Evaluacion Conjunta

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Repositorio: https://github.com/DiegoCasignia/agricultura4.0.git

Ejecución de los microservicios:

```
PS D:\DIEGO\Documents\SOFTWARE\DISTRIBUIDAS\u3\agricultura4.0\ms-central> npm run dev

> ms-central@1.0.0 dev
> nodemon src/app.js

[nodemon] 3.1.10
[nodemon] to restart at any time, enter 'rs'
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting 'node src/app.js'
[dotenv@17.2.1] injecting env (9) from .env -- tip: @ prevent building .env in docker: https://dotenvx.com/prebuild
Microservicio Central running on port 8080
RabbitMQ connected
Executing (default): SELECT 1+1 AS result
PostgreSQL connected
```

```
PS D:\DIEGO\Documents\SOFTWARE\DISTRIBUIDAS\u3\agricultura4.6\ms-facturacion> npm run dev

> ms-facturacion@1.0.0 dev
> nodemon src/app.js

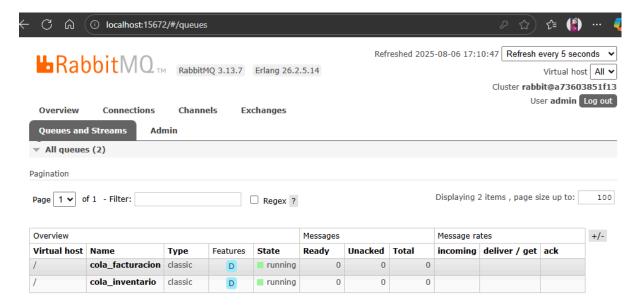
[nodemon] 3.1.10
[nodemon] to restart at any time, enter 'rs'
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting 'node src/app.js'
[dotenv@17.2.1] injecting env (10) from .env -- tip: @ prevent committing .env to code: https://dotenvx.com/precommit
Microservicio Facturación running on port 8082
RabbitMQ connected
Waiting for messages in cola_facturacion
Executing (default): SELECT 1+1 AS result
PostgreSQL connected
```

```
PS D:\DIEGO\Documents\SOFTWARE\DISTRIBUIDAS\u3\agricultura4.0\ms-inventario> npm run dev

> ms-inventario@1.0.0 dev
> nodemon src/app.js

[nodemon] 3.1.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node src/app.js`
[dotenv@17.2.1] injecting env (9) from .env -- tip: **
Microservicio Inventario running on port 8081
RabbitMQ connected
Waiting for messages in cola_inventario
Executing (default): SELECT 1+1 AS result
PostgreSQL connected
```

Ejecución de RabbitMQ



Bases de datos



Creacion de las imagenes de cada microservicio

```
PS D:\DIEGO\Documents\SOFTWARE\DISTRIBUIDAS\u3\agricultura4.0> docker images
REPOSITORY
                 TAG
                                IMAGE ID
                                                CREATED
                                                                SIZE
ms-inventario
                 1.0.0
                                99f87e03e420
                                                2 minutes ago
                                                                259MB
ms-facturacion
                 1.0.0
                                2a28ddccacad
                                                2 minutes ago
                                                                267MB
                                0216ba8624e0
ms-central
                 1.0.0
                                               4 minutes ago
                                                                261MB
```

