Propuesta de solución

Caso Práctico 1 – Apartado A

| Asignatura | Datos del alumno | Fecha |
| --- | --- | --- |
| Experto Universitario en DevOps & Cloud | Apellidos: Aragamenteria Arce | 20240503 |
| Nombre: Daniel |

URL de repositorio solución de GitHub: https://github.com/dargamenteria/actividad1-A

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.

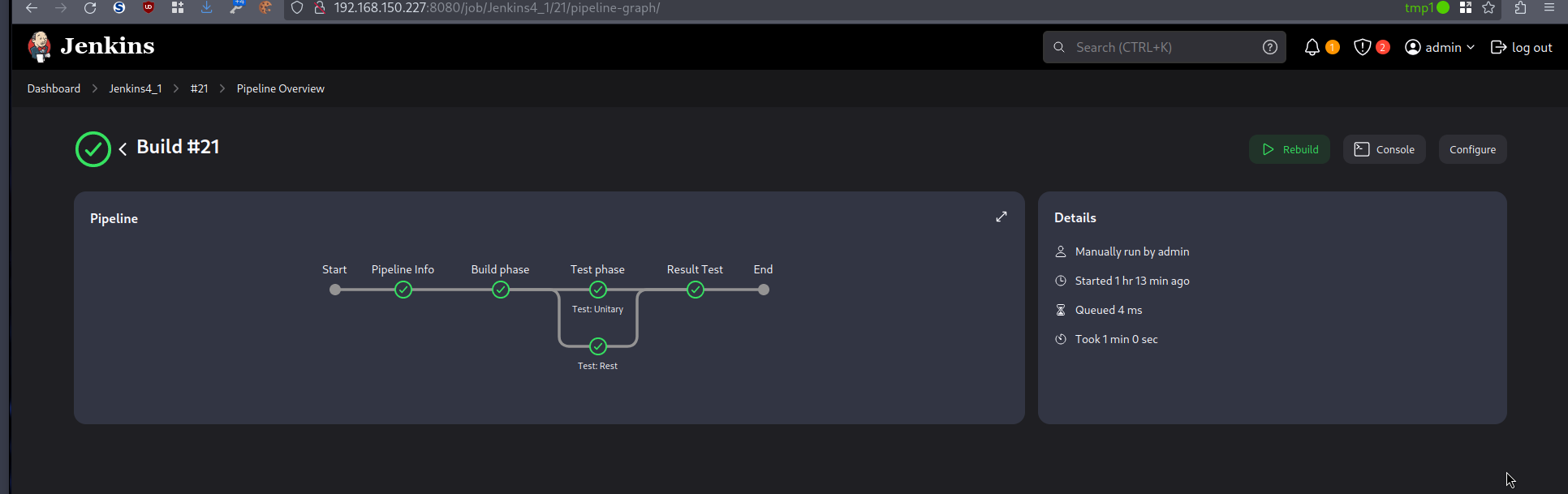
El primer entregable ya se debe haber indicado en la página anterior, por lo que no es necesario añadir nada más.

* Log de la ejecución del pipeline.

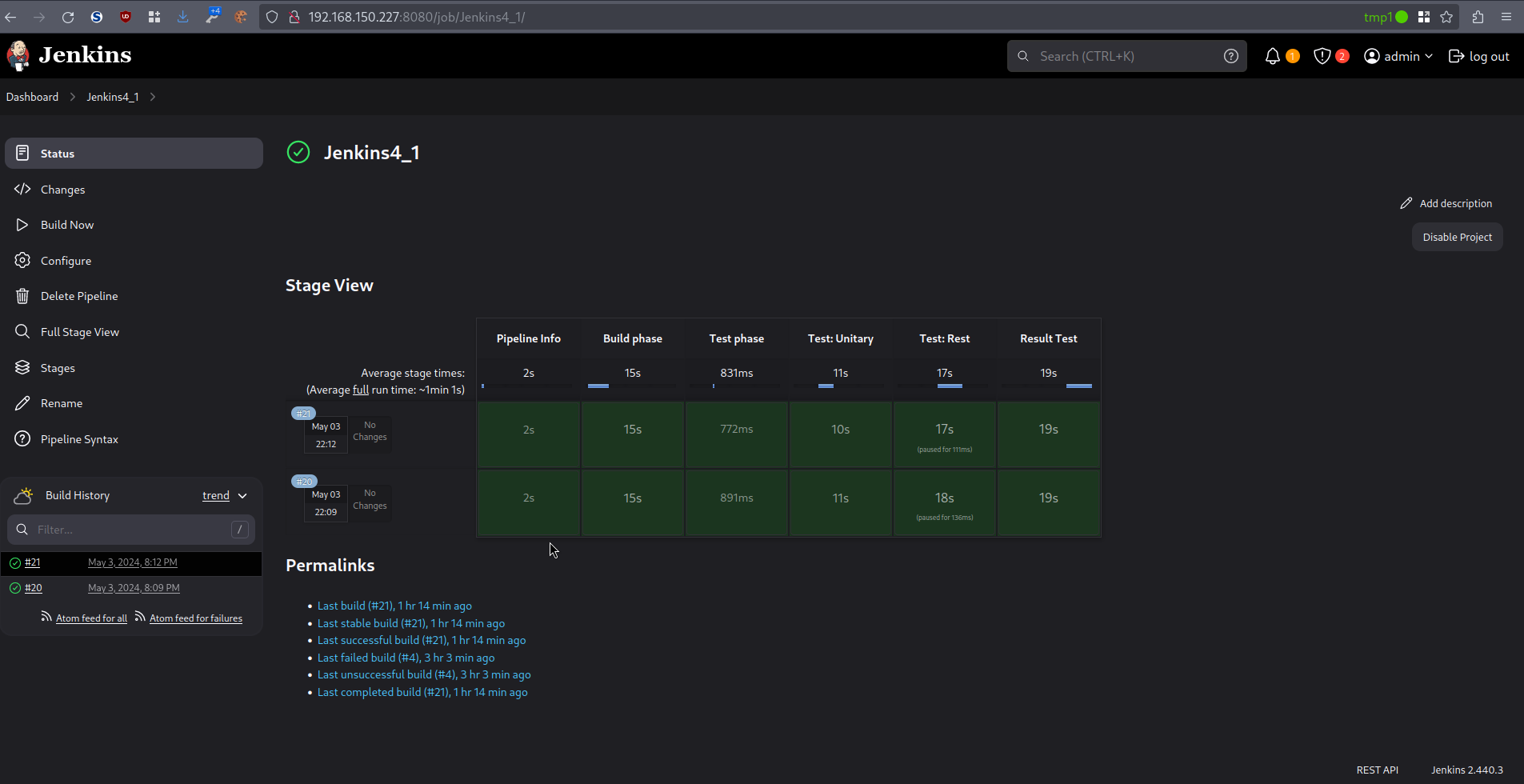
Table 1: Salida de la ejecución final de la pipeline de Jenkins

