

## Evidencias de la ejecución del proyecto en Jenkins

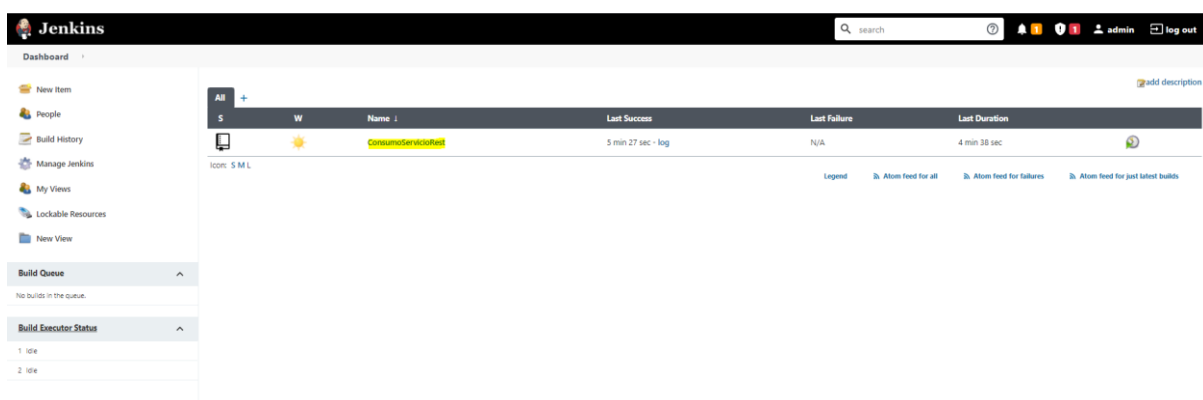
### Archivo Jenkinsfile que permita incluir el proyecto en un entorno de integración continua en Jenkins.

Se creó el archivo Jenkinsfile en la raíz del proyecto para la ejecución de las pruebas en el entorno de integración continua con Jenkins

```
pipeline {
  agent any
  stages {
    stage("Compilar test") {
      steps {
        echo 'Ejecucion automaticadddd'
        sh "./gradlew clean build -x test"
      }
    }
  }
  post {
    always {
      mail to: 'yanierme@gmail.com',
        subject: "Se completo el pipeline: ${currentBuild.fullDisplayName}",
        body: "Se ha terminado la compilación, porfavor revisa: ${env.BUILD_URL}"
    }
  }
}
```

### Servidor de Jenkins que le permita ejecutar automáticamente

En Jenkins se creó la tarea de tipo **Multibranch Pipeline with** con el nombre **ConsumoServicioRest**



The screenshot shows the Jenkins Dashboard with a sidebar on the left containing links like 'New Item', 'People', 'Build History', 'Manage Jenkins', 'My Views', 'Lockable Resources', and 'New View'. The main area displays a table of build jobs. The job 'ConsumoServicioRest' is highlighted in yellow, indicating a successful build. Below the table, there are sections for 'Build Queue' (showing no builds in the queue) and 'Build Executor Status' (showing two executors in a 'Idle' state).

S	W	Name	Last Success	Last Failure	Last Duration
		ConsumoServicioRest	5 min 27 sec - log	N/A	4 min 38 sec

Para la ejecución automatica se crea un WebHokks en GitHub

Webhooks / Manage webhook

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in [our developer documentation](#).

**Payload URL \***

`https://yanierme-q57d9cd3.socketxp.com/github-webhook/`

**Content type**

`application/json`

**Secret**

Una vez realizado un commit en el proyecto, el WebHooks creado lanza una solicitud a Jenkins para la ejecución

Recent Deliveries

✓

4b4ae340-7516-11eb-80d7-998525cc4439

2021-02-22 09:00:18

Request

Response 200

Redeliver

Completed in 0.75 seconds.

Headers

Content-Length: 0

Date: Mon, 22 Feb 2021 14:00:18 GMT

Server: Jetty(9.4.35.v20201120)

X-Content-Type-Options: nosniff

Body

Y una vez Jenkins recibe la instrucción se ejecuta el proyecto


**Multibranch Pipeline Events**

```
[Sun Feb 22 09:00:18 COT 2021] Received Push event to branch main in repository yanierme/Regres_Automatizacion UPDATED event from 127.0.0.1 => http://yanierme-q57d9cd3.socketxp.com:8080/github-webhook/ with timestamp Sun Feb 22 09:00:18 COT 2021
09:00:21 Connecting to https://api.github.com with no credentials, anonymous access
Examining yanierme/Regres_Automatizacion

Checking branches...

Getting remote branch main...


Checking branch main

Getting remote pull requests from branch main...
'jenkinsfile' found
Met criteria
Changes detected: main (67379df48dc9075a692a28cf3062b5d4bd33a6e - 606fee9500903f9c743d05240e86358c0562b0e)
Scheduled build for branch: main

1 branches were processed (query completed)

1 branches were processed

Finished examining yanierme/Regres_Automatizacion
```

