV\flask.jtl, C:\ProgramData\Jenkins\.jenkins\jobs\Unir\jobs\JENKINSFILE\_agentes\_feature\_fix\_coverage\builds\31\performance-reports\JMeterCSV\flask.jtl]'

Performance: No threshold configured for making the test unstable

Performance: No threshold configured for making the test failure

Performance: File flask.jtl reported 0.0% of errors [SUCCESS]. Build status is: UNSTABLE

Performance: File flask.jtl reported 0.0% of errors [SUCCESS]. Build status is: UNSTABLE

Performance: File flask.jtl reported 0.0% of errors [SUCCESS]. Build status is: UNSTABLE

Performance: File flask.jtl reported 0.0% of errors [SUCCESS]. Build status is: UNSTABLE

[Pipeline] }

[Pipeline] // script

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] End of Pipeline

Finished: UNSTABLE

* Explicación de cómo se ha hecho la mejora y por qué antes no se alcanzaba el 100% de cobertura.

**1. Pruebas de la clase TestCalculate (Cálculos):**

En los métodos de esta clase se realizan operaciones como la suma, la resta, la multiplicación, la división y la potenciación. Necesitamos asegurarnos de que todos los casos de excepciones y resultados posibles sean cubiertos.

* **Añadir más pruebas** para cubrir los casos en que el divisor es 0 en la división.
* **Agregar excepciones y otros valores no numéricos** en cada operación.

**2. Pruebas de la clase TestUtil (Utilidades):**

Para la función convert\_to\_number, además de los casos de valores válidos y errores con cadenas, también debemos cubrir valores adicionales que puedan ser convertidos a números, como los booleanos y los números en notación científica.

***Agregue esto en calc.***

***def test\_divide\_method\_raices\_error\_for\_zero\_division(self): self.assertRaises(TypeError, self.calc.divide, 2, 0)***

***He tenido problemas a la vez que he agregado para la rama*** [***feature\_fix\_coverage***](https://github.com/GiovannaLeon/helloworld/tree/feature_fix_coverage)***, calc\_ y util\_, no he alcanzado el 100% en calc, pero si en útil\_rest. En el Calc un 85%.***