|  |
| --- |
| Started by user [admin](http://192.168.150.227:8080/user/admin)  Loading library test-pipeline-library@master  Attempting to resolve master from remote references...  > git --version # timeout=10  > git --version # 'git version 2.34.1'  > git ls-remote -h -- <https://github.com/dargamenteria/actividad1-A> # timeout=10  Found match: refs/heads/master revision a1e571735750b4c3bf1f5f596da28763ebc12f23  The recommended git tool is: git  No credentials specified  > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Jenkins4\_1@libs/9db50c116b0d748c9ba2230e8c4c2703093fa8a3daba5a13ae2d39d47d019d32/.git # timeout=10  Fetching changes from the remote Git repository  > git config remote.origin.url <https://github.com/dargamenteria/actividad1-A> # timeout=10  Fetching without tags  Fetching upstream changes from <https://github.com/dargamenteria/actividad1-A>  > git --version # timeout=10  > git --version # 'git version 2.34.1'  > git fetch --no-tags --force --progress -- <https://github.com/dargamenteria/actividad1-A> +refs/heads/\*:refs/remotes/origin/\* # timeout=10  Checking out Revision a1e571735750b4c3bf1f5f596da28763ebc12f23 (master)  > git config core.sparsecheckout # timeout=10  > git checkout -f a1e571735750b4c3bf1f5f596da28763ebc12f23 # timeout=10  Commit message: "update docs"  > git rev-list --no-walk a1e571735750b4c3bf1f5f596da28763ebc12f23 # timeout=10  [Pipeline] Start of Pipeline  [Pipeline] node  Running on [slave2\_ssh](http://192.168.150.227:8080/computer/slave2%5Fssh/) in /var/lib/jenkins/workspace/Jenkins4\_1  [Pipeline] {  [Pipeline] withCredentials  Masking supported pattern matches of $GIT\_TOKEN  [Pipeline] {  [Pipeline] stage  [Pipeline] { (Pipeline Info)  [Pipeline] sh  + echo pipelineBanner  pipelineBanner  [Pipeline] script  [Pipeline] {  [Pipeline] sh  + hostname -f  + echo Hostname: slave2.paranoidworld.es  Hostname: slave2.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave2.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave2.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] }  [Pipeline] // script  [Pipeline] }  [Pipeline] // stage  [Pipeline] stage  [Pipeline] { (Build phase)  [Pipeline] node  Running on [slave2\_ssh](http://192.168.150.227:8080/computer/slave2%5Fssh/) in /var/lib/jenkins/workspace/Jenkins4\_1@2  [Pipeline] {  [Pipeline] script  [Pipeline] {  [Pipeline] sh  + hostname -f  + echo Hostname: slave2.paranoidworld.es  Hostname: slave2.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave2.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave2.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] }  [Pipeline] // script  [Pipeline] sh  + [ -e /var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A ]  + rm -fr /var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A  + git clone https://\*\*\*\*@github.com/dargamenteria/actividad1-A  Cloning into 'actividad1-A'...  + ls -arlt  total 12  drwxrwxr-x 21 jenkins jenkins 4096 May 3 18:31 ..  drwxrwxr-x 3 jenkins jenkins 4096 May 3 20:12 .  drwxrwxr-x 8 jenkins jenkins 4096 May 3 20:12 actividad1-A  + echo /var/lib/jenkins/workspace/Jenkins4\_1@2  /var/lib/jenkins/workspace/Jenkins4\_1@2  [Pipeline] stash  Stashed 87 file(s)  [Pipeline] }  [Pipeline] // node  [Pipeline] }  [Pipeline] // stage  [Pipeline] stage  [Pipeline] { (Test phase)  [Pipeline] parallel  [Pipeline] { (Branch: Test: Unitary)  [Pipeline] { (Branch: Test: Rest)  [Pipeline] stage  [Pipeline] { (Test: Unitary)  [Pipeline] stage  [Pipeline] { (Test: Rest)  [Pipeline] node  Running on [slave1\_ssh](http://192.168.150.227:8080/computer/slave1%5Fssh/) in /var/lib/jenkins/workspace/Jenkins4\_1  [Pipeline] node  Running on [slave1\_ssh](http://192.168.150.227:8080/computer/slave1%5Fssh/) in /var/lib/jenkins/workspace/Jenkins4\_1@2  [Pipeline] {  [Pipeline] {  [Pipeline] script  [Pipeline] {  [Pipeline] script  [Pipeline] {  [Pipeline] sh  [Pipeline] sh  + hostname -f  + echo Hostname: slave1.paranoidworld.es  Hostname: slave1.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] }  + hostname -f  + echo Hostname: slave1.paranoidworld.es  Hostname: slave1.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] // script  [Pipeline] unstash  [Pipeline] }  [Pipeline] // script  [Pipeline] unstash  [Pipeline] sh  + echo Test phase  Test phase  + cd /var/lib/jenkins/workspace/Jenkins4\_1/actividad1-A  + export PYTHONPATH=.  + pwd  + pytest-3 --junitxml=result-test.xml /var/lib/jenkins/workspace/Jenkins4\_1/actividad1-A/test/unit  [Pipeline] lock  Trying to acquire lock on [Resource: test-resources]  Lock acquired on [Resource: test-resources]  ============================= test session starts ==============================  platform linux -- Python 3.10.12, pytest-6.2.5, py-1.10.0, pluggy-0.13.0  rootdir: /var/lib/jenkins/workspace/Jenkins4\_1/actividad1-A, configfile: pytest.ini  collected 11 items  test/unit/calc\_test.py ......... [ 81%]  test/unit/util\_test.py .. [100%]  - generated xml file: /var/lib/jenkins/workspace/Jenkins4\_1/actividad1-A/result-test.xml -  ============================== 11 passed in 0.07s ==============================  [Pipeline] {  [Pipeline] }  [Pipeline] sh  + echo Test phase  Test phase  + cd /var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A  + export PYTHONPATH=.  + pwd  + export FLASK\_APP=/var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A/app/api.py  + flask run  + wc -l  + grep -E 9090|5000  + pwd  + java -jar /apps/wiremock/wiremock-standalone-3.5.4.jar --port 9090 --root-dir /var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A/test/wiremock  + ss -lnt  + [ 0 != 2 ]  + echo No perative yet  No perative yet  + sleep 1  [Pipeline] // node  [Pipeline] }  [Pipeline] // stage  [Pipeline] }  + wc -l  + grep -E 9090|5000  + ss -lnt  + [ 0 != 2 ]  + echo No perative yet  No perative yet  + sleep 1  \* Serving Flask app '/var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A/app/api.py' (lazy loading)  \* Environment: production  WARNING: This is a development server. Do not use it in a production deployment.  Use a production WSGI server instead.  \* Debug mode: off  \* Running on <http://127.0.0.1:5000/> (Press CTRL+C to quit)  + wc -l  + grep -E 9090|5000  + ss -lnt  + [ 1 != 2 ]  + echo No perative yet  No perative yet  + sleep 1  + wc -l  + grep -E 9090|5000  + ss -lnt  + [ 1 != 2 ]  + echo No perative yet  No perative yet  + sleep 1  + wc -l  + grep -E 9090|5000  + ss -lnt  + [ 1 != 2 ]  + echo No perative yet  No perative yet  + sleep 1  [34m██ ██ ██ ██████ ███████ [33m███ ███ ██████ ██████ ██ ██  [34m██ ██ ██ ██ ██ ██ [33m████ ████ ██ ██ ██ ██ ██  [34m██ █ ██ ██ ██████ █████ [33m██ ████ ██ ██ ██ ██ █████  [34m██ ███ ██ ██ ██ ██ ██ [33m██ ██ ██ ██ ██ ██ ██ ██  [34m ███ ███ ██ ██ ██ ███████ [33m██ ██ ██████ ██████ ██ ██  [0m----------------------------------------------------------------  | Cloud: <https://wiremock.io/cloud> |  | |  | Slack: [https://slack.wiremock.org](https://slack.wiremock.org/) |  ----------------------------------------------------------------  version: 3.5.4  port: 9090  enable-browser-proxying: false  disable-banner: false  no-request-journal: false  verbose: false  extensions: response-template,webhook  + wc -l  + grep -E 9090|5000  + ss -lnt  + [ 2 != 2 ]  + pwd  + pytest-3 --junitxml=result-rest.xml /var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A/test/rest  ============================= test session starts ==============================  platform linux -- Python 3.10.12, pytest-6.2.5, py-1.10.0, pluggy-0.13.0  rootdir: /var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A, configfile: pytest.ini  collected 2 items  test/rest/api\_test.py 127.0.0.1 - - [03/May/2024 20:12:52] "GET /calc/add/1/2 HTTP/1.1" 200 -  .. [100%]  - generated xml file: /var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A/result-rest.xml -  ============================== 2 passed in 0.58s ===============================  [Pipeline] }  Lock released on resource [Resource: test-resources]  [Pipeline] // lock  [Pipeline] }  [Pipeline] // node  [Pipeline] }  [Pipeline] // stage  [Pipeline] }  [Pipeline] // parallel  [Pipeline] }  [Pipeline] // stage  [Pipeline] stage  [Pipeline] { (Result Test)  [Pipeline] node  Running on [slave1\_ssh](http://192.168.150.227:8080/computer/slave1%5Fssh/) in /var/lib/jenkins/workspace/Jenkins4\_1  [Pipeline] {  [Pipeline] script  [Pipeline] {  [Pipeline] sh  + hostname -f  + echo Hostname: slave1.paranoidworld.es  Hostname: slave1.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] }  [Pipeline] // script  [Pipeline] catchError  [Pipeline] {  [Pipeline] unstash  [Pipeline] sh  + pwd  + echo /var/lib/jenkins/workspace/Jenkins4\_1  /var/lib/jenkins/workspace/Jenkins4\_1  + sleep 10  + pwd  + ls -arlt /var/lib/jenkins/workspace/Jenkins4\_1/actividad1-A/result-test.xml  -rw-rw-r-- 1 jenkins jenkins 1524 May 3 20:12 /var/lib/jenkins/workspace/Jenkins4\_1/actividad1-A/result-test.xml  [Pipeline] junit  Recording test results  None of the test reports contained any result  [Checks API] No suitable checks publisher found.  [Pipeline] }  No test report files were found. Configuration error?  [Pipeline] // catchError  [Pipeline] }  [Pipeline] // node  [Pipeline] }  [Pipeline] // stage  [Pipeline] }  [Pipeline] // withCredentials  [Pipeline] }  [Pipeline] // node  [Pipeline] End of Pipeline  Finished: SUCCESS |

