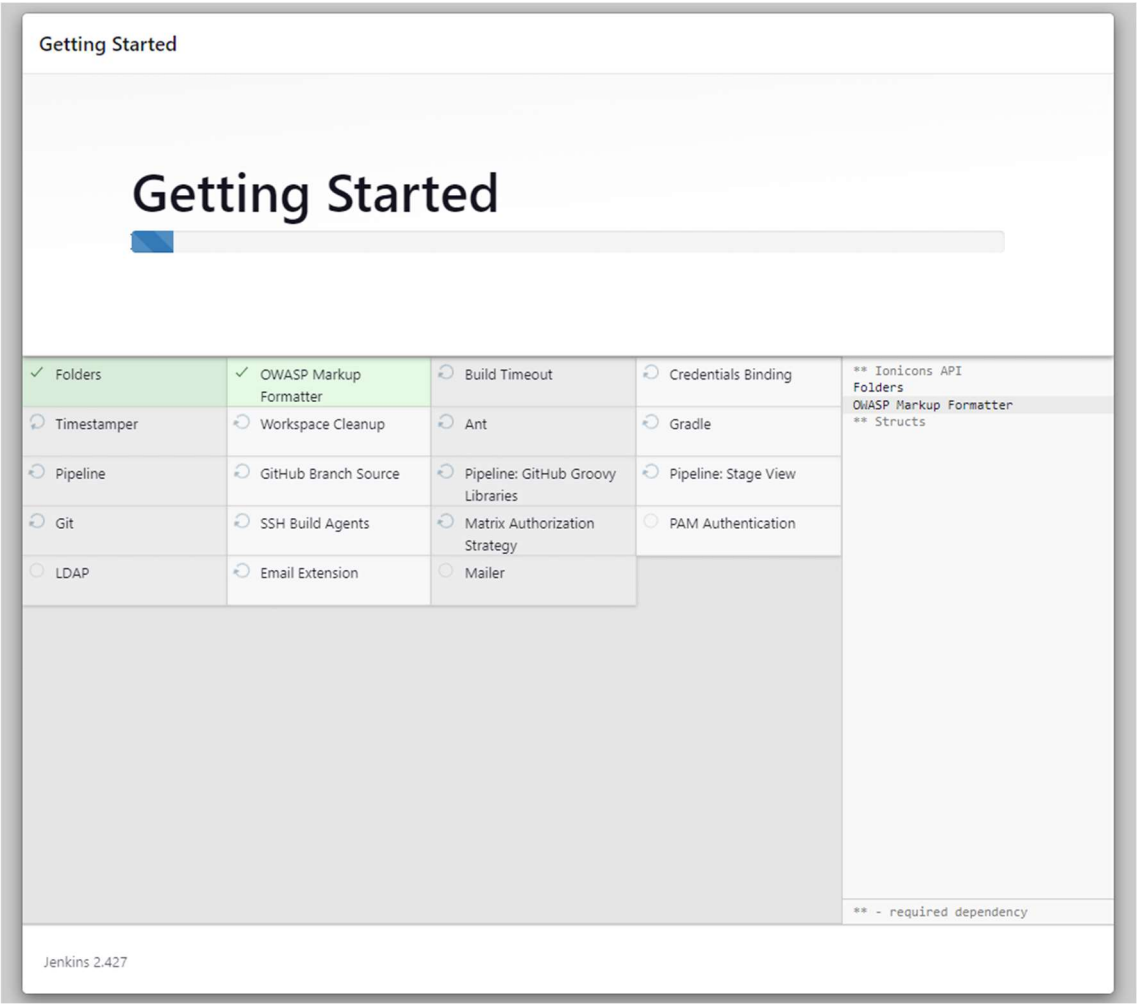
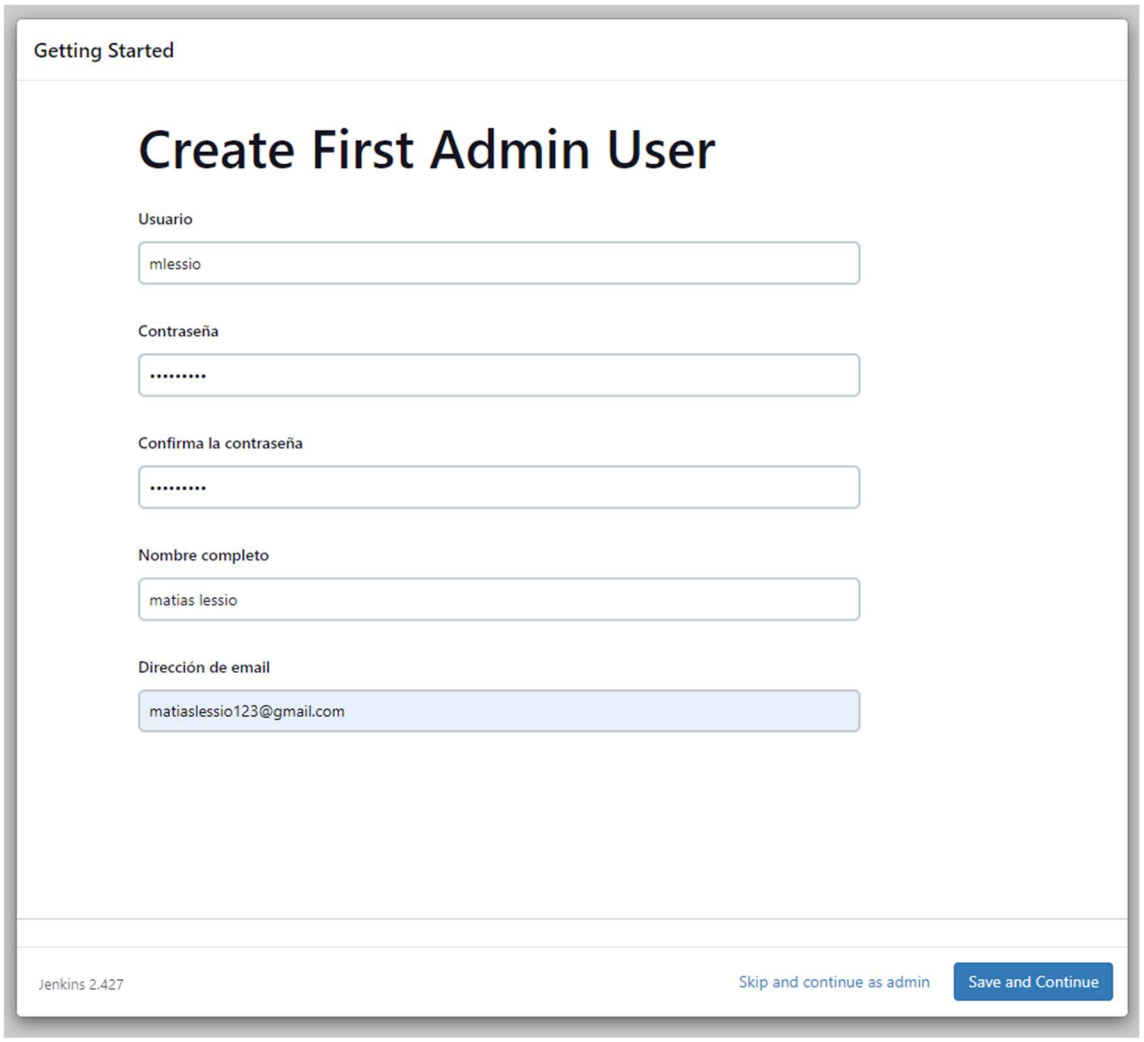
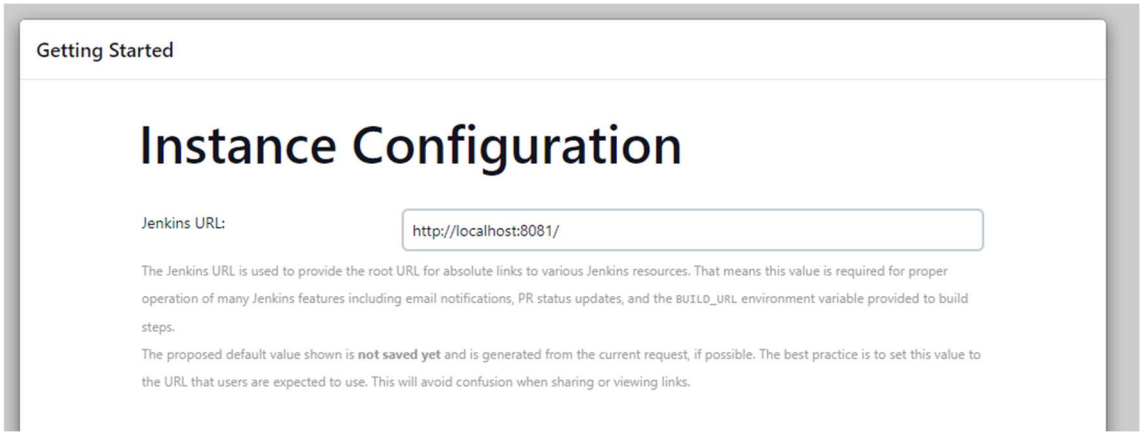
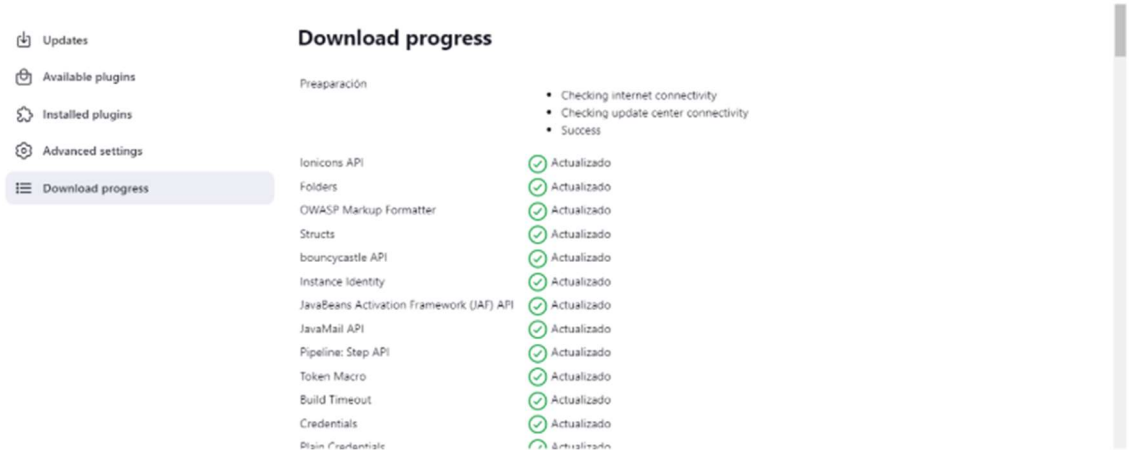
```
D:\Facu\ingsw3\IngenieriaDeSoftware3\TP7>docker build -t jenkins-with-dotnetcore -f Dockerfile.jenkins .
[+] Building 13.0s (4/8)                                                                                    docker:default
 => [internal] load .dockerignore                                                                                     0.1s
 => => transferring context: 2B                                                                                       0.0s
 => [internal] load build definition from Dockerfile.jenkins                                                          0.1s
 => => transferring dockerfile: 570B                                                                                  0.0s