 Jenkins

Dashboard

ConsumeServiceTest

main

Up

Status

Changes

Build Now

View Configuration

Full Stage View

GitHub

Pipeline Syntax

Build History

Find

Feb 22, 2021 10:00 AM

Feb 22, 2021 10:05 AM

Feb 22, 2021 10:00 AM

Feb 22, 2021 10:00 AM

Feb 22, 2021 10:00 AM

Feb 22, 2021 8:17 AM

Alarm feed for all

Alarm feed for failures

search

admin

log out

Branch main

Full project name: ConsumeServiceTest/main

Recent Changes

Stage View

Average stage times:  
(Average full run time: ~28s)

	Declarative: Checkout SCM	Compiler test	Declarative: Post Actions
2s	21s	2s	
1s	21s	2s	
1s	21s	2s	
2s	21s	2s	
2s	23s		
4s	20s		

## Console Output

```

event to branch main
@ps:~$ Connecting to https://api.github.com with no credentials, anonymous access
Obtained Jenkinsfile from 606f6ef95009b3f9c743db524dea6358cb562b8e
Running in Durability level: MAX_SURVIVABILITY
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in C:\WINDOWS\system32\config\systemprofile\AppData\Local\Jenkins\.jenkins\workspace\ConsumoServicioRest_main
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
The recommended git tool is: NONE
No credentials specified
> C:\Program Files\Git\bin\git.exe rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> C:\Program Files\Git\bin\git.exe config remote.origin.url https://github.com/yanierme/Regres_Automatizacion.git # timeout=10
Fetching without tags
Fetching upstream changes from https://github.com/yanierme/Regres_Automatizacion.git
> C:\Program Files\Git\bin\git.exe --version # timeout=10
> git --version # 'git version 2.30.1.windows.1'
> C:\Program Files\Git\bin\git.exe fetch --no-tags --force --progress -- https://github.com/yanierme/Regres_Automatizacion.git +refs/heads/main:refs/remotes/origin/main # timeout=10
Checking out Revision 606f6ef95009b3f9c743db524dea6358cb562b8e (main)
> C:\Program Files\Git\bin\git.exe config core.sparsecheckout # timeout=10
> C:\Program Files\Git\bin\git.exe checkout -f 606f6ef95009b3f9c743db524dea6358cb562b8e # timeout=10
Commit message: "Cambio para prueba de ejecucion automatica"
> C:\Program Files\Git\bin\git.exe rev-list --no-walk 67379df48dc9075a692a2e8cf3062b5d4db33a6e # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Compiler test)
[Pipeline] echo
Ejecucion automatizada
[Pipeline] sh
+ ./gradlew clean build -x test
Starting a Gradle Daemon, 1 incompatible and 3 stopped Daemons could not be reused, use --status for details
> Task :cleanReports
> Task :clean
> Task :compileJava
> Task :processResources NO-SOURCE
> Task :classes
> Task :jar
> Task :assemble

```

```

> Task :checkOutcomes
Checking serenity results for null in directory C:\Windows\System32\config\systemprofile\AppData\Local\Jenkins\.jenkins\workspace\ConsumoServicioRest_main\target\site\serenity

> Task :check
> Task :build

Deprecated Gradle features were used in this build, making it incompatible with Gradle 5.0.
Use '--warning-mode all' to show the individual deprecation warnings.
See https://docs.gradle.org/4.10/userguide/command\_line\_interface.html#sec:command\_line\_warnings


BUILD SUCCESSFUL in 21s
5 actionable tasks: 5 executed
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

```

## Generación de notificaciones dentro de Jenkins para el seguimiento de las ejecuciones dentro del mismo.

Se realiza el proceso de notificación haciendo uso del servidor SMTP gratuito de Gmail, y se configuro la función Post en el Jenkinsfile con el mail destinatario de pruebas.

Se completo el pipeline: ConsumoServicioRest » main #5 Recibidos x

 address not configured yet <yanierme@gmail.com> 10:08 (hace 8 minutos) ☆ ↶ ⋮

para mi

Se ha terminado la compilaci n, por favor revisa: <http://127.0.0.1:8080/job/ConsumoServicioRest/job/main/5/>

Responder Reenviar

**Jenkins** search admin log out

Dashboard > ConsumoServicioRest > main > #5 > Pipeline Steps

Step	Arguments	Status
Start of Pipeline - (25 sec in block)		
Allocate node : Start - (25 sec in block)		
Allocate node : Body : Start - (25 sec in block)		
Stage : Start - (1.4 sec in block)	Declarative: Checkout SCM	
Declarative: Checkout SCM - (1.3 sec in block)		
Check out from version control - (1.2 sec in self)		
Set environment variables : Start - (24 sec in block)	GIT_BRANCH, GIT_COMMIT, GIT_PREVIOUS_COMMIT, GIT_PREVIOUS_SUCCESSFUL_COMMIT, GIT_URL	
Set environment variables : Body : Start - (23 sec in block)		
Stage : Start - (21 sec in block)	Compiler test	
Compiler test - (21 sec in block)		
Print Message - (20 ms in self)	Ejecucion automaticadddd	
Shell Script - (21 sec in self)	./gradlew clean build -x test	
Stage : Start - (2.1 sec in block)	Declarative: Post Actions	
Declarative: Post Actions - (2.1 sec in block)		
Mail - (2 sec in self)	Se completo el pipeline: ConsumoServicioRest » main #5	