* Captura de pantalla de la ejecución del pipeline y las gráficas de evolución de los tests unitarios/integración.



Captura de pantalla de Jenkins donde se vea que la última ejecución del pipeline muestra todas las etapas en verde.



Además, también deben verse las gráficas del plugin Junit (en la misma página donde se ven los resultados de los builds de este pipeline), donde se muestra la evolución del número de pruebas satisfactorias.

No he conseguido que funcione

* Explicación del funcionamiento del pipeline y posibles problemas que pudiera causar (y, de hecho, causa) la implementación actual.

Se puede encontrar en los siguientes enlaces

* [Parte A Reto1](https://github.com/dargamenteria/actividad1-A/blob/master/docs/Parte%20A%20Reto1.md)

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

Como se indica en la guía de apoyo, en caso de usar agentes en el mismo PC y usuario, debe mostrarse también en los logs el Workspace donde se ejecuta cada etapa.

Debe copiarse el log entero aquí.

El log es el mismo que en punto anterior

* Explicación de la separación realizada y fundamentación de la misma.

Las explicaciones están en el siguiente documento

* [Parte A Reto2](https://github.com/dargamenteria/actividad1-A/blob/master/docs/Parte%20A%20Reto2.md)

Explicación de por qué se ha optado por esta separación de agentes, qué método de creación de agentes se ha empleado (SSH, java) y por qué y qué conclusiones obtiene tras esta distribución de tareas en cuanto a seguridad o eficiencia.

