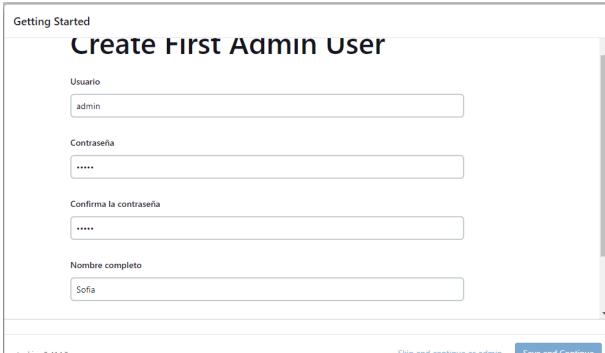
TP 7 - Servidor de Build

Instalar Jenkins

```
OPEN EDITORS
                               FROM jenkins/jenkins:lts
× 🔷 Dockerfile.jenkins
          ほけり
Dockerfile.jenkins
                               # Instala dependencias necesarias
                               RUN apt-get update && apt-get install -y \
                                  apt-transport-https \
                                   software-properties-common \
                                   wget
                               RUN wget -q https://packages.microsoft.com/config/ubuntu/20.04/packages-microsoft-prod.deb
                                  dpkg -i packages-microsoft-prod.deb && \
                                  apt-get update
                               RUN apt-get install -y dotnet-sdk-7.0
                               USER ienkins
```

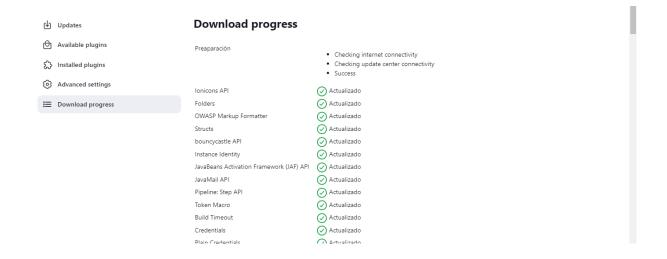
Getting Started				
Getting Started				
✓ Folders	OWASP Markup Formatter	Build Timeout	O Credentials Binding	** Ionicons API Folders OWASP Markup Formatter
○ Timestamper	○ Workspace Cleanup	O Ant	Q Gradle	ONAST THE KUP TO THE CELL
○ Pipeline	GitHub Branch Source	Pipeline: GitHub Groovy Libraries	Pipeline: Stage View	
O Git	O SSH Build Agents	Matrix Authorization Strategy	O PAM Authentication	
CLDAP	Email Extension	O Mailer		
				** - required dependency
Jenkins 2.414.2				



Jenkins 2.414.2

Skip and continue as admin

Save and Continue



Creando el primer job de estilo libre



```
Started by user sofia
Running as SYSTEM
Building in workspace /var/jenkins_home/workspace/first-job
[first-job] $ /bin/sh -xe /tmp/jenkins17558783538348060884.sh
+ date +%Y-%m-%d %H:%M:%5
+ current_datetime=2023-10-06 18:45:07
+ echo La fecha y hora actual es: 2023-10-06 18:45:07
La fecha y hora actual es: 2023-10-06 18:45:07
Finished: SUCCESS
```

Creando el primer Pipeline Job

Salida de consola

```
Started by user sofia
[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] // stage
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

Explicación del pipeline:

"Started by user sofia": Muestra quién inició la ejecución del pipeline.

"[Pipeline] Start of Pipeline": Indica el inicio del pipeline.

"[Pipeline] node": Muestra que se está ejecutando en un nodo.

"Running on Jenkins in /var/jenkins_home/workspace/hello-world": Indica que el pipeline se está ejecutando en un entorno de Jenkins en el directorio de trabajo especificado.

"[Pipeline] {": Indica el inicio de un bloque de código dentro del pipeline.

"[Pipeline] stage": Este es el comienzo de una etapa dentro del pipeline. Las etapas son unidades lógicas de trabajo en el pipeline.

"[Pipeline] { (Hello)": Esto muestra el nombre de la etapa actual, que se llama "Hello".

"[Pipeline] echo": Indica que se está utilizando el comando "echo" para imprimir algo en la consola.

"Hello World": Aquí se muestra el mensaje "Hello World" que se ha impreso en la consola como parte de la etapa "Hello".

"[Pipeline] }": Marca el final de la etapa "Hello".

"[Pipeline] // stage": Indica el final de la etapa actual.

"[Pipeline] }": Marca el final del bloque de código dentro del pipeline.

"[Pipeline] // node": Indica el final del nodo actual en el que se está ejecutando el pipeline.

"[Pipeline] End of Pipeline": Marca el final del pipeline.

"Finished: SUCCESS": Esto indica que la ejecución del pipeline se ha completado exitosamente.

Pipeline job "github-job"



Salida de consola

