

Módulo 5: Despliegue del servicio y automatismos

Demostración de Proyecto Final

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				Calificación:	

Introducción:

Para demostrar que funciona el trigger del proyecto final, se realizó el presente documento.

Desarrollo:

Se realizó un cambio en el README con el editor Nano.

Luego se añadió al staging y se hizo commit al repositorio local.

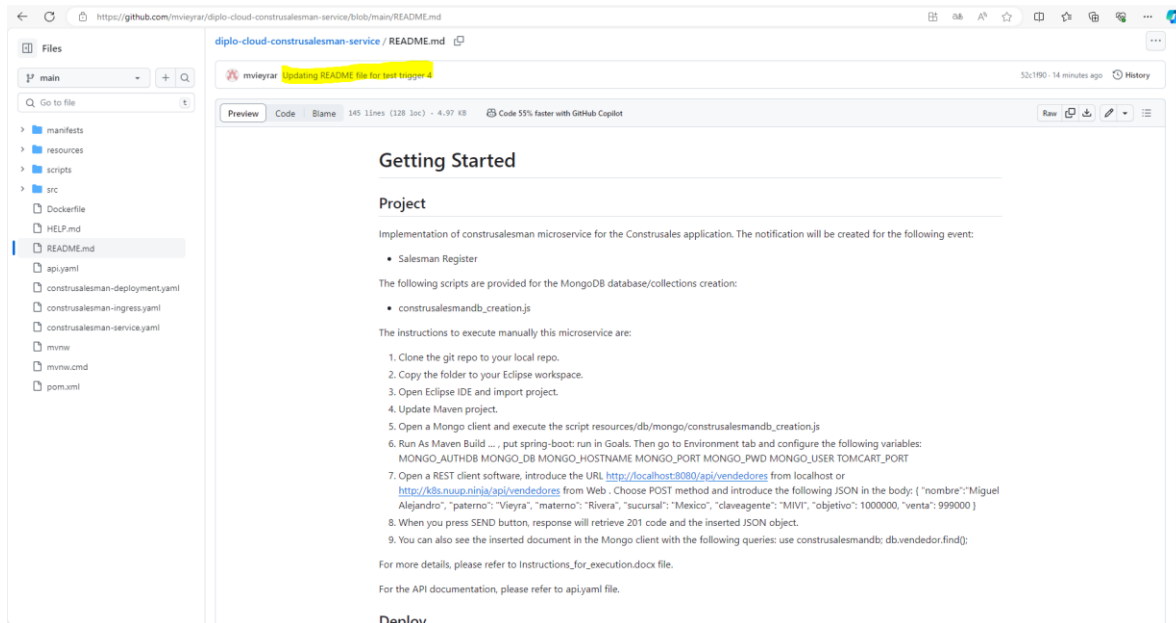
Posteriormente, se hizo push origin main para enviar los cambios al repositorio remoto.

```
Selecciónar user18@unam-1:~/modulo5/proyectorfinal1/diplo-cloud-construsalesman-service
[user18@unam-1 diplo-cloud-construsalesman-service]$ nano README.md
[user18@unam-1 diplo-cloud-construsalesman-service]$ [user18@unam-1 diplo-cloud-construsalesman-service]$
[user18@unam-1 diplo-cloud-construsalesman-service]$ git status
On branch main
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   README.md

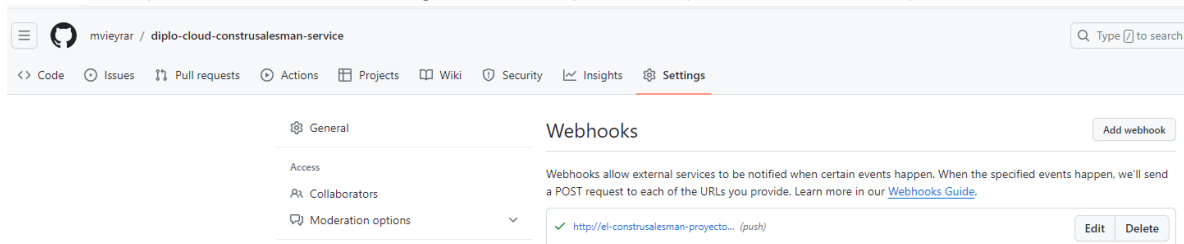
