



ROBORREGOS

TALLER DE GITHUB

Presented by: Roborregos



git

- Git es un sistema de control de versiones.
- Git te ayuda a realizar un seguimiento de los cambios en el código.
- Git es usado para colaborar simultáneamente en código.



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GitHub

- Git no es lo mismo que GitHub.
- GitHub hace herramientas que usan git.
- GitHub es el host de código fuente más grande del mundo

Existen otras plataformas que utilizan git:

- Bitbucket
- Sourcetree



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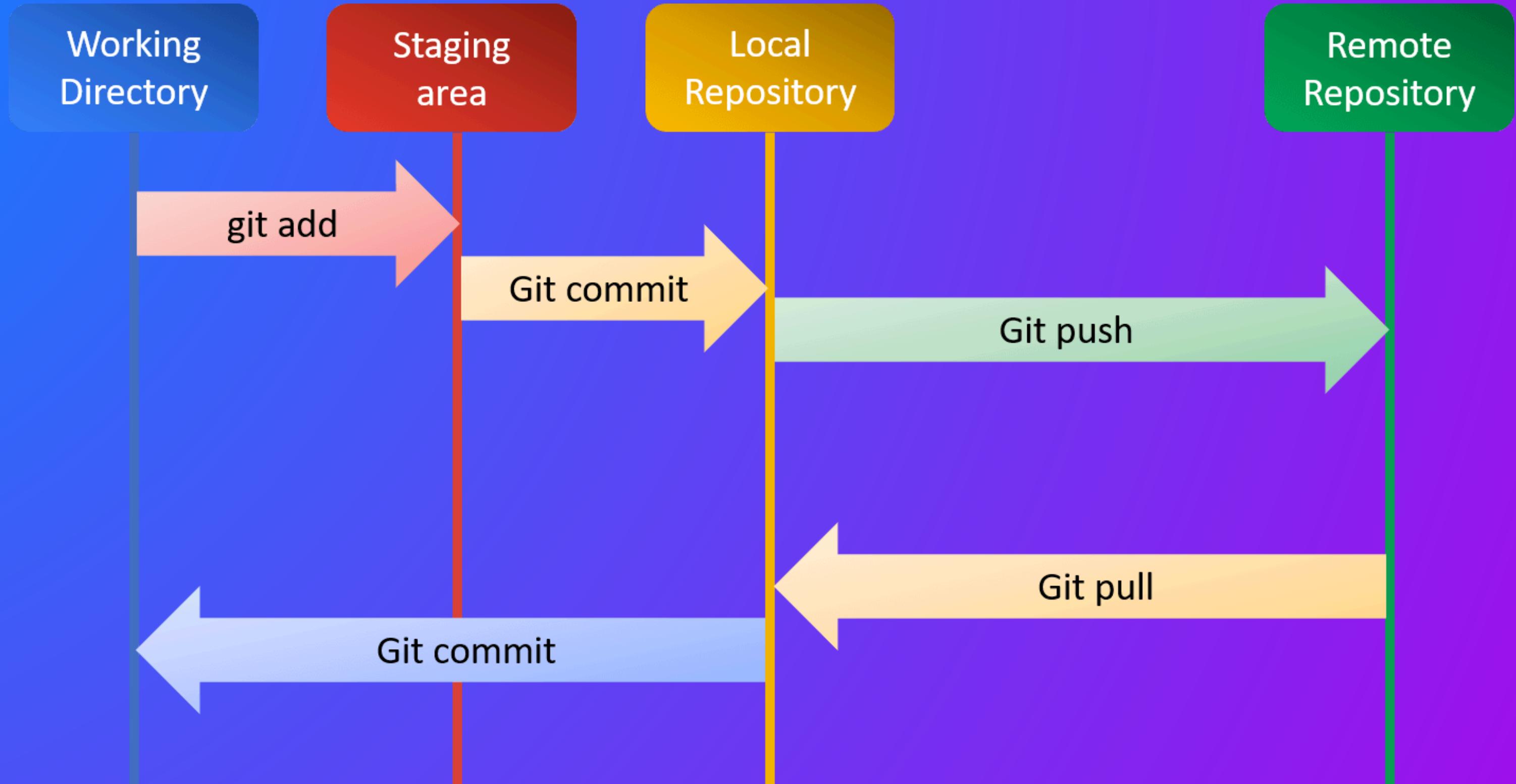




Temas de hoy

- **Instalar git**
- **Configurar git**
- **Iniciar sesión en GitHub**
- **Crear un repositorio**
- **Comandos básicos de git**
- **Ejercicio práctica**
- **Convenciones en GitHub**
- **Issues y manejo de proyectos**
- **Open Source community**
- **GitHub Pages**





Instalar git

- Entrar a <https://git-scm.com/> o git install
- Seguir las instrucciones de instalación

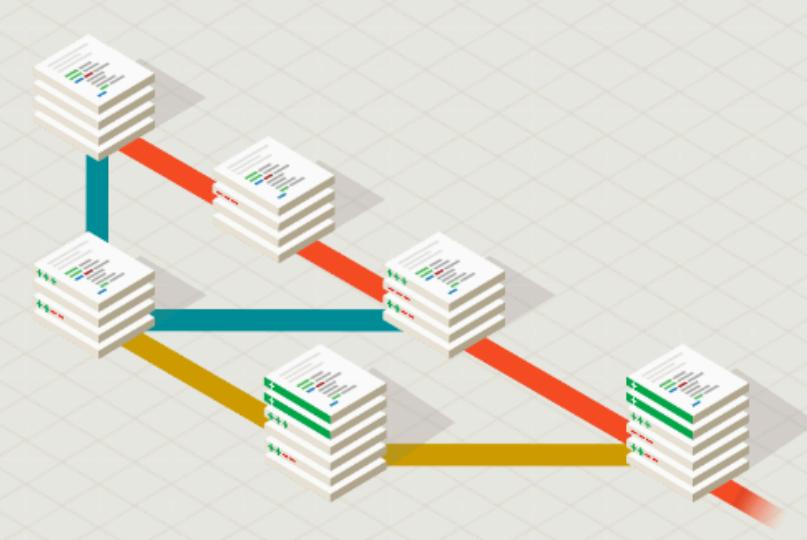


git --local-branching-on-the-cheap

Search entire site...

Git is a **free and open source** distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

Git is **easy to learn** and has a **tiny footprint with lightning fast performance**. It outclasses SCM tools like Subversion, CVS, Perforce, and ClearCase with features like **cheap local branching**, **convenient staging areas**, and **multiple workflows**.



About
The advantages of Git compared to other source control systems.

Documentation
Command reference pages, Pro Git book content, videos and other material.

Downloads
GUI clients and binary releases for all major platforms.

Community
Get involved! Bug reporting, mailing list, chat, development and more.