Las explicaciones están en el siguiente documento

* [Parte A Reto2](https://github.com/dargamenteria/actividad1-A/blob/master/docs/Parte%20A%20Reto2.md)

Reto 3 – Ampliación de microservicios

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.

El repositorio será el mismo, por lo que no es necesario indicar ninguna otra URL.

Hay que tener en cuenta que ahora tendremos dos ramas en el repositorio: master y develop.

* Indicar qué cambios se han tenido que realizar al Jenkinsfile (si los hubiera)

Las explicaciones están en el siguiente documento: [Parte A Reto3](https://github.com/dargamenteria/actividad1-A/blob/master/docs/Parte%20A%20Reto3.md)

* Log de ejecución del pipeline, donde se muestre por pantalla la salida del comando pytest para verificar que se han ejecutado los nuevos tests unitarios y de integración.

Debe copiarse el log entero aquí.

|  |
| --- |
| Started by user [admin](http://192.168.150.227:8080/user/admin)  Obtained Jenkinsfile from git <https://github.com/dargamenteria/actividad1-A>  Loading library test-pipeline-library@master  Attempting to resolve master from remote references...  > git --version # timeout=10  > git --version # 'git version 2.34.1'  > git ls-remote -h -- <https://github.com/dargamenteria/actividad1-A> # timeout=10  Found match: refs/heads/master revision c60b9ff762e4de13abfc3081417b03146c6fd630  The recommended git tool is: git  No credentials specified  > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Jenkins3\_3@libs/9db50c116b0d748c9ba2230e8c4c2703093fa8a3daba5a13ae2d39d47d019d32/.git # timeout=10  Fetching changes from the remote Git repository  > git config remote.origin.url <https://github.com/dargamenteria/actividad1-A> # timeout=10  Fetching without tags  Fetching upstream changes from <https://github.com/dargamenteria/actividad1-A>  > git --version # timeout=10  > git --version # 'git version 2.34.1'  > git fetch --no-tags --force --progress -- <https://github.com/dargamenteria/actividad1-A> +refs/heads/\*:refs/remotes/origin/\* # timeout=10  Checking out Revision c60b9ff762e4de13abfc3081417b03146c6fd630 (master)  > git config core.sparsecheckout # timeout=10  > git checkout -f c60b9ff762e4de13abfc3081417b03146c6fd630 # timeout=10  Commit message: "Added clean workspace function"  > git rev-list --no-walk e9c505717abfee45b8cca197dd8e04bbddb5795f # timeout=10  [Pipeline] Start of Pipeline  [Pipeline] node  Running on [slave2\_ssh](http://192.168.150.227:8080/computer/slave2%5Fssh/) in /var/lib/jenkins/workspace/Jenkins3\_3  [Pipeline] {  [Pipeline] stage  [Pipeline] { (Declarative: Checkout SCM)  [Pipeline] checkout  The recommended git tool is: git  No credentials specified  Cloning the remote Git repository  Cloning repository <https://github.com/dargamenteria/actividad1-A>  > git init /var/lib/jenkins/workspace/Jenkins3\_3 # timeout=10  Fetching upstream changes from <https://github.com/dargamenteria/actividad1-A>  > git --version # timeout=10  > git --version # 'git version 2.34.1'  > git fetch --tags --force --progress -- <https://github.com/dargamenteria/actividad1-A> +refs/heads/\*:refs/remotes/origin/\* # timeout=10  Avoid second fetch  Checking out Revision 897db06fe2b68a053ed911c0d0673e1139397adb (refs/remotes/origin/develop)  > git config remote.origin.url <https://github.com/dargamenteria/actividad1-A> # timeout=10  > git config --add remote.origin.fetch +refs/heads/\*:refs/remotes/origin/\* # timeout=10  > git rev-parse refs/remotes/origin/develop^{commit} # timeout=10  > git config core.sparsecheckout # timeout=10  > git checkout -f 897db06fe2b68a053ed911c0d0673e1139397adb # timeout=10  Commit message: "Update Jenkins file"  > git rev-list --no-walk e9c505717abfee45b8cca197dd8e04bbddb5795f # timeout=10  [Pipeline] }  [Pipeline] // stage  [Pipeline] withEnv  [Pipeline] {  [Pipeline] withCredentials  Masking supported pattern matches of $GIT\_TOKEN  [Pipeline] {  [Pipeline] stage  [Pipeline] { (Pipeline Info)  [Pipeline] sh  + echo pipelineBanner  pipelineBanner  [Pipeline] script  [Pipeline] {  [Pipeline] sh  + hostname -f  + echo Hostname: slave2.paranoidworld.es  Hostname: slave2.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave2.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave2.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] }  [Pipeline] // script  [Pipeline] }  [Pipeline] // stage  [Pipeline] stage  [Pipeline] { (Build phase)  [Pipeline] node  Running on [slave2\_ssh](http://192.168.150.227:8080/computer/slave2%5Fssh/) in /var/lib/jenkins/workspace/Jenkins3\_3@2  [Pipeline] {  [Pipeline] checkout  The recommended git tool is: git  No credentials specified  Fetching changes from the remote Git repository  Checking out Revision 897db06fe2b68a053ed911c0d0673e1139397adb (refs/remotes/origin/develop)  > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Jenkins3\_3@2/.git # timeout=10  > git config remote.origin.url <https://github.com/dargamenteria/actividad1-A> # timeout=10  Fetching upstream changes from <https://github.com/dargamenteria/actividad1-A>  > git --version # timeout=10  > git --version # 'git version 2.34.1'  > git fetch --tags --force --progress -- <https://github.com/dargamenteria/actividad1-A> +refs/heads/\*:refs/remotes/origin/\* # timeout=10  > git rev-parse refs/remotes/origin/develop^{commit} # timeout=10  > git config core.sparsecheckout # timeout=10  > git checkout -f 897db06fe2b68a053ed911c0d0673e1139397adb # timeout=10  Commit message: "Update Jenkins file"  [Pipeline] withEnv  [Pipeline] {  [Pipeline] script  [Pipeline] {  [Pipeline] sh  + hostname -f  + echo Hostname: slave2.paranoidworld.es  Hostname: slave2.