 => [internal] load metadata for docker.io/jenkins/jenkins:lts                                                        3.4s
 => [auth] jenkins/jenkins:pull token for registry-1.docker.io                                                        0.0s
 => [1/4] FROM docker.io/jenkins/jenkins:lts@sha256:b705323eaf70a7da4c1eed8b816f33dff2d5c8c3671170a2c17cf77aa4f15  9.5s
 => => resolve docker.io/jenkins/jenkins:lts@sha256:b705323eaf70a7da4c1eed8b816f33dff2d5c8c3671170a2c17cf77aa4f15  0.0s
 => => sha256:3d0d48f61941fc7cb5253b07efd932d06ee6e335445f6f535ac3d1d49e385a7e 12.62kB / 12.62kB                      0.0s
 => => sha256:b705323eaf70a7da4c1eed8b816f33dff2d5c8c3671170a2c17cf77aa4f15432 3.12kB / 3.12kB                        0.0s
 => => sha256:012c0b3e998c1a0c0bedcf712eaaafb188580529dd026a04aa1ce13fdb39e42b 39.85MB / 49.56MB                      9.5s
 => => sha256:2a15645303916751e9fd781fd403051199d94052d5d18be6e1b2398aab1f79c1 2.77kB / 2.77kB                        0.0s
 => => sha256:f6154b0007a4a7dcee550de8b63ddbdf177961a972a33c54b2c4390dc4a873bf 34.60MB / 61.32MB                      9.5s
 => => sha256:5e0093fb8d5f36e86b93870a544e50bf21f3968e872f91ad0a2bc9abdc672472 8.68MB / 8.68MB                        3.5s
 => => sha256:34d3735955786e60f8bb8e7bd6fa2dfd7739dc047ba49c637c18a5d54b99d23c 1.23kB / 1.23kB                        4.1s
 => => sha256:10cad8b7dbf876c2afb6402c97060b77d723bd6838daef8c2fadab362864f768 183B / 183B                            4.6s
 => => sha256:2471c7529ac37af126ea6c1afad134f08afa5c684f7e10816e314d286ce7dc38 13.63MB / 89.33MB                      9.5s
```

```
$ docker run -d -p 8080:8080 -p 50000:50000 --name jenkins -v /c/jenkins:/var/jenkins_home jenkins-with-dotnetcore
ef02474c26a980d4a323a3a556ec2049497992321922eae66421e9657eafb6c3
```




