

# **SOFTWARE ENGINEERING II**

## **CONTINUOUS INTEGRATION**

**Date:** 29/07/2020

**Team:** W5

**Members:**

Daniel Garcia Baño

David Neira Martrus

Jorge Pinargote Figueroa

Milton Garcia Cox

**2020 1S – P01**

## Introduction:

Continuous integration is a software development practice where a new code is joined to an existing code that is hosted in a repository. The union of codes comes with automatic execution of tests to ensure its correct operation[1] The goal of continuous integration is to quickly detect and locate bugs, so reduce the time to fix and improve the software, and that updates are available as soon as possible. To carry out this workshop, you must use Jenkins as a continuous integration tool. Jenkins is Open Source and runs as a server on the host machine; In addition, it has numerous plugins that increase its capabilities. Additionally, you must use Ngrok, which is a tool that allows exposing a local url to a public url. For this workshop, Jenkins will run locally on your computer, by uploading the changes to our remote repository hosted on Github, it will be able to send a response to our server, so it is necessary to have a public url to expose our local server to the internet. Here Ngrok intervenes that will act as a communication bridge between Github and Jenkins.

## Development:

```
C:\Users\david\Downloads\ngrok.exe - ngrok http 8080
ngrok by @inconshreveable

Session Status      online
Account             David Neira (Plan: Free)
Version             2.3.35
Region              United States (us)
Web Interface        http://127.0.0.1:4040
Forwarding           http://18da2210c7a5.ngrok.io -> http://localhost:8080
Forwarding           https://18da2210c7a5.ngrok.io -> http://localhost:8080

Connections          ttl    opn    rt1    rt5    p50    p90
                    1      0      0.00   0.00   6.75   6.75

HTTP Requests
-----
POST /github-webhook/ 200 OK
```

## Webhooks

Add webhook



Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).

✓ <http://18da2210c7a5.ngrok.io/github-webhook/> (push)

Edit Delete

# Proyecto Continuous Integration

-  Estado Actual
-  Cambios
-  Zona de Trabajo
-  Construir ahora
-  Borrar Proyecto
-  Configurar
-  GitHub Hook Log
-  GitHub
-  Rename
-  Test Results Analyzer

-  [Espacio de trabajo](#)
-  [Cambios recientes](#)

## Enlaces permanentes


**Historia de tareas**
[Tendencia](#)



#10

03-ago-2020 12:36 CDT





 [añadir descripción](#)

| <div> <div>Todo</div> <div>+</div> </div>   |   |  |              |              |                 |
|---|---|--|--------------|--------------|-----------------|
| S   | W   | Nombre ↓                               | Último Éxito | Último Fallo | Última Duración |
|  |  | <a href="#">Continuous Integration</a> | N/D          | N/D          | N/D             |

Icono: [S](#) [M](#) [L](#)

[Guía de iconos](#)
 [Atom feed para todos](#)
 [Atom feed para fallas](#)
 [Atom feed para los más recientes](#)