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave2.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave2.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] }  [Pipeline] // script  [Pipeline] sh  + [ -e /var/lib/jenkins/workspace/Jenkins3\_3@2/actividad1-A ]  + rm -fr /var/lib/jenkins/workspace/Jenkins3\_3@2/actividad1-A  + ls -arlt  total 116  -rw-rw-r-- 1 jenkins jenkins 52 May 2 19:39 .gitignore  -rw-rw-r-- 1 jenkins jenkins 413 May 2 19:39 README.md  -rw-rw-r-- 1 jenkins jenkins 20305 May 2 19:39 Parte A Reto2.md  -rw-rw-r-- 1 jenkins jenkins 40133 May 2 19:39 Parte A Reto1.md  -rw-rw-r-- 1 jenkins jenkins 1403 May 2 19:39 JENKINSFILE  drwxrwxr-x 2 jenkins jenkins 4096 May 2 19:39 app  drwxrwxr-x 2 jenkins jenkins 4096 May 2 19:39 \_resources  drwxrwxr-x 3 jenkins jenkins 4096 May 2 19:39 test-pipeline-library  drwxrwxr-x 6 jenkins jenkins 4096 May 2 19:39 test  -rw-rw-r-- 1 jenkins jenkins 169 May 2 19:39 pytest.ini  -rw-rw-r-- 1 jenkins jenkins 348 May 2 19:39 md.sh  drwxrwxr-x 4 jenkins jenkins 4096 May 2 19:39 iac  drwxrwxr-x 9 jenkins jenkins 4096 May 2 19:54 ..  -rw-rw-r-- 1 jenkins jenkins 2376 May 2 19:55 Jenkinsfile  drwxrwxr-x 8 jenkins jenkins 4096 May 2 19:55 .git  drwxrwxr-x 8 jenkins jenkins 4096 May 2 19:55 .  + echo /var/lib/jenkins/workspace/Jenkins3\_3@2  /var/lib/jenkins/workspace/Jenkins3\_3@2  [Pipeline] git  The recommended git tool is: git  No credentials specified  Fetching changes from the remote Git repository  Checking out Revision 897db06fe2b68a053ed911c0d0673e1139397adb (refs/remotes/origin/develop)  Commit message: "Update Jenkins file"  [Pipeline] stash  > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Jenkins3\_3@2/.git # timeout=10  > git config remote.origin.url <https://github.com/dargamenteria/actividad1-A> # timeout=10  Fetching upstream changes from <https://github.com/dargamenteria/actividad1-A>  > git --version # timeout=10  > git --version # 'git version 2.34.1'  > git fetch --tags --force --progress -- <https://github.com/dargamenteria/actividad1-A> +refs/heads/\*:refs/remotes/origin/\* # timeout=10  > git rev-parse refs/remotes/origin/develop^{commit} # timeout=10  > git config core.sparsecheckout # timeout=10  > git checkout -f 897db06fe2b68a053ed911c0d0673e1139397adb # timeout=10  > git branch -a -v --no-abbrev # timeout=10  > git checkout -b develop 897db06fe2b68a053ed911c0d0673e1139397adb # timeout=10  Stashed 86 file(s)  [Pipeline] }  [Pipeline] // withEnv  [Pipeline] }  [Pipeline] // node  [Pipeline] }  [Pipeline] // stage  [Pipeline] stage  [Pipeline] { (Test phase)  [Pipeline] parallel  [Pipeline] { (Branch: Test phase)  [Pipeline] { (Branch: Test Rest phase)  [Pipeline] stage  [Pipeline] { (Test phase)  [Pipeline] stage  [Pipeline] { (Test Rest phase)  [Pipeline] node  [Pipeline] node  Running on [slave1\_ssh](http://192.168.150.227:8080/computer/slave1%5Fssh/) in /var/lib/jenkins/workspace/Jenkins3\_3  Running on [slave1\_ssh](http://192.168.150.227:8080/computer/slave1%5Fssh/) in /var/lib/jenkins/workspace/Jenkins3\_3@2  [Pipeline] {  [Pipeline] {  [Pipeline] checkout  The recommended git tool is: git  No credentials specified  Fetching changes from the remote Git repository  [Pipeline] checkout  The recommended git tool is: git  No credentials specified  Fetching changes from the remote Git repository  Checking out Revision 897db06fe2b68a053ed911c0d0673e1139397adb (refs/remotes/origin/develop)  > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Jenkins3\_3@2/.git # timeout=10  > git config remote.origin.url <https://github.com/dargamenteria/actividad1-A> # timeout=10  Fetching upstream changes from <https://github.com/dargamenteria/actividad1-A>  > git --version # timeout=10  > git --version # 'git version 2.34.1'  > git fetch --tags --force --progress -- <https://github.com/dargamenteria/actividad1-A> +refs/heads/\*:refs/remotes/origin/\* # timeout=10  > git rev-parse refs/remotes/origin/develop^{commit} # timeout=10  > git config core.sparsecheckout # timeout=10  > git checkout -f 897db06fe2b68a053ed911c0d0673e1139397adb # timeout=10  Checking out Revision 897db06fe2b68a053ed911c0d0673e1139397adb (refs/remotes/origin/develop)  > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Jenkins3\_3/.git # timeout=10  > git config remote.origin.url <https://github.com/dargamenteria/actividad1-A> # timeout=10  Fetching upstream changes from <https://github.com/dargamenteria/actividad1-A>  > git --version # timeout=10  > git --version # 'git version 2.34.1'  > git fetch --tags --force --progress -- <https://github.com/dargamenteria/actividad1-A> +refs/heads/\*:refs/remotes/origin/\* # timeout=10  > git rev-parse refs/remotes/origin/develop^{commit} # timeout=10  > git config core.sparsecheckout # timeout=10  > git checkout -f 897db06fe2b68a053ed911c0d0673e1139397adb # timeout=10  Commit message: "Update Jenkins file"  Commit message: "Update Jenkins file"  [Pipeline] withEnv  [Pipeline] {  [Pipeline] withEnv  [Pipeline] {  [Pipeline] script  [Pipeline] {  [Pipeline] sh  [Pipeline] script  + hostname -f  + echo Hostname: slave1.paranoidworld.es  Hostname: slave1.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] {  [Pipeline] sh  + hostname -f  + echo Hostname: slave1.paranoidworld.es  Hostname: slave1.