```
Started by user sofia
 [Pipeline] Start of Pipeline
 [Pipeline] node
 Running on Jenkins in /var/jenkins_home/workspace/github-job
 [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/github-job # 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/* #
  > 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] // stage
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

Job de "git-netcore"

```
Started by user sofia
Running as SYSTEM
Building in workspace /var/jenkins_home/workspace/git-netcore-job
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/sofiacersofios/SimpleWebAPI
 > git init /var/jenkins_home/workspace/git-netcore-job # timeout=10
Fetching upstream changes from https://github.com/sofiacersofios/SimpleWebAPI
> git --version # timeout=10
 > git --version # 'git version 2.39.2'
 > git fetch --tags --force --progress -- https://github.com/sofiacersofios/SimpleWebAPI +refs/heads/*:refs/remotes/origin/*
# timeout=10
> git config remote.origin.url https://github.com/sofiacersofios/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 efcf73cd6c34bd7e6a281a642d8b8971e8a2cdce (refs/remotes/origin/main)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f efcf73cd6c34bd7e6a281a642d8b8971e8a2cdce # timeout=10
Commit message: "Update README.md"
First time build. Skipping changelog.
[git-netcore-job] $ dotnet build SimpleWebAPI.sln
Welcome to .NET 7.0!
SDK Version: 7.0.401
Write your first app: https://aka.ms/dotnet-hello-world
 Find out what's new: https://aka.ms/dotnet-whats-new
 Explore documentation: https://aka.ms/dotnet-docs
 Report issues and find source on GitHub: https://github.com/dotnet/core
 Use 'dotnet --help' to see available commands or visit: https://aka.ms/dotnet-cli
 MSBuild version 17.7.3+8ec440e68 for .NET
  Determining projects to restore...
  Restored /var/jenkins_home/workspace/git-netcore-job/SimpleWebAPI/SimpleWebAPI.csproj (in 18.3 sec).
  SimpleWebAPI -> /var/jenkins home/workspace/git-netcore-job/SimpleWebAPI/bin/Debug/net7.0/SimpleWebAPI.dll
 Build succeeded.
    0 Warning(s)
     0 Error(s)
 Time Elapsed 00:00:36.82
 .NET Command Completed - Exit Code: 0
 [git-netcore-job] $ dotnet publish SimpleWebAPI.sln --self-contained false
 MSBuild version 17.7.3+8ec440e68 for .NET
  Determining projects to restore...
  All projects are up-to-date for restore.
  SimpleWebAPI -> /var/jenkins_home/workspace/git-netcore-job/SimpleWebAPI/bin/Debug/net7.0/SimpleWebAPI.dll
  SimpleWebAPI -> /var/jenkins_home/workspace/git-netcore-job/SimpleWebAPI/bin/Debug/net7.0/publish/
 .NET Command Completed - Exit Code: 0
 Finished: SUCCESS
```

Cambios en el README

Ompilar #2 (16 oct. 2023 14:31:52)

Conservar esta ejecución para siempre

Comenzó hace 2 Min 4 Seg Tardó **24 Seg**

añadir descripción



Changes

1. Update README.md (details / githubweb)



Ejecutado porque se detectaron cambios en el repositorio



Revision: cd002f257fc16cf030b63762587564bfbc9e5a9d Repository: https://github.com/sofiacersofios/SimpleWebAPI

· refs/remotes/origin/main



Summary

1. Update README.md (details)

Commit cd002f257fc16cf030b63762587564bfbc9e5a9d by noreply

Update README.md

README.md (diff)

WebHook: El trabajo se dispara automáticamente en respuesta a un evento específico, como la confirmación de un cambio en el repositorio. Esto significa que el trabajo se ejecuta solo cuando hay cambios, lo que ahorra recursos y tiempo de ejecución.

Ejecución Periódica: El trabajo se programa para ejecutarse en intervalos regulares, por ejemplo, cada hora o cada día. No está vinculado a eventos específicos en el repositorio, se ejecuta según el cronograma establecido. Esto puede ser menos eficiente que usar un WebHook.

Job de Node.js

Configurar el origen del código fuente Ninguno Git ? Repositories ? Repository URL ? https://github.com/sofiacersofios/my-app Credentials ? - none Add ~ Avanzado ~

Build Steps



Salida de consola

```
Started by user sofia
Running as SYSTEM
Building in workspace /var/jenkins_home/workspace/node-job
The recommended git tool is: NONE
using credential 1b34eb32-c0b2-4532-b9f4-9daf441280d3
> git rev-parse --resolve-git-dir /var/jenkins_home/workspace/node-job/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/sofiacersofios/my-app # timeout=10
Fetching upstream changes from https://github.com/sofiacersofios/my-app
 > 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/sofiacersofios/my-app +refs/heads/*:refs/remotes/origin/* #
timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 4d306d258523168e2246b152c82e1d2fe9dce32e (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 4d306d258523168e2246b152c82e1d2fe9dce32e # timeout=10
Commit message: "cambios"
First time build. Skipping changelog.
Finished: SUCCESS
```