Latest source Release
2.45.1
Release Notes (2024-04-29)
Download for Windows



Instalar git

- Comprobar la instalación de git en la terminal o cmd

```
● ● ●  
git --version  
git version 2.37.1.windows.1
```

Configurar git



"global" se utiliza para configurar el usuario y correo en todos tus repositorios de código

```
● ● ●  
git config --global user.name "usuario-test"  
git config --global user.email "test@correo.com"
```



Crear un folder de git



```
mkdir nuevo-proyecto  
cd nuevo-proyecto
```



"mkdir" crea un nuevo directorio
"cd" cambiamos a un nuevo
directorio

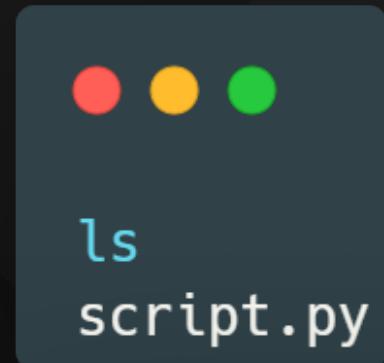
Iniciar git



```
git init
```

Crear nuestro primer archivo

- Navegar a la carpeta del repositorio que creamos. Abrirla en VS Code
- Crear un nuevo archivo, por ejemplo “script.py”
- Ahora si vamos a nuestra terminal



“ls” lista los archivos en un directorio

- Checar status para ver que podemos agregar a nuestro repositorio

```
● ● ●

git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    script.py

nothing added to commit but untracked files present (use "git add" to track)
```



Manejo de commits y estructura

- Para manejar los avances que tenemos en nuestro trabajo de forma ordenada es necesario hacer comits.
- Para crear un commit primero debemos de agregar nuestras modificaciones de la siguiente forma.

```
● ● ●  
#Add untracked files and ignore gitignore files  
git add -A  
#Add all  
git add .  
#Add specific file  
git add <File_Name>
```



Hacer commit a cambios hechos

- Despues de haber añadido los cambios del working tree es necesario hacer un commit
- Para crear un commit se hace de la siguiente manera



```
#Create commit with message  
git commit -m "Message of commit"  
#Add modified files and commit at the same time  
git commit -a -m "Message of commit"  
#Commit only a specific modified file  
git commit -m "Message of commit " <File_Name>
```



MOSTRAR COMMITS Y DIFERENCIAS

- Para mostrar cuales han sido nuestros commits y la informacion de estos se puede hacer con un comando de git
- De igual forma si queremos ver diferencias en los cambios de los archivos respecto

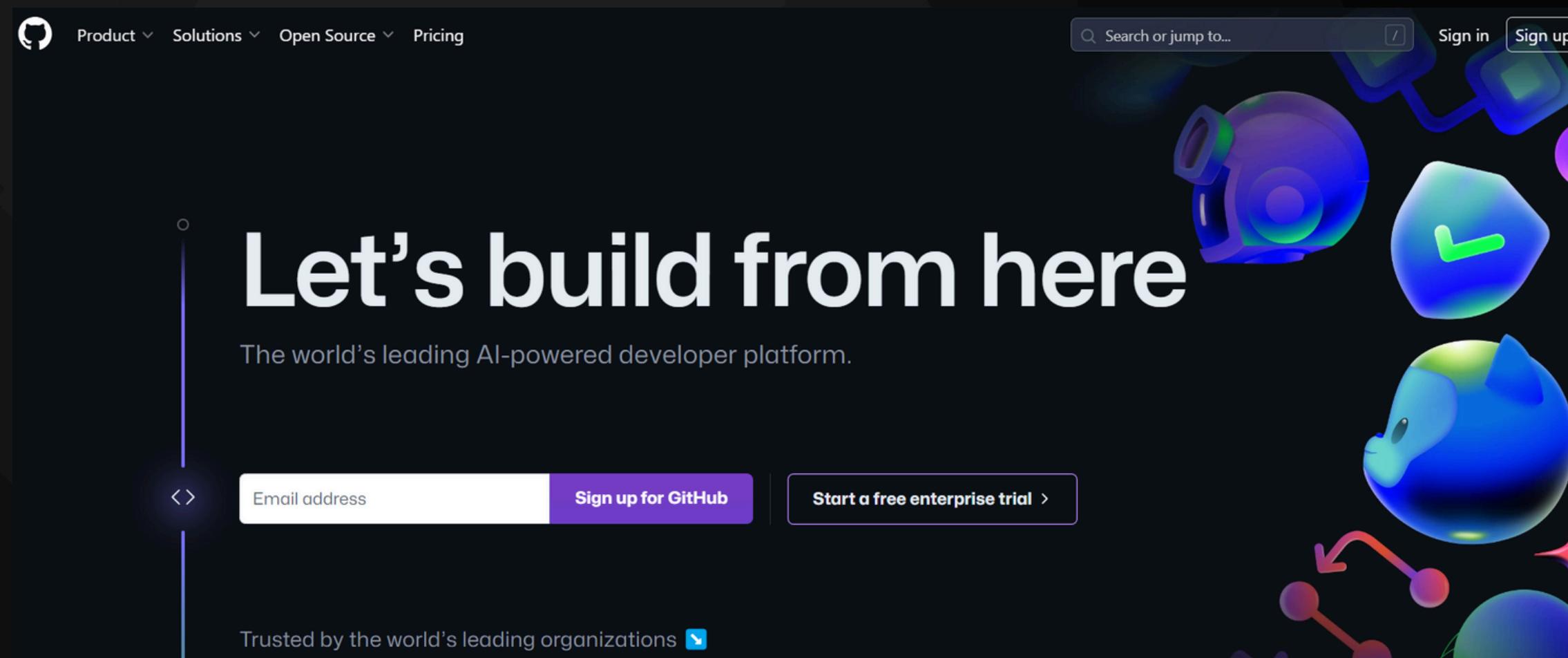
```
● ● ●  
#Shows information of commits  
git log  
#Shows hash and name of commits  
git log --oneline  
#Shows only the X commits before HEAD  
git log -nX
```

```
● ● ●  
#Shows changes of the last commit  
git diff  
#Shows changes with the HEAD~X commit  
git diff HEAD^ #HEAD~X
```



Iniciar sesión en GitHub

- Ingresar a <https://github.com/> y crear una cuenta en caso de no tenerla. Usar el mismo correo con el que iniciamos en git.





Crear un repositorio en GitHub

The screenshot shows the GitHub Home page with a user profile for JocelynVelarde. On the left, there's a sidebar with 'Top Repositories' and a search bar. The main area displays activity notifications and a featured repository for npm. A context menu is open on the right, listing options: New repository, Import repository, New codespace, New gist, New organization, and New project. The menu also includes a link to a 'Learn more' section and a 'Copilot Extensions now in Limited Public Beta' update at the bottom.

Dashboard

JocelynVelarde

New

Find a repository...

Top Repositories

RoBorregos/robocup-soccer-open-2024

JocelynVelarde/Resourcify

JocelynVelarde/SafeNav

JocelynVelarde/FinanceAI

JocelynVelarde/BT-Remodeling

Oscar6647/Stemist-Hack-2.0

G-Research/consuldotnet

Show more

Home

naskio followed 12 hours ago

npm npm JavaScript Package Manager, Registry & Website

342 repositories 2.5k followers

Follow

Oscar-gg starred a repository yesterday

rwth-acis/i5-Toolkit-for-Unity

A collection of common tools and features which can be reused in Unity projects

Send feedback Filter 8

Type / to search

New repository

Import repository

New codespace

New gist

New organization

New project

Copilot Extensions now in Limited Public Beta

Learn more

Latest changes

13 hours ago Copilot Extensions now in Limited Public Beta

2 days ago

Llenar campos

- Agregar un nombre al repositorio
- Escribir una descripción (opcional)
- Definir público o privado
- Agregar README
- Click en “Create repository”

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk ().*

Repository template

No template ▾

Start your repository with a template repository's contents.