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] }  [Pipeline] // script  [Pipeline] unstash  [Pipeline] }  [Pipeline] // script  [Pipeline] unstash  [Pipeline] sh  + echo Test phase  Test phase  + cd /var/lib/jenkins/workspace/Jenkins3\_3@2/actividad1-A  + export PYTHONPATH=.  + pwd  + export FLASK\_APP=/var/lib/jenkins/workspace/Jenkins3\_3@2/actividad1-A/app/api.py  + sleep 10  + flask run  + pwd  + java -jar /apps/wiremock/wiremock-standalone-3.5.4.jar --port 9090 --root-dir /var/lib/jenkins/workspace/Jenkins3\_3@2/actividad1-A/test/wiremock  \* Serving Flask app '/var/lib/jenkins/workspace/Jenkins3\_3@2/actividad1-A/app/api.py' (lazy loading)  \* Environment: production  WARNING: This is a development server. Do not use it in a production deployment.  Use a production WSGI server instead.  \* Debug mode: off  \* Running on <http://127.0.0.1:5000/> (Press CTRL+C to quit)  [Pipeline] sh  + echo Test phase  Test phase  + cd /var/lib/jenkins/workspace/Jenkins3\_3/actividad1-A  + export PYTHONPATH=.  + pwd  + pytest-3 --junitxml=result-test.xml /var/lib/jenkins/workspace/Jenkins3\_3/actividad1-A/test/unit  ============================= test session starts ==============================  platform linux -- Python 3.10.12, pytest-6.2.5, py-1.10.0, pluggy-0.13.0  rootdir: /var/lib/jenkins/workspace/Jenkins3\_3/actividad1-A, configfile: pytest.ini  collected 11 items  test/unit/calc\_test.py ......... [ 81%]  test/unit/util\_test.py .. [100%]  - generated xml file: /var/lib/jenkins/workspace/Jenkins3\_3/actividad1-A/result-test.xml -  ============================== 11 passed in 0.25s ==============================  [Pipeline] }  [Pipeline] // withEnv  [Pipeline] }  [Pipeline] // node  [Pipeline] }  [Pipeline] // stage  [Pipeline] }  [34m██ ██ ██ ██████ ███████ [33m███ ███ ██████ ██████ ██ ██  [34m██ ██ ██ ██ ██ ██ [33m████ ████ ██ ██ ██ ██ ██  [34m██ █ ██ ██ ██████ █████ [33m██ ████ ██ ██ ██ ██ █████  [34m██ ███ ██ ██ ██ ██ ██ [33m██ ██ ██ ██ ██ ██ ██ ██  [34m ███ ███ ██ ██ ██ ███████ [33m██ ██ ██████ ██████ ██ ██  [0m----------------------------------------------------------------  | Cloud: <https://wiremock.io/cloud> |  | |  | Slack: [https://slack.wiremock.org](https://slack.wiremock.org/) |  ----------------------------------------------------------------  version: 3.5.4  port: 9090  enable-browser-proxying: false  disable-banner: false  no-request-journal: false  verbose: false  extensions: response-template,webhook  + pwd  + pytest-3 --junitxml=result-rest.xml /var/lib/jenkins/workspace/Jenkins3\_3@2/actividad1-A/test/rest  ============================= test session starts ==============================  platform linux -- Python 3.10.12, pytest-6.2.5, py-1.10.0, pluggy-0.13.0  rootdir: /var/lib/jenkins/workspace/Jenkins3\_3@2/actividad1-A, configfile: pytest.ini  collected 2 items  test/rest/api\_test.py 127.0.0.1 - - [02/May/2024 19:55:52] "GET /calc/add/1/2 HTTP/1.1" 200 -  .. [100%]  - generated xml file: /var/lib/jenkins/workspace/Jenkins3\_3@2/actividad1-A/result-rest.xml -  ============================== 2 passed in 0.49s ===============================  [Pipeline] }  [Pipeline] // withEnv  [Pipeline] }  [Pipeline] // node  [Pipeline] }  [Pipeline] // stage  [Pipeline] }  [Pipeline] // parallel  [Pipeline] }  [Pipeline] // stage  [Pipeline] stage  [Pipeline] { (Result Test)  [Pipeline] node  Running on [slave1\_ssh](http://192.168.150.227:8080/computer/slave1%5Fssh/) in /var/lib/jenkins/workspace/Jenkins3\_3  [Pipeline] {  [Pipeline] checkout  The recommended git tool is: git  No credentials specified  Fetching changes from the remote Git repository  Checking out Revision 897db06fe2b68a053ed911c0d0673e1139397adb (refs/remotes/origin/develop)  > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Jenkins3\_3/.git # timeout=10  > git config remote.origin.url <https://github.com/dargamenteria/actividad1-A> # timeout=10  Fetching upstream changes from <https://github.com/dargamenteria/actividad1-A>  > git --version # timeout=10  > git --version # 'git version 2.34.1'  > git fetch --tags --force --progress -- <https://github.com/dargamenteria/actividad1-A> +refs/heads/\*:refs/remotes/origin/\* # timeout=10  > git rev-parse refs/remotes/origin/develop^{commit} # timeout=10  > git config core.sparsecheckout # timeout=10  > git checkout -f 897db06fe2b68a053ed911c0d0673e1139397adb # timeout=10  Commit message: "Update Jenkins file"  [Pipeline] withEnv  [Pipeline] {  [Pipeline] script  [Pipeline] {  [Pipeline] sh  + hostname -f  + echo Hostname: slave1.paranoidworld.es  Hostname: slave1.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] }  [Pipeline] // script  [Pipeline] catchError  [Pipeline] {  [Pipeline] unstash  [Pipeline] sh  + pwd  + echo /var/lib/jenkins/workspace/Jenkins3\_3  /var/lib/jenkins/workspace/Jenkins3\_3  + sleep 10  + pwd  + ls -arlt /var/lib/jenkins/workspace/Jenkins3\_3/actividad1-A/result-\*.xml  ls: cannot access '/var/lib/jenkins/workspace/Jenkins3\_3/actividad1-A/result-\*.xml': No such file or directory  [Pipeline] }  ERROR: script returned exit code 2  [Pipeline] // catchError  [Pipeline] }  [Pipeline] // withEnv  [Pipeline] }  [Pipeline] // node  [Pipeline] }  [Pipeline] // stage  [Pipeline] stage  [Pipeline] { (Declarative: Post Actions)  [Pipeline] cleanWs  [WS-CLEANUP] Deleting project workspace...  [WS-CLEANUP] Deferred wipeout is used...  [WS-CLEANUP] done  [Pipeline] }  [Pipeline] // stage  [Pipeline] }  [Pipeline] // withCredentials  [Pipeline] }  [Pipeline] // withEnv  [Pipeline] }  [Pipeline] // node  [Pipeline] End of Pipeline  Finished: SUCCESS |

