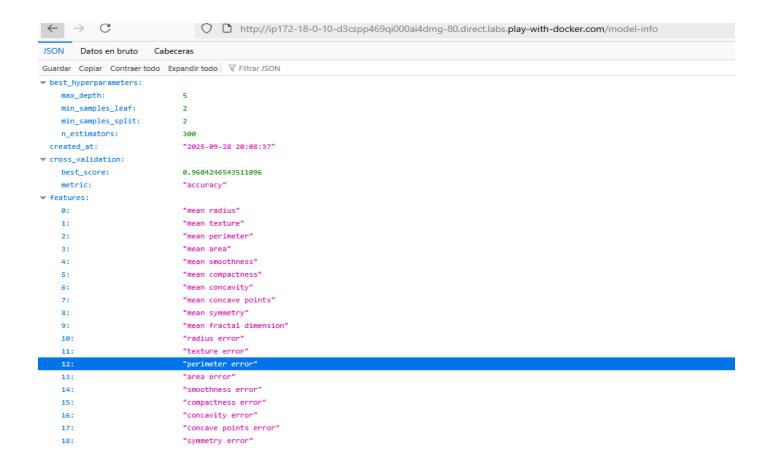
Pantallazos de comprobación funcionalidad API REST

- Prueba de carga y estado de API en Docker y en PowerShell. Uso de endpoint 'health'.

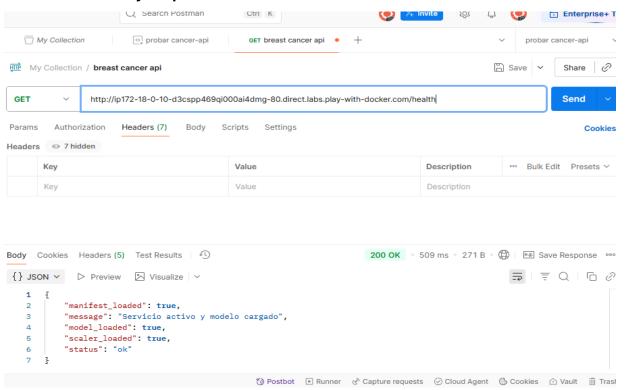
```
SSH
  ssh ip172-18-0-10-d3cspp469qi000ai4dmg@direct.labs.play-with
   DELETE
               EDITOR
                                              973 Sep 29 00:30 Dockerfile
                                             7971 Sep 29 00:04 api.py
rw
                  root
                            root
                                          1467 Sep 29 00:04 model manifest.json
761561 Sep 29 00:04 modelo breastcancer.pkl
                  root
                            root
rw
                  root
                            root
                                              108 Sep 29 00:41 requirements.txt
rw
                  root
                            root
                                            2135 Sep 29 00:04 scaler.pkl
                  root
                            root
     1] (local) root@192.168.0.29 ~
 docker ps
                                                             CREATED
                                                                                STATUS
CONTAINER ID
                                                                                                                              NAM
4d89e66edea2
                 cancer-api "gunicorn --bind 0.0..."
                                                            21 minutes ago
                                                                               Up 21 minutes
                                                                                                   0.0.0.0:80->8080/tcp
cer-container
       (local) root@192.168.0.29 ~
$ curl http://localhost/health
{"manifest_loaded":true,"message":"Servicio activo y modelo cargado","model_loaded":true,"scaler_loaded":true,"s
tatus":"ok"}
     1] (local) root@192.168.0.29 ~
```

```
PS C:\Users\HP> <mark>curl</mark> http://ip172-18-0-10-d3cspp469qi000ai4dmg-80.direct.labs.play-with-docker.com/health
StatusCode
                  : 200
StatusDescription : OK
Content
                   : {"manifest_loaded":true,"message":"Servicio activo y modelo
                    cargado","model_loaded":true,"scaler_loaded":true,"status":"ok"}
RawContent
                   : HTTP/1.1 200 OK
                     Connection: close
                     Content-Length: 125
                     Content-Type: application/json
                     Date: Mon, 29 Sep 2025 00:58:17 GMT
                     Server: gunicorn
                     {"manifest_loaded":true,"message":"Servicio activo y m...
                     {} {[Connection, close], [Content-Length, 125], [Content-Type, application/json], [Date, Mon, 29 Sep 2025
Forms
Headers
                     00:58:17 GMT]...}
Images
InputFields
Links
                   : mshtml.HTMLDocumentClass
ParsedHtml
RawContentLength
                   : 125
PS C:\Users\HP> <mark>curl</mark> http://ip172-18-0-10-d3cspp469qi000ai4dmg-80.direct.labs.play-with-docker.com/model-info
StatusCode
                  : 200
StatusDescription : OK
                   : {"best_hyperparameters":{"max_depth":5,"min_samples_leaf":2,"min_samples_split":2,"n_estimators":300},"c
Content
                     reated_at": "2025-09-28 20:08:37", "cross_validation": {"best_score": 0.9604246543511096, "metric": "a...
RawContent
                   : HTTP/1.1 200 OK
                     Connection: close
                     Content-Length: 1294
                     Content-Type: application/json
                     Date: Mon, 29 Sep 2025 00:58:37 GMT
                     Server: gunicorn
                     {"best_hyperparameters":{"max_depth":5,"min_samples_1...
                     {} {[Connection, close], [Content-Length, 1294], [Content-Type, application/json], [Date, Mon, 29 Sep 2025
Forms
Headers
                     00:58:37 GMT]...}
                   : {}
: {}
: {}
Images
InputFields
links
```

- Prueba de endpoint 'model-info' en url.