no changes added to commit (use "git add" and/or "git commit -a")
[user18@unam-1 diplo-cloud-construsalesman-service]$ git add .
[user18@unam-1 diplo-cloud-construsalesman-service]$ git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   README.md

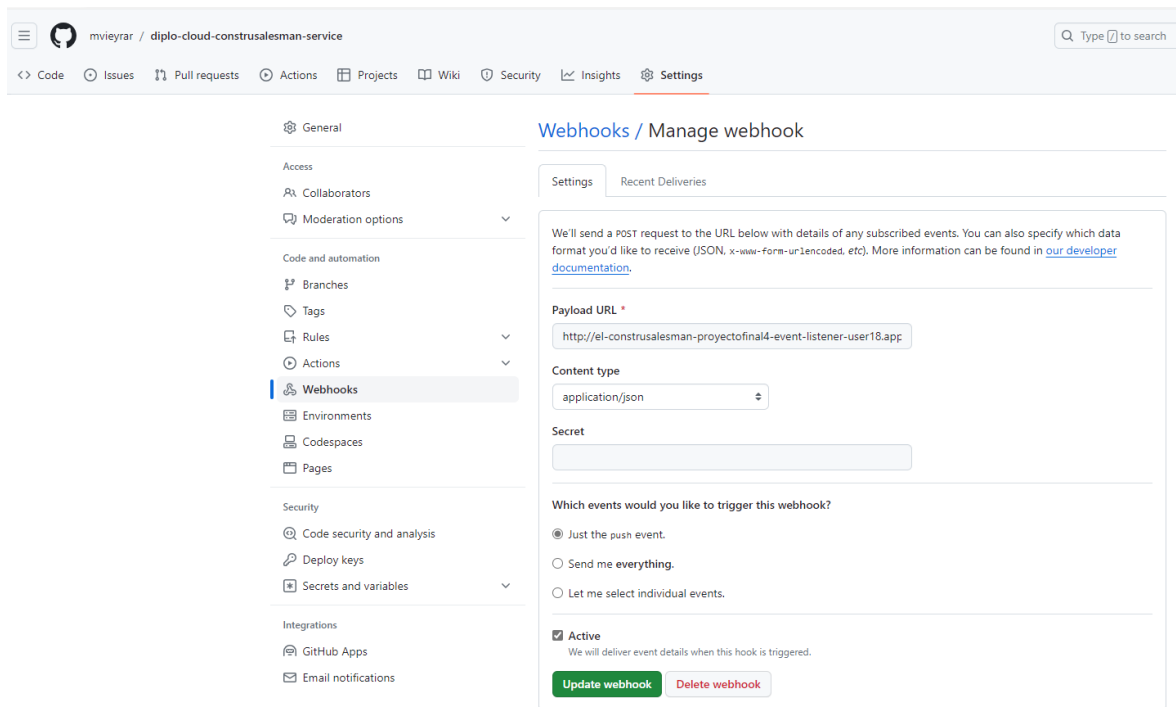
[user18@unam-1 diplo-cloud-construsalesman-service]$ git commit -m "Updating README file for test trigger 4"
[main 52c1f90] Updating README file for test trigger 4
 1 file changed, 3 insertions(+), 1 deletion(-)
[user18@unam-1 diplo-cloud-construsalesman-service]$ git status
On branch main
nothing to commit, working tree clean
[user18@unam-1 diplo-cloud-construsalesman-service]$ git pull origin main
From github.com:mvieyrar/diplo-cloud-construsalesman-service
* branch      main      -> FETCH_HEAD
Already up to date.
[user18@unam-1 diplo-cloud-construsalesman-service]$ git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
```

En automático se subió el cambio al repositorio remoto en GitHub.