Getting Started
Create First Admin User
Usuario
mlessio
Contraseña
Confirma la contraseña
Nombre completo
matias lessio
Dirección de email
matiaslessio123@gmail.com
Jenkins 2.427
Skip and continue as admin
Save and Continue


Getting Started
Instance Configuration
Jenkins URL:
http://localhost:8081/
The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the BUILD_URL environment variable provided to build steps.
The proposed default value shown is not saved yet and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.



Ej3

Build Steps

Ejecutar linea de comandos (shell)

Comando

Visualizar la lista de variables de entorno disponibles

```
# Obtén la fecha y hora actual en formato personalizado
current_datetime=$(date +"%Y-%m-%d %H:%M:%S")

# Imprime la fecha y hora actual utilizando el comando echo
echo "La fecha y hora actual es: $current_datetime"
```

Pipeline

Pipeline

Definition

Pipeline script

Script

Hello World

```
pipeline {
    agent any

    stages {
        stage('Hello') {
            steps {
                echo 'Hello World'
            }
        }
    }
}
```

Salida de consola

```
Started by user mlessio
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/jenkins_home/workspace/hello-world
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Hello)
[Pipeline] echo
Hello World
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

1) Inicio del pipeline
2) Se ejecuta un nodo de Jenkins
3) Se ejecuta el pipeline en un workspace llamado hello-world
4) Marca el comienzo del bloque principal del pipeline
5) El stage, define un escenario dentro del pipeline. Estos son etapas o pasos individuales que son componentes del proceso completo.
6) Inicia el escenario llamado “Hello”
7) El echo sirve para printear un mensaje en la consola
8) Se printea el “Hello World”
9) Finaliza la etapa
10) El //stage finaliza la etapa
11) El } cierra el bloque
12) “End of pipeline” marca el final del pipeline
13) Success significa que todos los pasos se ejecutaron correctamente sin errores

Pipeline

Definition

Pipeline script

Script ?

try sample Pipeline...

```
pipeline {
  agent any


  stages {
      stage('Build') {
          steps {
              // Get some code from a GitHub repository
              git branch: 'main', url: 'https://github.com/ingsoft3ucc/SimpleWebAPI'

          }
      }
  }
}
```

Salida de consola

```
Started by user matias lessio
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/jenkins_home/workspace/pipeline git
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] git
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/ingsoft3ucc/SimpleWebAPI
 > git init /var/jenkins_home/workspace/pipeline git # timeout=10
Fetching upstream changes from https://github.com/ingsoft3ucc/SimpleWebAPI
 > git --version # timeout=10
 > git --version # 'git version 2.39.2'
 > git fetch --tags --force --progress -- https://github.com/ingsoft3ucc/SimpleWebAPI +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git config remote.origin.url https://github.com/ingsoft3ucc/SimpleWebAPI # timeout=10
 > git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
 > git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 8726ce58a1894af134cd22fcfbc7eccb38ad9444 (refs/remotes/origin/main)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f 8726ce58a1894af134cd22fcfbc7eccb38ad9444 # timeout=10
 > git branch -a -v --no-abbrev # timeout=10
 > git checkout -b main 8726ce58a1894af134cd22fcfbc7eccb38ad9444 # timeout=10
Commit message: "Update WeatherForecastController.cs"
First time build. Skipping changelog.
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