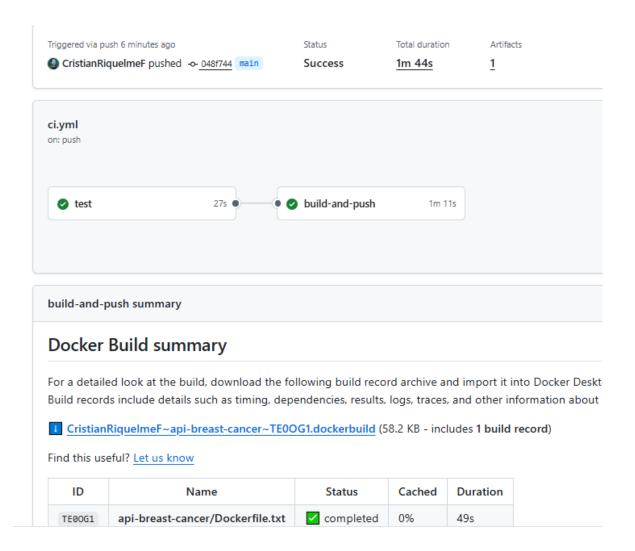


- Prueba de estado y de predicción en POSTMAN



```
1
  2
           "features": [
  3
              17.99, 10.38, 122.8, 1001.0, 0.1184, 0.2776, 0.3001, 0.1471, 0.2419, 0.07871,
              1.095, 0.9053, 8.589, 153.4, 0.006399, 0.04904, 0.05373, 0.01587, 0.03003, 0.006193,
  4
              25.38, 17.33, 184.6, 2019.0, 0.1622, 0.6656, 0.7119, 0.2654, 0.4601, 0.1189
  5
  6
          ]
  7
Body Cookies Headers (5) Test Results
{} JSON \
              Preview
                         Visualize 
   1
           "class": 0,
   2
   3
           "class_mapping": {
   4
               "0": "malignant",
               "1": "benign"
   5
   6
           3,
           "prediction": "malignant",
```

Carga de yml en actions comprobando test y construcción de imagen Docker en GitHub



- Carga de imagen en Docker

```
Digest: sha256:83ad0a415477dc1e3643811c6d3b0f4aa58e22e14139707a8843208c63df0dbd
Status: Downloaded newer image for ghcr.io/cristianriquelmef/api-breast-cancer:latest ghcr.io/cristianriquelmef/api-breast-cancer:latest
      1] (local) root@192.168.0.29 ~
        (local) root@192.168.0.29 ~
 docker images
REPOSITORY
                                                    TAG
                                                                IMAGE ID
                                                                                 CREATED
                                                                                                    SIZE
ghcr.io/cristianriquelmef/api-breast-cancer
                                                                7eb557128b98
                                                                                 45 minutes ago
                                                    latest
                                                                                                     492MB
        (local) root@192.168.0.29 ~
```

- Prueba de estado

```
docker images
                                                                                                           IMAGE ID
7eb557128b98
                                                                                        TAG
                                                                                                                                        CREATED
                                                                                                                                                                        SIZE
 hcr.io/cristianriquelmef/api-breast-cancer
                                                                                        latest
                                                                                                                                        51 minutes ago
                                                                                                                                                                        492MB
  nodel] (local) root@192.168.0.29 ~
docker run -d --name api-cancer -p 80:8080 ghcr.io/cristianriquelmef/api-breast-cancer:latest
9650c61187ea19eaf6366618faadd9ea676fe0b415871cc81048dac0ca33593
             (local) root@192.168.0.29 ^
  docker ps
                       PORTS
                                                                    NAMES
TUS PORTS NAMES

c9650c61187e ghcr.io/cristianriquelmef/api-breast-cancer:latest "gunicorn --bind 0.0..." 36 seconds ago Up

36 seconds 0.0.0.0:80->8080/tcp api-cancer

[nodel] (local) roote192.168.0.29 ~

$ curl http://localhost/health

{"manifest loaded":true, "message": "Servicio activo y modelo cargado", "model_loaded":true, "scaler_loaded":true, "status": "ok"]
              (local) root@192.168.0.29 ~
```

- Links

- Repositorio: https://github.com/CristianRiquelmeF/api-breast-cancer
- Última ejecución CI/CD: https://github.com/CristianRiquelmeF/api-breast-cancer/actions
- Imagen Docker en GHCR: https://github.com/CristianRiquelmeF/api-breast-cancer/pkgs/container/api-breast-cancer
- Archivo workflow: https://github.com/CristianRiqueImeF/api-breast-cancer/blob/main/.github/workflows/ci.yml