Owner * JocelynVelarde / **Repository name *** curso-github

Great repository names are short and memorable. Need inspiration? How about [urban-broccoli](#) ?

Description (optional)

 **Public**
Anyone on the internet can see this repository. You choose who can commit.

 **Private**
You choose who can see and commit to this repository.

Initialize this repository with:

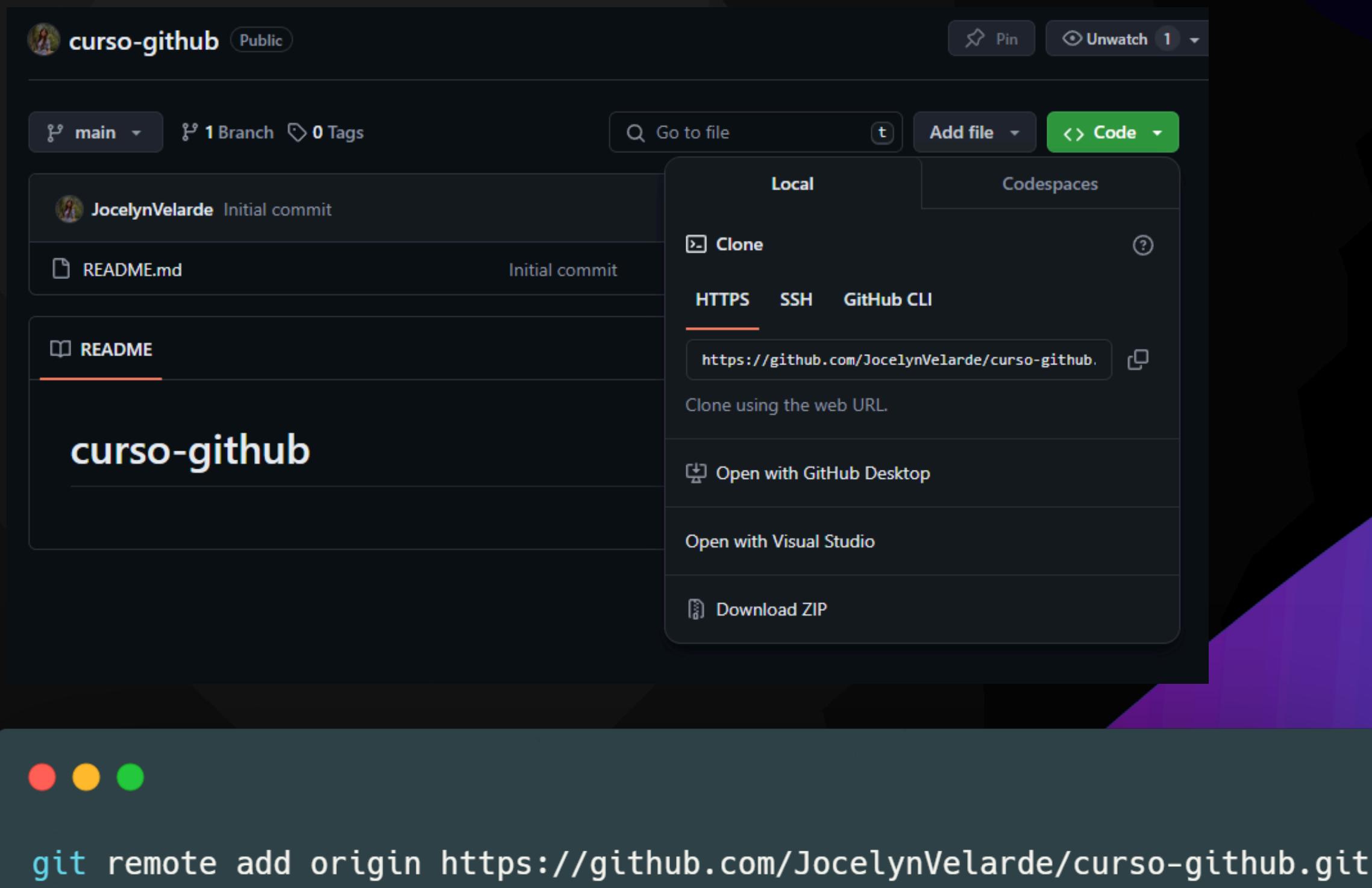
Add a README file
This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore

.gitignore template: None ▾

Agregar nuestro repositorio local

- Esto significa que agregaremos nuestro repositorio remoto de GitHub



curso-github Public

main 1 Branch 0 Tags

JocelynVelarde Initial commit

README.md Initial commit

README

curso-github

Clone

HTTPS SSH GitHub CLI

<https://github.com/JocelynVelarde/curso-github>

Clone using the web URL.

Open with GitHub Desktop

Open with Visual Studio

Download ZIP

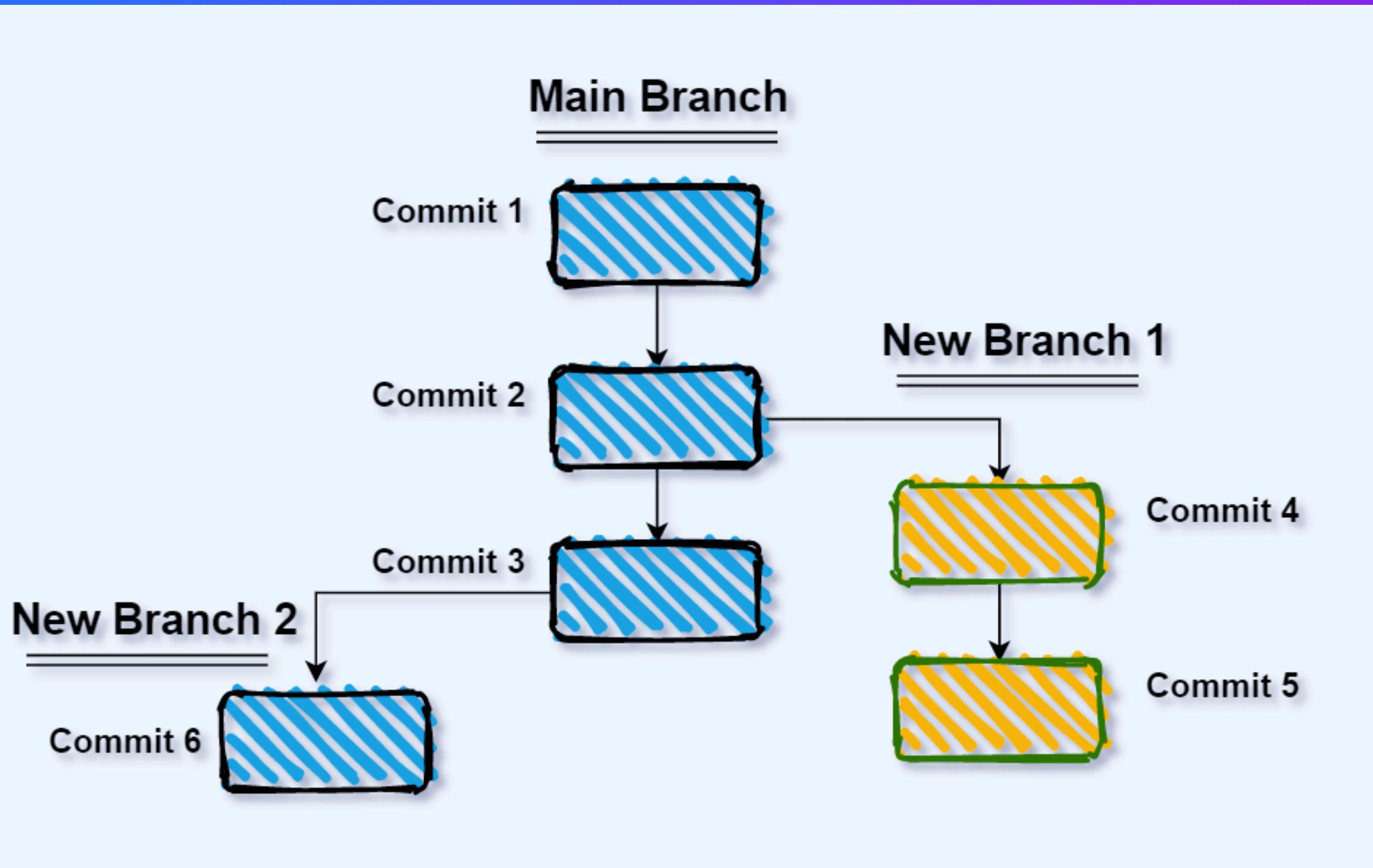
```
git remote add origin https://github.com/JocelynVelarde/curso-github.git
```