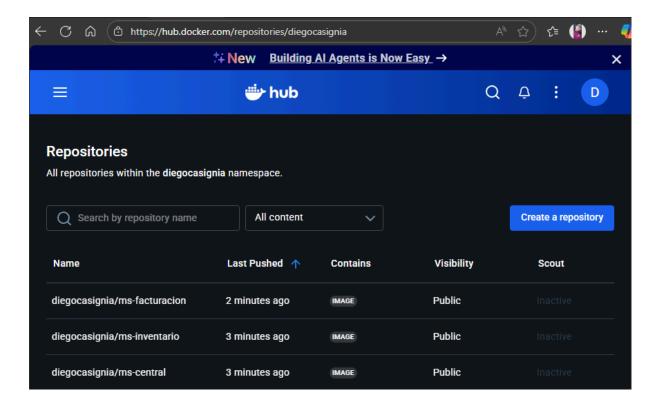
Despliegue de las imagenes a Docker Hub

```
PS D:\DIEGO\Documents\SOFTWARE\DISTRIBUIDAS\u3\agricultura4.0> docker tag ms-central:1.0.0 diegocasignia/ms-central:1.0.0 PS D:\DIEGO\Documents\SOFTWARE\DISTRIBUIDAS\u3\agricultura4.0> docker tag ms-inventario:1.0.0 diegocasignia/ms-inventario:1.0.0 PS D:\DIEGO\Documents\SOFTWARE\DISTRIBUIDAS\u3\agricultura4.0> docker tag ms-facturacion:1.0.0 diegocasignia/ms-facturacion:1.0.0 PS D:\DIEGO\Documents\SOFTWARE\DISTRIBUIDAS\u3\agricultura4.0> docker tag ms-facturacion:1.0.0 diegocasignia/ms-facturacion:1.0.0 Authenticating with existing credentials...

Login Succeeded
```

```
PS D:\DIEGO\Documents\SOFTWARE\DISTRIBUIDAS\u3\agricultura4.0> docker push diegocasignia/ms-central:1.0.0
The push refers to repository [docker.io/diegocasignia/ms-central]
8a7c4bc206f8: Pushed
7beb61ba7d23: Pushed
1e5a4c89cee5: Pushed
78c21d091766: Pushed
048c909d87e8: Pushed
680029d15179: Pushed
d840f3c596ef: Pushed
f18232174bc9: Pushed
f18232174bc9: Pushed
25ff2da83641: Pushed
25ff2da83641: Pushed
ed3e50faf273: Pushed
dd71dde834b5: Pushed
1.0.0: digest: sha256:0216ba8624e0b9f8866d8014f102a61f6a977c9d91fd1856796d72119ad88fc8 size: 856
```

```
PS D:\DIEGO\Documents\SOFTWARE\DISTRIBUIDAS\u3\agricultura4.0> <mark>docker</mark> push diegocasignia/ms-inventario:1.0.0
The push refers to repository [docker.io/diegocasignia/ms-inventario]
192d15e5bfe5: Pushed
1e5a4c89cee5: Mounted from diegocasignia/ms-central
d840f3c596ef: Mounted from diegocasignia/ms-central
32e50e499b7c: Pushed
325df86b6cd7: Pushed
29b2ef9e1c91: Pushed
2d221aa4937b: Pushed
3bc7307a7de7: Pushed
25ff2da83641: Mounted from diegocasignia/ms-central
f18232174bc9: Mounted from diegocasignia/ms-central
9964b763e97b: Pushed
dd71dde834b5: Mounted from diegocasignia/ms-central
1.0.0: digest: sha256:99f87e03e4205e5e59209f02b356c2cd794d43df27d459e4b3a0fa10d8c7d970 size: 856
PS D:\DIEGO\Documents\SOFTWARE\DISTRIBUIDAS\u3\agricultura4.0> docker push diegocasignia/ms-facturacion:1.0.0
The push refers to repository [docker.io/diegocasignia/ms-facturacion]
a807b8707041: Pushed
25ff2da83641: Mounted from diegocasignia/ms-inventario
d840f3c596ef: Mounted from diegocasignia/ms-inventario
5635b408b62c: Pushed
a27b67be20f2: Pushed
dd71dde834b5: Mounted from diegocasignia/ms-inventario
8747ad47c4ef: Pushed
bc79364a54df: Pushed
a6d2932944d7: Pushed
36a40ff7e2d6: Pushed
f18232174bc9: Mounted from diegocasignia/ms-inventario
1e5a4c89cee5: Mounted from diegocasignia/ms-inventario
1.0.0: digest: sha256:2a28ddccacadd1f77be96cf45da84baf5d7e4fb25dd3d9cdef171b529d9eb2e2 size: 856
```



Deploy

```
ubuntu@ubuntu: ~/Documents/distribuidas/agricultura4.0/deploy
ubuntu@ubuntu:~/Documents/distribuidas/agricultura4.0/deploy$ kubectl apply -f 00-namespace.yaml
namespace/conjunta created
:buntu@ubuntu:~/Documents/distribuidas/agricultura4.0/deploy$ kubectl apply -f 01-postgresql.yaml
secret/postgres-secrets created
configmap/postgres-init-scripts created
statefulset.apps/postgresql created
service/postgresql-svc created
                     ments/distribuidas/agricultura4.0/deploy$ kubectl apply -f 02-rabbitmq.yaml
statefulset.apps/rabbitmq created
service/rabbitmq created
        buntu:~/Documents/distribuidas/agricultura4.0/deploy$ kubectl apply -f 03-ms-central.yaml
configmap/ms-central-config created
secret/ms-central-secrets created deployment.apps/ms-central created
service/ms-central-service created
        buntu:~/Documents/distribuidas/agricultura4.0/deploy$ kubectl apply -f 04-ms-inventario.yaml
configmap/ms-inventario-config created
secret/ms-inventario-secrets created
deployment.apps/ms-inventario created
service/ms-inventario-service created
                                 buidas/agricultura4.0/deploy$ kubectl apply -f 05-ms-facturacion.yaml
configmap/ms-facturacion-config created
secret/ms-facturacion-secrets created
deployment.apps/ms-facturacion created
service/ms-facturacion-service created
        buntu:~/Documents/distribuidas/agricultura4.0/deploy$ kubectl apply -f 06-ingress.yaml
ingress.networking.k8s.io/agroflow-ingress created
 buntu@ubuntu:~/Documents/distribuidas/agricultura4.0/deploy$
```