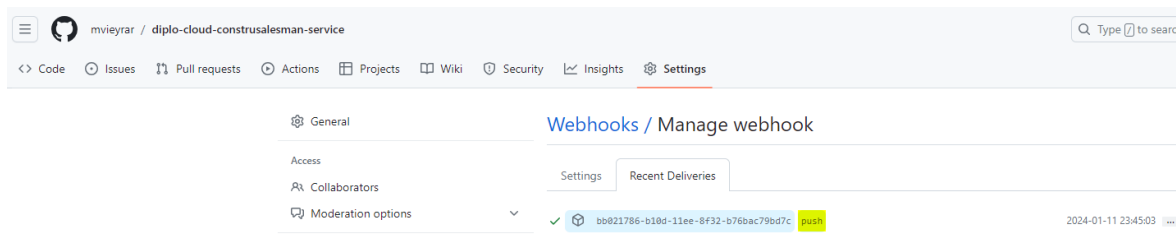


Esto hizo que el Webhook configurado se ejecutara por la acción del push.





The screenshot shows the GitHub repository settings for 'diplo-cloud-construsalesman-service'. The 'Webhooks' section is active, displaying the 'Settings' tab. The configuration includes a 'Payload URL' of 'http://el-construsalesman-proyecto-final4-event-listener-user18.app', a 'Content type' of 'application/json', and a 'Secret' field. Under 'Which events would you like to trigger this webhook?', the 'Just the push event' option is selected. The 'Active' checkbox is checked, indicating the webhook is enabled. Buttons for 'Update webhook' and 'Delete webhook' are visible at the bottom.



The screenshot shows the 'Recent Deliveries' tab for the webhook. It displays a single delivery record with a green checkmark icon, indicating a successful delivery. The record includes a SHA-1 hash 'bb021786-b18d-11ee-8f32-b76bac79bd7c', a 'push' event type, and a timestamp of '2024-01-11 23:45:03'.

Pasando el parámetro clone_url como parte del body del request.

```
← ↻ 🔍 https://github.com/mvieyrar/diplo-cloud-construsalesman-service/settings/hooks/4542325207tab=deliveries

type: "user",
"site_admin": false
},
"html_url": "https://github.com/mvieyrar/diplo-cloud-construsalesman-service",
"description": null,
"fork": false,
"url": "https://github.com/mvieyrar/diplo-cloud-construsalesman-service",
"forks_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/forks",
"keys_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/keys/{key_id}",
"collaborators_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/collaborators",
"teams_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/teams",
"hooks_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/hooks",
"issue_events_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/issues/{issue_number}/events",
"events_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/events",
"assignees_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/assignees/{username}",
"branches_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/branches/{branch}",
"tags_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/tags",
"blobs_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/git/blobs/{sha}",
"git_tags_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/git/tags/{sha}",
"git_refs_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/git/refs/{sha}",
"trees_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/git/trees/{sha}",
"statuses_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/statuses/{sha}",
"languages_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/languages",
"stargazers_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/stargazers",
"contributors_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/contributors",
"subscribers_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/subscribers",
"subscription_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/subscription",
"commits_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/commits/{sha}",
"git_commits_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/git/commits/{sha}",
"comments_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/comments/{comment_id}",
"issue_comment_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/issues/{issue_number}/comments/{comment_id}",
"contents_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/contents/{path}",
"compare_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/compare/{base}...{head}",
"merges_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/merges",
"archive_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/{archive_format}/{ref}",
"downloads_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/downloads",
"issues_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/issues/{number}",
"pulls_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/pulls/{number}",
"milestones_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/milestones",
"notifications_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/notifications",
"labels_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/labels/{name}",
"releases_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/releases/{id}",
"deployments_url": "https://api.github.com/repos/mvieyrar/diplo-cloud-construsalesman-service/deployments",
"created_at": 1696446917,
"updated_at": "2023-10-04T19:18:27Z",
"pushed_at": 1705038302,
"git_url": "git://github.com/mvieyrar/diplo-cloud-construsalesman-service.git",
"ssh_url": "git@github.com:mvieyrar/diplo-cloud-construsalesman-service.git",
"clone_url": "https://github.com/mvieyrar/diplo-cloud-construsalesman-service.git",
"svn_url": "https://github.com/mvieyrar/diplo-cloud-construsalesman-service"
```





El Trigger Binding, el Trigger Template, así como el Event Listener escucharon la request.