Hacer push para visualizar en GitHub

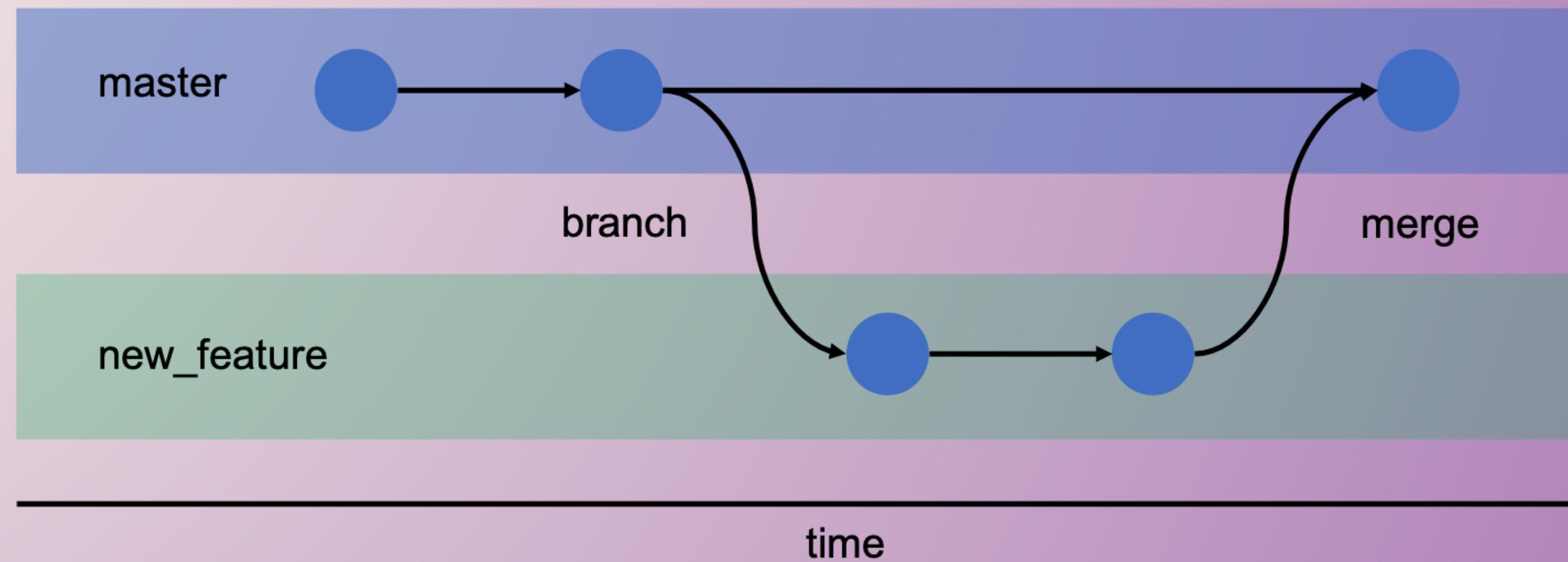


- Ahora ya estaremos mandando nuestro archivo para verlo en GitHub

```
git push --set-upstream origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 236 bytes | 236.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:     https://github.com/JocelynVelarde/curso-github/pull/new/master
remote:
To https://github.com/JocelynVelarde/curso-github.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
```



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Crear nueva branch

The screenshot shows a GitHub interface with a dark theme. On the left, a modal titled "Switch branches/tags" is open, displaying a search bar and a list of branches: "main" (selected) and "master". On the right, a larger modal titled "Create a branch" is open, showing the "New branch name" field containing "feature-jocelyn" and the "Source" field set to "main". A green "Create new branch" button is visible at the bottom right of the modal.

Switch branches/tags

Find or create a branch...

Branches Tags

✓ main default

master

View all branches

Create a branch

New branch name

feature-jocelyn

Source

main

Cancel Create new branch

Updated Check status



Actualizar repositorio local

- En VS Code hacer fetch para traer los nuevos cambios a nuestro entorno local

```
git fetch
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 872 bytes | 72.00 KiB/s, done.
From https://github.com/JocelynVelarde/curso-github
 * [new branch]      feature-jocelyn -> origin/feature-jocelyn
 * [new branch]      main           -> origin/main
```

