

Informe Evaluación

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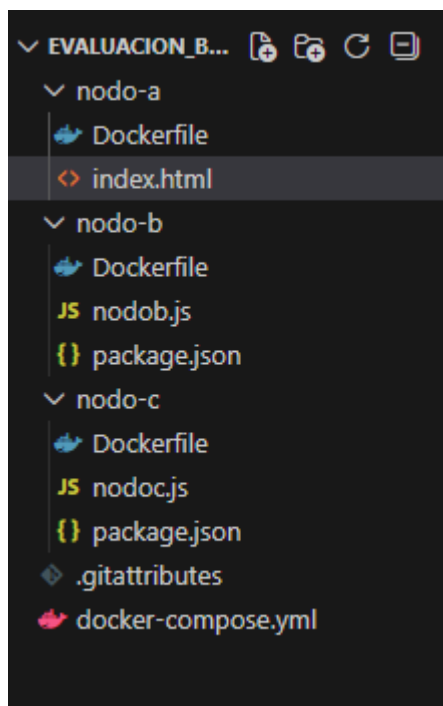
Nodo A

```
COMPLETADO: Conectado{"type":"connected","clientId":"e05ae2e6-ff48-434b-8b1b-735b051c49f6","message":"Conectado al Nodo B (procesador)"}
```

```
COMPLETADO: Conectado{"_id":"UUID-generado-en-A","power_level":35,"audit_trail":["C_verified"]}
```

Resultado de la evaluación.

Se logró realizar la práctica, sin embargo de un momento a otro el funcionamiento con respecto al nodo B falló



Se usó 3 Dockerfile, para cada contenedor.

En el nodo A, si uso js y html.

En el nodo B, se usó js.

En el nodo C, se usó js.

En cada package.json, se colocó las dependencias de los dos nodos, se escogió esta arquitectura por que era la más conveniente con lo solicitado, en base a los 3 contenedores.

```
a-nodo
evaluation_bravo-a-8080:80
b-nodo
evaluation_bravo-b-3100:3000
c-nodo
evaluation_bravo-c-3002:3001

a-nodo
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2025/11/26 23:35:49 [notice] 1#1: using the "epoll" event method
2025/11/26 23:35:49 [notice] 1#1: nginx/1.29.3
2025/11/26 23:35:49 [notice] 1#1: built by gcc 14.2.0 (Alpine 14.2.0)
2025/11/26 23:35:49 [notice] 1#1: OS: Linux 6.6.87.2-microsoft-standard-WSL2
2025/11/26 23:35:49 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2025/11/26 23:35:49 [notice] 1#1: start worker processes
2025/11/26 23:35:49 [notice] 1#1: start worker process 30
2025/11/26 23:35:49 [notice] 1#1: start worker process 31
2025/11/26 23:35:49 [notice] 1#1: start worker process 32
2025/11/26 23:35:49 [notice] 1#1: start worker process 33
2025/11/26 23:35:49 [notice] 1#1: start worker process 34
2025/11/26 23:35:49 [notice] 1#1: start worker process 35
2025/11/26 23:35:49 [notice] 1#1: start worker process 36
2025/11/26 23:35:49 [notice] 1#1: start worker process 37

b-nodo
Nodo B - WebSocket server listening on port 3000

c-nodo
Nodo C - WebSocket server listening on port 3001

a-nodo
172.21.0.1 - - [26/Nov/2025:23:36:20 +0000] "GET / HTTP/1.1" 200 1702 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/142.0.0.0 Safari/537.36 Edg/142.0.0.0" "-"

c-nodo
↑ Cliente conectado: 91295e5d-842c-405e-a81e-40b7019d0aaa (Total: 1)

a-nodo
172.21.0.1 - - [26/Nov/2025:23:36:21 +0000] "GET / HTTP/1.1" 304 0 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/142.0.0.0 Safari/537.36 Edg/142.0.0.0" "-"

c-nodo
↑ Cliente desconectado: 91295e5d-842c-405e-a81e-40b7019d0aaa (Total: 0)
↑ Cliente conectado: e05ae2e6-ff48-434b-8b1b-735b051c49f6 (Total: 1)
■ Nodo C recibido: { _id: 'UUID-generado-en-A', power_level: 20, audit_trail: [] }
```

Aquí se visualiza los tres contenedores trabajando simultáneamente y con los logs donde cada uno recibe la información.