Triggers

Create ▾

[EventListeners](#) [TriggerTemplates](#) [TriggerBindings](#) [ClusterTriggerBindings](#)

Name ▾ Search by name... /



Name ▴	Namespace ▴	Created ▴	
 construsalesman-proyectofinal4-event-listener	 user18	 11 ene 2024, 23:37	

Triggers

Create ▾

[EventListeners](#) [TriggerTemplates](#) [TriggerBindings](#) [ClusterTriggerBindings](#)

Name ▾ Search by name... /

Name ▴	Namespace ▴	Created ▴	
 construsalesman-proyectofinal4-trigger-template	 user18	 11 ene 2024, 23:33	

Triggers

Create ▼

EventListeners TriggerTemplates TriggerBindings ClusterTriggerBindings

Name ▼	Search by name...	
Name ↑	Namespace ↑	Created ↑
TB construsalesman-proyectofinal4-trigger-binding	NS user18	🕒 11 ene 2024, 23:35

El Event Listener tiene asociada una URL que coincide con la del Route de OpenShift y con la configurada en el Webhook.

Project: user18 ▼

[EventListeners](#) > EventListener details

EL construsalesman-proyectofinal4-event-listener

Actions ▼

Details YAML

EventListener details

Name

construsalesman-proyectofinal4-event-listener

Namespace

NS user18

Labels

No labels

Annotations

0 annotations ✎

URL

http://el-construsalesman-proyectofinal4-event-listener-user18.apps.ocp-poc-singlenode.nuup.rocks 📄







Triggers

TT construsalesman-proyectofinal4-trigger-template
TB construsalesman-proyectofinal4-trigger-binding

Edit ✎

Routes

Create Route

Filter	Name	Search by name...	
Name	Status	Location	Service
 construsalesman-service-proyectofinal4	 Accepted	http://construsalesman-service-proyectofinal4-user18.apps.ocp-poc-singlenode.nuup.rocks	 construsalesman-service-proyectofinal4
 el-construsalesman-proyectofinal4-event-listener	 Accepted	http://el-construsalesman-proyectofinal4-event-listener-user18.apps.ocp-poc-singlenode.nuup.rocks	 el-construsalesman-proyectofinal4-event-listener

Si revisamos los services asociados a ese listener veremos que creó un pod con su respectivo log.

 el-construsalesman-proyectofinal4-event-listener Actions

Details YAML Pods

Filter		Name	Search by name...				
Name	Status	Ready	Restarts	Owner	Memory	CPU	Created
<div><div>P</div><div>el-construsalesman-proyectofinal4-event-listener-67ff88bdc6</div></div>	<div><div></div><div>Running</div></div>	1/1	0	<div><div>RS</div><div>el-construsalesman-proyectofinal4-event-listener-67ff88bdc6</div></div>	13.4 MiB	0.000 cores	<div><div></div><div>11 ene 2024, 23:37</div></div>