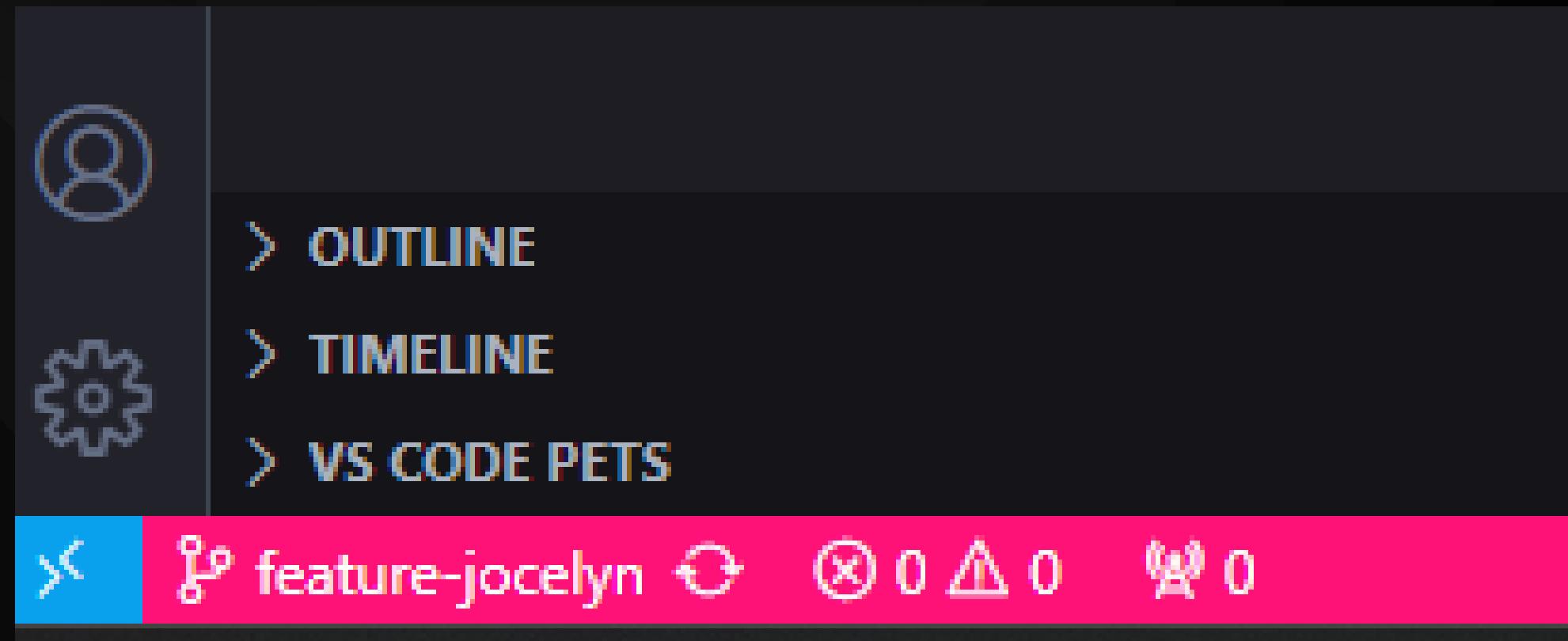


Verificar branch y hacer checkout

- Con checkout podemos cambiar entre distintas branches



```
git checkout feature-jocelyn
Switched to a new branch 'feature-jocelyn'
branch 'feature-jocelyn' set up to track 'origin/feature-jocelyn'.
```



Crear un nuevo archivo en la branch creada



- Creamos un segundo archivo. Por ejemplo “script-two”
- Hacer stage
- Hacer commit
- Hacer push

```
git add --all
git commit -m "added new script"
[feature-jocelyn a0ec46c] added new script
  1 file changed, 1 insertion(+)
   create mode 100644 script-two.py
git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 316 bytes | 158.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/JocelynVelarde/curso-github.git
  6f11e79..a0ec46c feature-jocelyn -> feature-jocelyn
```

The screenshot shows a GitHub repository interface. At the top, it displays the repository name 'curso-github' and its status as 'Public'. Below this, there are two notifications: one for the 'master' branch with recent pushes 27 minutes ago, and another for the 'feature-jocelyn' branch with recent pushes 1 minute ago. Both notifications have a 'Compare & pull request' button. The repository navigation bar includes 'main', '3 Branches', '0 Tags', a search bar ('Go to file'), and buttons for 'Add file' and 'Code'. The main content area shows a commit from 'JocelynVelarde' with the message 'Initial commit' and the commit hash '6f11e79' (34 minutes ago). Below it is another commit from 'feature-jocelyn' with the same message and hash 'a0ec46c'. At the bottom of the repository page, there is a section titled 'curso-github'.



Merge

- Debemos hacer un pull request cuando queremos modificar la main branch. Esto para mantener un control con los cambios del repositorio y agregar seguridad entre versiones.

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#). [Learn more about diff conflict resolution](#).

base: [main](#) ▾ compare: [feature-jocelyn](#) ▾ ✓ Able to merge. These branches can be automatically merged.

Add a title

Added new script

Add a description

Write Preview

Changes made
- created feature x that fixes x

Markdown is supported Paste, drop, or click to add files

Create pull request

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).



Merge

- Merge pull request
- Confirm merge

Add more commits by pushing to the [feature-jocelyn](#) branch on [JocelynVelarde/curso-github](#).

 **Require approval from specific reviewers before merging**
[Rulesets](#) ensure specific people approve pull requests before they're merged.

 **All checks have passed**
1 successful check

 **This branch has no conflicts with the base branch**
Merging can be performed automatically.

Merge pull request ▾ You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

 **Pull request successfully merged and closed**
You're all set—the [feature-jocelyn](#) branch can be safely deleted.

Delete branch

Resolve merge conflicts

- A veces cuando distintas personas colaboran en el mismo archivo pueden ocurrir conflictos entre las versiones



Ejercicio de práctica

- Ingresar a:
<https://github.com/RoBorregos/GitCourse>
- Los cambios se ven en:
<https://git-course-three.vercel.app/>



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Clonar repositorio



- Clonar el repositorio y crear una nueva branch como:
- nombre-feature
- Publicar branch



```
git clone https://github.com/RoBorregos/GitCourse.git  
git branch anahid-feature  
git checkout anahid-feature  
git push -u origin anahid-feature
```