Git

Repositories

Repository URL

https://github.com/ingsoft3ucc/SimpleWebAPI

Credentials

- none -

+ Add

Avanzado

Add Repository

Branches to build

Branch Specifier (blank for 'any')

*/main

Add Branch

Navegador del repositorio

Build Steps

.NET: Build project (build)

.NET SDK

(Default)

Project or Solution

SimpleWebAPI.sln

Targets

Configuration

Work Directory

Continue On Error

Errors Result in Unstable Build

Warnings Result in Unstable Build

More Options

.NET: Publish project (publish)

.NET SDK

(Default)

Project or Solution

SimpleWebAPI.sln

Configuration

Work Directory

Continue On Error

Errors Result in Unstable Build

Salida de consola

```
Started by user matias lessio
Running as SYSTEM
Building in workspace /var/jenkins_home/workspace/git-netcore-job
The recommended git tool is: NONE
using credential 6024301d-b998-40d7-a9c7-cd0b8f7b05e2
 > git rev-parse --resolve-git-dir /var/jenkins_home/workspace/git-netcore-job/.git # timeout=10
Fetching changes from the remote Git repository
 > git config remote.origin.url https://github.com/MatiasLessio/SimpleWebApi # timeout=10
Fetching upstream changes from https://github.com/MatiasLessio/SimpleWebApi
 > git --version # timeout=10
 > git --version # 'git version 2.39.2'
using GIT_ASKPASS to set credentials
 > git fetch --tags --force --progress -- https://github.com/MatiasLessio/SimpleWebApi +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision cdf5200c4bb0c6e28481834a20d292c791026d5a (refs/remotes/origin/main)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f cdf5200c4bb0c6e28481834a20d292c791026d5a # timeout=10
Commit message: "Add files via upload"
 > git rev-list --no-walk cdf5200c4bb0c6e28481834a20d292c791026d5a # timeout=10
[git-netcore-job] $ dotnet build SimpleWebAPI.sln
.NET Command Completed - Exit Code: -1

FATAL: Command execution failed.
java.io.IOException: error=2, No such file or directory
        at java.base/java.lang.ProcessImpl.forkAndExec(Native Method)
        at java.base/java.lang.ProcessImpl.<init>(ProcessImpl.java:314)
        at java.base/java.lang.ProcessImpl.start(ProcessImpl.java:244)
        at java.base/java.lang.ProcessBuilder.start(ProcessBuilder.java:1110)
Caused: java.io.IOException: Cannot run program "dotnet" (in directory "/var/jenkins_home/workspace/git-netcore-job"): error=2, No such file or directory
        at java.base/java.lang.ProcessBuilder.start(ProcessBuilder.java:1143)
        at java.base/java.lang.ProcessBuilder.start(ProcessBuilder.java:1073)
        at hudson.Proc$LocalProc.<init>(Proc.java:252)
        at hudson.Proc$LocalProc.<init>(Proc.java:221)
        at hudson.Launcher$LocalLauncher.launch(Launcher.java:994)
        at hudson.Launcher$ProcStarter.start(Launcher.java:506)
        at hudson.Launcher$ProcStarter.join(Launcher.java:517)
        at io.jenkins.plugins.dotnet.commands.Command.perform(Command.java:114)
        at hudson.tasks.BuildStepCompatibilityLayer.perform(BuildStepCompatibilityLayer.java:80)
        at hudson.tasks.BuildStepMonitor$1.perform(BuildStepMonitor.java:20)
        at hudson.model.AbstractBuild$AbstractBuildExecution.perform(AbstractBuild.java:818)
        at hudson.model.Build$BuildExecution.build(Build.java:199)
        at hudson.model.Build$BuildExecution.doRun(Build.java:164)
        at hudson.model.AbstractBuild$AbstractBuildExecution.run(AbstractBuild.java:526)
        at hudson.model.Run.execute(Run.java:1895)
        at hudson.model.FreeStyleBuild.run(FreeStyleBuild.java:44)
        at hudson.model.ResourceController.execute(ResourceController.java:101)
        at hudson.model.Executor.run(Executor.java:442)
ERROR: Command execution failed.
Finished: FAILURE
```

No lo pude hacer andar :C