Reto 4 – Mejora de la fiabilidad

En este reto se solicitan 4 entregables:

* URL al repositorio del alumno con el código fuente, junto con el Jenkinsfile.

El repositorio será el mismo, por lo que no es necesario indicar ninguna otra URL.

Hay que tener en cuenta que ahora tendremos tres ramas en el repositorio: master, develop y feature\_fix\_racecond.

* Log del pipeline sobre rama master, donde se produzca el error en situación de sobrecarga del PC.

Puede consultarse en este enlace [Añadir etapa Service (secuencial) lanzado las pruebas de servicio](https://github.com/dargamenteria/actividad1-A/blob/master/docs/Parte%20A%20Reto1.md" \l "a%C3%B1adir-etapa-service-secuencial-lanzado-las-pruebas-de-servicio)

Debe copiarse el log entero aquí.

* Log del pipeline sobre la nueva rama “feature\_fix\_racecond”, donde no se produzca este error.

|  |
| --- |
| Started by user [admin](http://192.168.150.227:8080/user/admin)  Loading library test-pipeline-library@master  Attempting to resolve master from remote references...  > git --version # timeout=10  > git --version # 'git version 2.34.1'  > git ls-remote -h -- <https://github.com/dargamenteria/actividad1-A> # timeout=10  Found match: refs/heads/master revision a1e571735750b4c3bf1f5f596da28763ebc12f23  The recommended git tool is: git  No credentials specified  > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Jenkins4\_1@libs/9db50c116b0d748c9ba2230e8c4c2703093fa8a3daba5a13ae2d39d47d019d32/.git # timeout=10  Fetching changes from the remote Git repository  > git config remote.origin.url <https://github.com/dargamenteria/actividad1-A> # timeout=10  Fetching without tags  Fetching upstream changes from <https://github.com/dargamenteria/actividad1-A>  > git --version # timeout=10  > git --version # 'git version 2.34.1'  > git fetch --no-tags --force --progress -- <https://github.com/dargamenteria/actividad1-A> +refs/heads/\*:refs/remotes/origin/\* # timeout=10  Checking out Revision a1e571735750b4c3bf1f5f596da28763ebc12f23 (master)  > git config core.sparsecheckout # timeout=10  > git checkout -f a1e571735750b4c3bf1f5f596da28763ebc12f23 # timeout=10  Commit message: "update docs"  > git rev-list --no-walk a1e571735750b4c3bf1f5f596da28763ebc12f23 # timeout=10  [Pipeline] Start of Pipeline  [Pipeline] node  Running on [slave2\_ssh](http://192.168.150.227:8080/computer/slave2%5Fssh/) in /var/lib/jenkins/workspace/Jenkins4\_1  [Pipeline] {  [Pipeline] withCredentials  Masking supported pattern matches of $GIT\_TOKEN  [Pipeline] {  [Pipeline] stage  [Pipeline] { (Pipeline Info)  [Pipeline] sh  + echo pipelineBanner  pipelineBanner  [Pipeline] script  [Pipeline] {  [Pipeline] sh  + hostname -f  + echo Hostname: slave2.paranoidworld.es  Hostname: slave2.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave2.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave2.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] }  [Pipeline] // script  [Pipeline] }  [Pipeline] // stage  [Pipeline] stage  [Pipeline] { (Build phase)  [Pipeline] node  Running on [slave2\_ssh](http://192.168.150.227:8080/computer/slave2%5Fssh/) in /var/lib/jenkins/workspace/Jenkins4\_1@2  [Pipeline] {  [Pipeline] script  [Pipeline] {  [Pipeline] sh  + hostname -f  + echo Hostname: slave2.paranoidworld.es  Hostname: slave2.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave2.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave2.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] }  [Pipeline] // script  [Pipeline] sh  + [ -e /var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A ]  + rm -fr /var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A  + git clone https://\*\*\*\*@github.com/dargamenteria/actividad1-A  Cloning into 'actividad1-A'...  + ls -arlt  total 12  drwxrwxr-x 21 jenkins jenkins 4096 May 3 18:31 ..  drwxrwxr-x 3 jenkins jenkins 4096 May 3 20:12 .  drwxrwxr-x 8 jenkins jenkins 4096 May 3 20:12 actividad1-A  + echo /var/lib/jenkins/workspace/Jenkins4\_1@2  /var/lib/jenkins/workspace/Jenkins4\_1@2  [Pipeline] stash  Stashed 87 file(s)  [Pipeline] }  [Pipeline] // node  [Pipeline] }  [Pipeline] // stage  [Pipeline] stage  [Pipeline] { (Test phase)  [Pipeline] parallel  [Pipeline] { (Branch: Test: Unitary)  [Pipeline] { (Branch: Test: Rest)  [Pipeline] stage  [Pipeline] { (Test: Unitary)  [Pipeline] stage  [Pipeline] { (Test: Rest)  [Pipeline] node  Running on [slave1\_ssh](http://192.168.150.227:8080/computer/slave1%5Fssh/) in /var/lib/jenkins/workspace/Jenkins4\_1  [Pipeline] node  Running on [slave1\_ssh](http://192.168.150.227:8080/computer/slave1%5Fssh/) in /var/lib/jenkins/workspace/Jenkins4\_1@2  [Pipeline] {  [Pipeline] {  [Pipeline] script  [Pipeline] {  [Pipeline] script  [Pipeline] {  [Pipeline] sh  [Pipeline] sh  + hostname -f  + echo Hostname: slave1.paranoidworld.es  Hostname: slave1.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] }  + hostname -f  + echo Hostname: slave1.paranoidworld.es  Hostname: slave1.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] // script  [Pipeline] unstash  [Pipeline] }  [Pipeline] // script  [Pipeline] unstash  [Pipeline] sh  + echo Test phase  Test phase  + cd /var/lib/jenkins/workspace/Jenkins4\_1/actividad1-A  + export PYTHONPATH=.  + pwd  + pytest-3 --junitxml=result-test.xml /var/lib/jenkins/workspace/Jenkins4\_1/actividad1-A/test/unit  [Pipeline] lock  Trying to acquire lock on [Resource: test-resources]  Lock acquired on [Resource: test-resources]  ============================= test session starts ==============================  platform linux -- Python 3.10.12, pytest-6.2.5, py-1.10.0, pluggy-0.13.0  rootdir: /var/lib/jenkins/workspace/Jenkins4\_1/actividad1-A, configfile: pytest.ini  collected 11 items  test/unit/calc\_test.py ......... [ 81%]  test/unit/util\_test.py .. [100%]  - generated xml file: /var/lib/jenkins/workspace/Jenkins4\_1/actividad1-A/result-test.xml -  ============================== 11 passed in 0.07s ==============================  [Pipeline] {  [Pipeline] }  [Pipeline] sh  + echo Test phase  Test phase  + cd /var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A  + export PYTHONPATH=.  + pwd  + export FLASK\_APP=/var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A/app/api.py  + flask run  + wc -l  + grep -E 9090|5000  + pwd  + java -jar /apps/wiremock/wiremock-standalone-3.5.4.jar --port 9090 --root-dir /var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A/test/wiremock  + ss -lnt  + [ 0 != 2 ]  + echo No perative yet  No perative yet  + sleep 1  [Pipeline] // node  [Pipeline] }  [Pipeline] // stage  [Pipeline] }  + wc -l  + grep -E 9090|5000  + ss -lnt  + [ 0 != 2 ]  + echo No perative yet  No perative yet  + sleep 1  \* Serving Flask app '/var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A/app/api.py' (lazy loading)  \* Environment: production  WARNING: This is a development server. Do not use it in a production deployment.  Use a production WSGI server instead.  \* Debug mode: off  \* Running on <http://127.0.0.1:5000/> (Press CTRL+C to quit)  + wc -l  + grep -E 9090|5000  + ss -lnt  + [ 1 != 2 ]  + echo No perative yet  No perative yet  + sleep 1  + wc -l  + grep -E 9090|5000  + ss -lnt  + [ 1 != 2 ]  + echo No perative yet  No perative yet  + sleep 1  + wc -l  + grep -E 9090|5000  + ss -lnt  + [ 1 != 2 ]  + echo No perative yet  No perative yet  + sleep 1  [34m██ ██ ██ ██████ ███████ [33m███ ███ ██████ ██████ ██ ██  [34m██ ██ ██ ██ ██ ██ [33m████ ████ ██ ██ ██ ██ ██  [34m██ █ ██ ██ ██████ █████ [33m██ ████ ██ ██ ██ ██ █████  [34m██ ███ ██ ██ ██ ██ ██ [33m██ ██ ██ ██ ██ ██ ██ ██  [34m ███ ███ ██ ██ ██ ███████ [33m██ ██ ██████ ██████ ██ ██  [0m----------------------------------------------------------------  | Cloud: <https://wiremock.io/cloud> |  | |  | Slack: [https://slack.wiremock.org](https://slack.wiremock.org/) |  ----------------------------------------------------------------  version: 3.5.4  port: 9090  enable-browser-proxying: false  disable-banner: false  no-request-journal: false  verbose: false  extensions: response-template,webhook  + wc -l  + grep -E 9090|5000  + ss -lnt  + [ 2 != 2 ]  + pwd  + pytest-3 --junitxml=result-rest.xml /var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A/test/rest  ============================= test session starts ==============================  platform linux -- Python 3.10.12, pytest-6.2.5, py-1.10.0, pluggy-0.13.0  rootdir: /var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A, configfile: pytest.ini  collected 2 items  test/rest/api\_test.py 127.0.0.1 - - [03/May/2024 20:12:52] "GET /calc/add/1/2 HTTP/1.1" 200 -  .. [100%]  - generated xml file: /var/lib/jenkins/workspace/Jenkins4\_1@2/actividad1-A/result-rest.xml -  ============================== 2 passed in 0.58s ===============================  [Pipeline] }  Lock released on resource [Resource: test-resources]  [Pipeline] // lock  [Pipeline] }  [Pipeline] // node  [Pipeline] }  [Pipeline] // stage  [Pipeline] }  [Pipeline] // parallel  [Pipeline] }  [Pipeline] // stage  [Pipeline] stage  [Pipeline] { (Result Test)  [Pipeline] node  Running on [slave1\_ssh](http://192.168.150.227:8080/computer/slave1%5Fssh/) in /var/lib/jenkins/workspace/Jenkins4\_1  [Pipeline] {  [Pipeline] script  [Pipeline] {  [Pipeline] sh  + hostname -f  + echo Hostname: slave1.paranoidworld.es  Hostname: slave1.paranoidworld.es  + uname -a  + echo Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  Hostinfo: Linux slave1.paranoidworld.es 5.15.0-105-generic #115-Ubuntu SMP Mon Apr 15 09:52:04 UTC 2024 x86\_64 x86\_64 x86\_64 GNU/Linux  [Pipeline] }  [Pipeline] // script  [Pipeline] catchError  [Pipeline] {  [Pipeline] unstash  [Pipeline] sh  + pwd  + echo /var/lib/jenkins/workspace/Jenkins4\_1  /var/lib/jenkins/workspace/Jenkins4\_1  + sleep 10  + pwd  + ls -arlt /var/lib/jenkins/workspace/Jenkins4\_1/actividad1-A/result-test.xml  -rw-rw-r-- 1 jenkins jenkins 1524 May 3 20:12 /var/lib/jenkins/workspace/Jenkins4\_1/actividad1-A/result-test.xml  [Pipeline] junit  Recording test results  None of the test reports contained any result  [Checks API] No suitable checks publisher found.  [Pipeline] }  No test report files were found. Configuration error?  [Pipeline] // catchError  [Pipeline] }  [Pipeline] // node  [Pipeline] }  [Pipeline] // stage  [Pipeline] }  [Pipeline] // withCredentials  [Pipeline] }  [Pipeline] // node  [Pipeline] End of Pipeline  Finished: SUCCESS |

* Explicación del motivo que provoca esta situación anómala en rama *master*, y explicación de la estrategia/solución que se ha seguido para solucionar este problema y hacer más estable el pipeline.

Puede consultarse en este enlace: [Mejoras de la fiabilidad](https://github.com/dargamenteria/actividad1-A/blob/master/docs/Parte%20A%20Reto4.md)

* ANEXOS
* Una documentación exhaustiva de la práctica se puede consultar en el siguiente enlace: [README](https://github.com/dargamenteria/actividad1-A/blob/master/README.md)