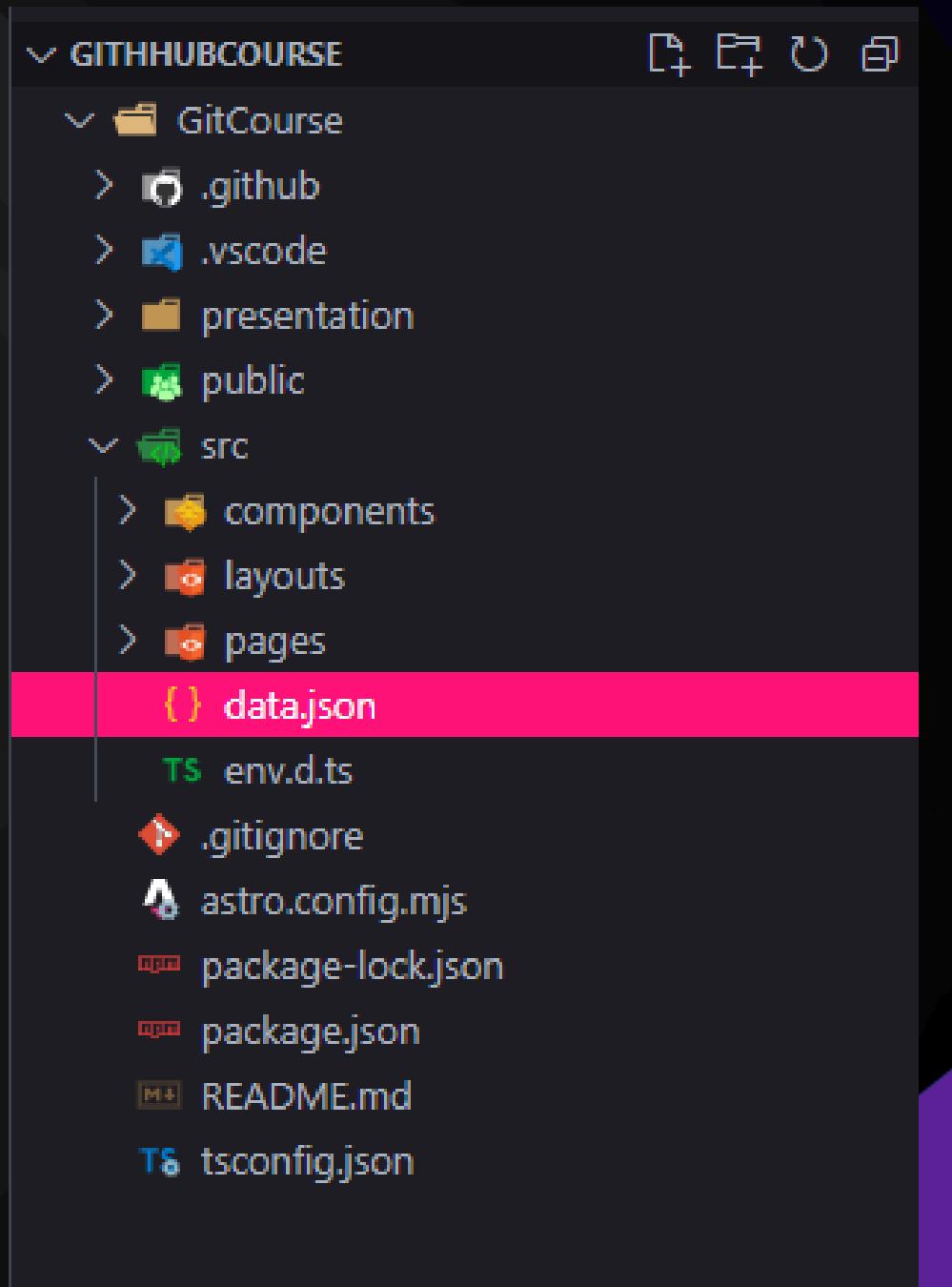
Ejercicio



Práctica para el curso de Git.

Agrega dentro del archivo **src/data.json** un nuevo objeto con tu nombre y tu animal favorito de la siguiente manera:

```
{"nombre": "Tu nombre", "animal": "Tu animal favorito"}
```



Hacer commit y pull request



```
git add --all  
git commit -m "added jocelyn feature"  
git push
```

Anahid feature #9

[Open](#)

JocelynVelarde wants to merge 64 commits into [IvanRomero03:main](#) from [RoBorregos:anahid-feature](#)

Conversation 0

Commits 64

Checks 1

Files changed 13



JocelynVelarde commented now

...

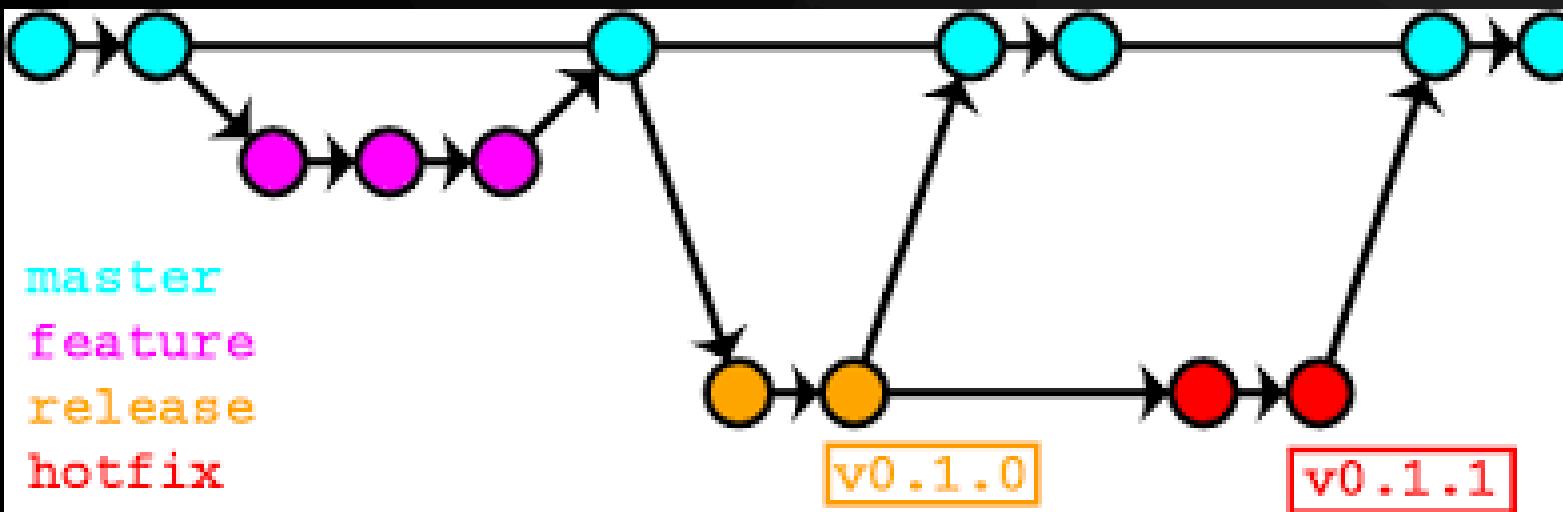
Changes made

- added jocelyn feature



Convenciones de uso

- Usar id que identifique la branch, usualmente es el id de un issue
 - 34-logo-alignment
- Usar hyphen para separar las palabras
- Mantener el nombre corto, conciso y en minúsculas
- Evitar que el nombre de la branch solo tenga números
- Evitar que el nombre sea muy largo



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Creación de issues

- Utilizados para saber qué aspectos a mejorar o bugs tiene el repositorio, para que otros programadores puedan colaborar.
- Ayudan a documentar el proceso de implementación de features, ya que podemos agregar: tags, personas asignadas, proyecto, milestones y branches de desarrollo asociadas.

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Shows branches and pull requests linked to this issue.

Helpful resources

[GitHub Community Guidelines](#)

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

Filters is:issue is:open

0 Open 0 Closed

Author ▾ Label ▾ Projects ▾ Milestones ▾ Assignee ▾ Sort ▾

Labels 9

Milestones 0

New issue



Vamos a crear un issue

FEATURE REQUEST: Update LAN Coordinates for a node (practice) #3

[Edit](#) [New issue](#)

Open JocelynVelarde opened this issue now · 0 comments



JocelynVelarde commented now

Owner

...

Is your feature request related to a problem? Please describe.

No

Assignees



JocelynVelarde

Describe the solution you'd like

Labels



[good first issue](#)

Add support to [Update LAN Coordinates for a node](#)

Projects



This endpoint updates the LAN network coordinates for a node in a given datacenter.

None yet

This API is supported in the Golang client ([1.9.17](#))

Milestone



No milestone

Describe alternatives you've considered

Development



Create a branch for this issue or link a pull request.

Nothing for the moment.

Notifications



Additional context

Nothing for the moment.