Project: user18 ▾

Pods ▸ Pod details

P el-construsalesman-proyectofinal4-event-listener-67ff88bdcr526k

Running

Actions ▾

Details Metrics YAML Environment Logs Events Terminal

Log streaming... event-listener ▾ Current log ▾ Search

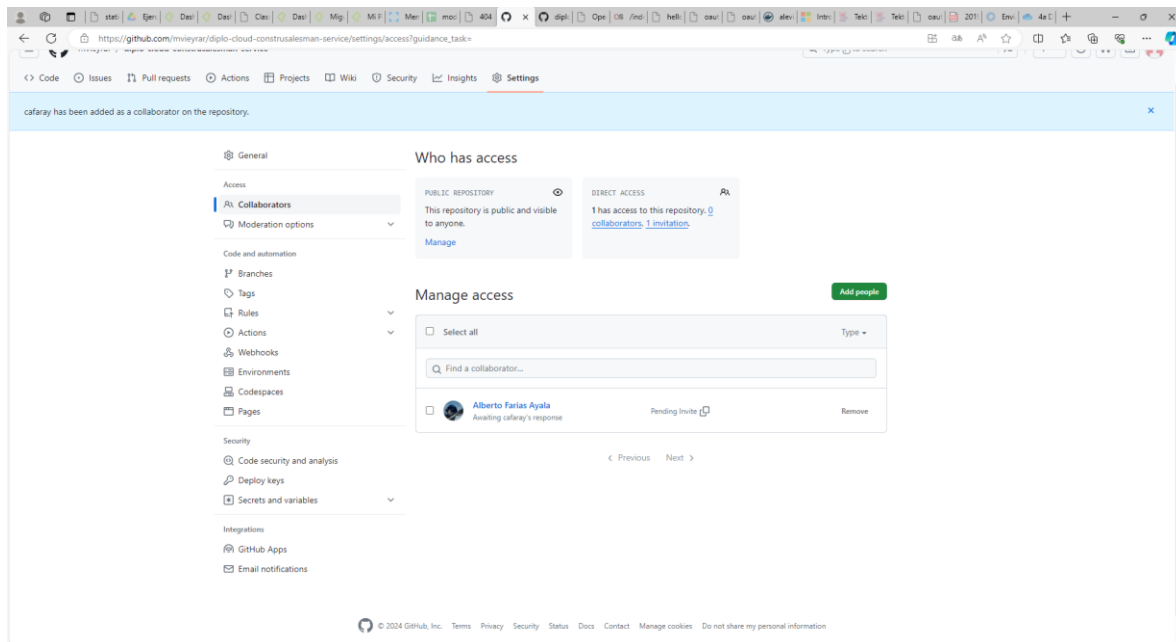
☐ Wrap lines | [Raw](#) | [Download](#) | [Expand](#)

```
12 lines
7 {"severity":"info","timestamp":"2024-01-12T05:45:03.110Z","logger":"eventlistener.event-broadcaster","caller":"reco
8 {"severity":"info","timestamp":"2024-01-12T05:45:03.110Z","logger":"eventlistener.event-broadcaster","caller":"reco
9 {"severity":"info","timestamp":"2024-01-12T05:45:03.110Z","logger":"eventlistener","caller":"sink/sink.go:442","me
10 {"severity":"info","timestamp":"2024-01-12T05:45:03.112Z","logger":"eventlistener","caller":"resources/create.go:94
11 {"severity":"info","timestamp":"2024-01-12T05:45:03.112Z","logger":"eventlistener","caller":"resources/create.go:14
12 {"severity":"info","timestamp":"2024-01-12T05:45:03.127Z","logger":"eventlistener.event-broadcaster","caller":"reco
```

De esta forma, si accedemos a Topology, veremos la aplicación desplegada y corriendo.

The screenshot shows the Red Hat OpenShift Developer console interface. On the left is a sidebar with navigation options like Developer, Topology, Observe, Search, Builds, Pipelines, Environments, Helm, Project, ConfigMaps, and Secrets. The main area displays the 'Topology' view for the 'el-construsalesman-proyectofinal4-event-listener' application. It shows a graph with nodes for 'notifi-service' and 'el-construsalesman-proyectofinal4-event-listener'. The right-hand sidebar provides details for the selected pod, including its name, status (Running), and associated services and routes.

Por último, se añadió al usuario del Profesor Alberto Farias como colaborador del repositorio de GitHub.



Por este medio, agradezco su tiempo, paciencia y por compartirnos su conocimiento para poder desarrollar este proyecto en el que quedan demostrados los pasos de descarga del repositorio, compilación, creación de la imagen y despliegue de una aplicación.