Customize

Asociar el issue con una branch



- Debemos crear una nueva branch utilizando las convenciones y despues hacer un pull request a main

```
git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
PS C:\Users\jvela\test1> git branch 3-read-lan-coordinates
PS C:\Users\jvela\test1> git checkout 3-read-lan-coordinates
Switched to branch '3-read-lan-coordinates'
PS C:\Users\jvela\test1> git add --all
PS C:\Users\jvela\test1> git commit -m "Fix #3 added list for coordinates"
[3-read-lan-coordinates 2ea2a05] Fix #3 added list for coordinates
 1 file changed, 1 insertion(+)
 create mode 100644 script-function.py
git push -u origin 3-read-lan-coordinates
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 378 bytes | 126.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for '3-read-lan-coordinates' on GitHub by visiting:
remote:     https://github.com/JocelynVelarde/curso-github/pull/new/3-read-lan-coordinates
remote:
To https://github.com/JocelynVelarde/curso-github.git
 * [new branch]      3-read-lan-coordinates -> 3-read-lan-coordinates
branch '3-read-lan-coordinates' set up to track 'origin/3-read-lan-coordinates'.
```



Crear un pull request

- Agregar el numero del issue y la link usando #

Fix #3 added list for coordinates #4

[Open](#) JocelynVelarde wants to merge 1 commit into [main](#) from [3-read-lan-coordinates](#) ⚙

Conversation 0 Commits 1 Checks 0 Files changed 1

JocelynVelarde commented now

Changes made

- added z to y

Issue ticket number and link

- Refers to: [FEATURE REQUEST: Update LAN Coordinates for a node \(practice\) #3](#)

Fix #3 added list for coordinates ✓ 2ea2a05

Add more commits by pushing to the [3-read-lan-coordinates](#) branch on [JocelynVelarde/curso-github](#).



En el issue asociamos la branch con la que hicimos pull request

Development

Successfully merging a pull request may close this issue.

Fix #3 added list for coordinates

JocelynVelarde/curso-github

Milestone

No milestone

Development

[JocelynVelarde/curso-github](#)

Link a branch, pull request, or create a branch

Search for branches or pull requests

- ✓ 3-read-lan-coordinates
#4 Fix #3 added list for coordinates
- feature-anahid
#2 Changes in script-two.py
- feature-jocelyn
#1 Added new script
- master
no pull request

Cancel Apply



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Hacer merge, el issue se cerrara automáticamente

0 Open ✓ 1 Closed

Author ▾ Label ▾ Projects ▾ Milestones ▾ Assignee ▾ Sort ▾

FEATURE REQUEST: Update LAN Coordinates for a node (practice) good first issue 1 

#3 by JocelynVelarde was closed now

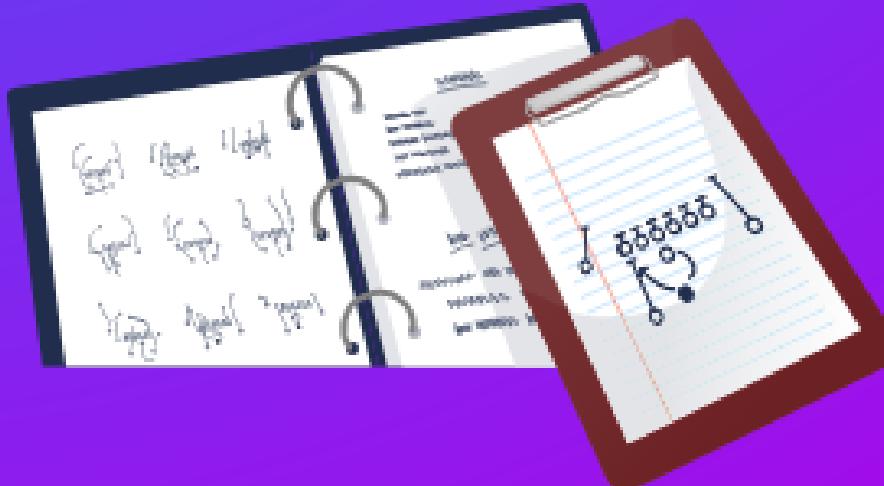
Comunidad Open Source



Open Source busca hacer los proyectos públicos y accesibles para que cualquier persona pueda contribuir, mejorarlos o crear nuevos proyectos en base a ellos.



Contribuir a Open Source es sencillo; sin embargo, es bueno conocer prácticas de GitHub para facilitar el proceso.



No necesariamente debes programar, también puedes escribir documentación, organizar el repositorio, responder preguntas.

Anatomía de un proyecto Open Source



- Contienen → Author, Owner, Maintainers, Contributors, Community Members
- Archivos → LICENSE, README, CONTRIBUTING, CODE_OF_CONDUCT
- Herramientas de GitHub → Issue, Pull requests, Discussion forums



Encontrar un proyecto



- Algunos ejemplos: TensorFlow, OpenCV, React-Native, DALL-E, YOLOv7, Flutter.
- Revisar la siguiente checklist para saber si el proyecto esta activo.
 - When was the latest commit?
 - How many contributors does the project have?
 - How often do people commit? (On GitHub, you can find this by clicking "Commits" in the top bar.)
 - How many open issues are there?
 - Do maintainers respond quickly to issues when they are opened?
 - Is there active discussion on the issues?
 - Are the issues recent?
 - Are issues getting closed? (On GitHub, click the "closed" tab on the Issues page to see closed issues.)
 - How many open pull requests are there?
 - Do maintainers respond quickly to pull requests when they are opened?
 - Is there active discussion on the pull requests?
 - Are the pull requests recent?
 - How recently were any pull requests merged? (On GitHub, click the "closed" tab on the Pull Requests page to see closed PRs.)

Buenas prácticas para contribuir



- Dar contexto

🤔 "X doesn't happen when I do Y"

😢 "X is broken! Please fix it."

- Investigar desde antes

🤔 "I'm not sure how to implement X. I checked the help docs and didn't find any mentions."

🤔 "How do I X?"

- Mantén tus preguntas y comentarios breves
- Sigue una comunicación pública

🤔 (as a comment) "@-maintainer Hi there! How should we proceed on this PR?"

🤔 (as an email) "Hey there, sorry to bother you over email, but I was wondering if you've had a chance to review my PR"

Fork para contribuir

- Una vez que encontramos un proyecto y un issue con el que queremos trabajar debemos hacer un fork y clonarlo para trabajar localmente.



Edit Pins Watch 0 Fork 0 Star 3

Create a new fork

A fork is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project.

Required fields are marked with an asterisk (*).

Owner * Repository name *

JocelynVelarde / robocup-soccer-open-2024

robocup-soccer-open-2024 is available.

By default, forks are named the same as their upstream repository. You can customize the name to distinguish it further.

Description (optional)

RoboCup Soccer Open

Copy the main branch only

Contribute back to RoBorregos/robocup-soccer-open-2024 by adding your own branch. [Learn more](#).

(i) You are creating a fork in your personal account.

Create fork



Ya podemos contribuir

- Crear una branch para el issue que escogimos
- Trabajar en esa branch
- Hacer PR a main, describir los cambios hechos
- Esperar a que un maintainer haga review para poder hacer merge a tus cambios

JocelynVelarde commented 2 weeks ago

Hello greetings! ☀
I adapted the commented test, basing myself on the already implemented one from the Consul codebase. Still, I can see that I have to create a `TerminatingGatewayConfigEntry` struct. Is this necessary? Also, I was wondering what is the difference between `Gateway_ingress` and `Gateway_terminating`

JocelynVelarde changed the title `list services gateway` to `List services gateway` 2 weeks ago

marcin-krystianc commented 2 weeks ago

`Gateway_terminating`
Hi,
I'm unsure, but perhaps there's no need to create a separate `TerminatingGatewayConfigEntry`. It might be possible to utilize the `AgentService` struct and assign the relevant `ServiceKind` value accordingly.
As for the difference between ingress and terminating gateways, please refer to the documentation (<https://developer.hashicorp.com/consul/docs/connect/gateways>).
For our testing purposes, registering any ingress and terminating gateway and then querying it should suffice.

GitHub Pages

- Te permite crear y hostear páginas web desde tu repositorio en GitHub.
- Útil para portafolio personal, documentación, demostración de proyectos.



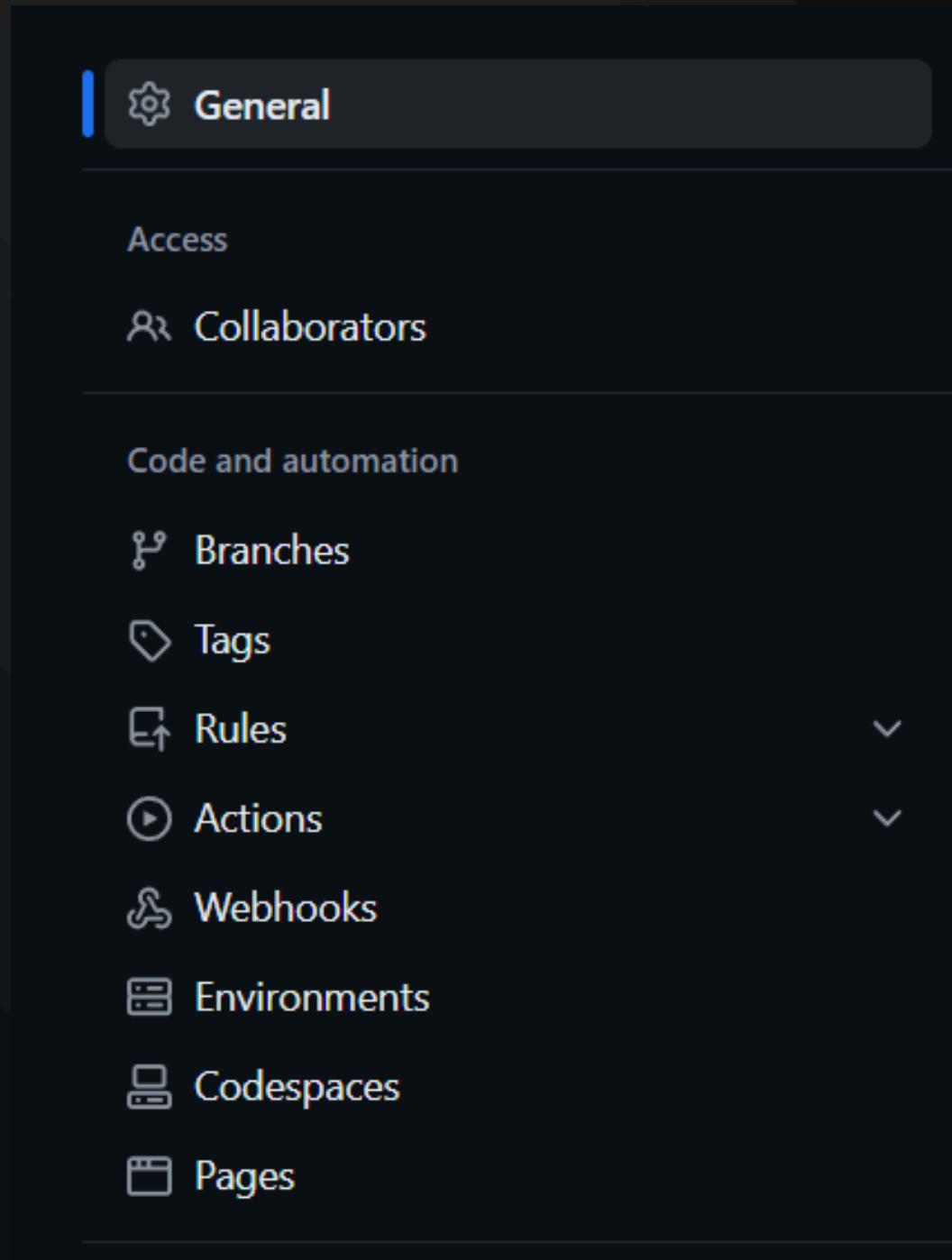
GitHub Page



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Inicio rápido

- Crear un repositorio nuevo
- Escribir “username-github-io” como nombre del repositorio
- En el repositorio hacer click en “Settings”
- Navegar a la sección “Pages”



Inicio rápido

- Seleccionar la branch de “main”



GitHub Pages

[GitHub Pages](#) is designed to host your personal, organization, or project pages from a GitHub repository.

Build and deployment

Source

Deploy from a branch ▾

Branch

GitHub Pages is currently disabled. Select a source below to enable GitHub Pages for this repository. [Learn more about configuring the publishing source for your site.](#)

main ▾

/ (root) ▾

Save

Select Branch

X

✓ main

None

Restrict access to your GitHub Pages site by publishing it privately. A privately

Inicio rápido



- El sitio ahora debe estar publicado en “username.github.io”. Si encuentran error 404, el sitio aún debe estar migrándose.
- El README es la página, por lo que si no tienen este archivo no podrán ver contenido

prueba Private

Unwatch 1 Fork 0 Star 0

main 1 Branch 0 Tags

Go to file Add file Code

JocelynVelarde Create README.md d03dd5b · 2 minutes ago 2 Commits

.gitignore Initial commit last month

README.md Create README.md 2 minutes ago

Readme Activity 0 stars 1 watching 0 forks

GitHub Page

About jocelynvelarde.github.io/prueba/ Releases Packages

No releases published Create a new release

Inicio rápido

- Podemos cambiar el título y agregar un tema a nuestra página.
- Modificamos el archivo .yml



[prueba / _config.yml](#) ⌂ ⌂ ...

 JocelynVelarde Create _config.yml ✓ 57edd95 · 1 minute ago ⏲ History

Code Blame 3 lines (3 loc) · 119 Bytes Raw ⌂ ⌂ ⌂ ⌂ ⌂ ⌂ ⌂ ⌂ ⌂

```
1 theme: jekyll-theme-minimal
2 title: Octocat's homepage
3 description: Bookmark this to keep an eye on my project updates!
```

Inicio rápido

- Nuestro sitio debería verse de la siguiente manera
- Para agregar más contenido y páginas buscar “Agregar contenido a tu sitio de Páginas de GitHub con Jekyll”



Octocat's homepage

Bookmark this to keep an eye on my project updates!

[View the Project on GitHub](#)
JocelynVelarde/prueba

GitHub Page

This project is maintained by
[JocelynVelarde](#)

Hosted on GitHub Pages — Theme by [orderedlist](#)



GRACIAS



@roborregos

