

Tests to Perform

We will perform two tests:

- Synchronization with the blockchain
- P2P verification

We will create a temporary entity, one on your node and another on ours, and see if it synchronizes via the blockchain.

We can do it using Postman or using the curl command by postforwarding to Scorpio:

```
kubectl port-forward svc/scorpio 9090:9090 -n <your namespace>
```

Or if we have access to the bae marketplace, from there; For example, this is our configured site: [Bae marketplace local](#)

```
curl --location 'http://localhost:9090/ngsi-ld/v1/entities/?type=catalog' \
--header 'Content-Type: application/json' \
--data '{
  "id": "urn:catalog:MyDummyTest",
  "type": "catalog",
  "version": "2.5",
  "lastUpdate": "2024-07-09T12:00:00Z",
  "lifecycleStatus": "Launched"
}'
```

And we will validate that it has been created correctly using curl

```
curl --location 'http://localhost:9090/ngsi-ld/v1/entities/urn:catalog:MyDummyTest'
```

For P2P validation, we first need to create a Request Point (RP) by removing our node from the Trusted Access Nodes List. Create a new entity as shown above, and we will validate that we have NOT processed that entity.

Run the following command on the node where the entity was created and validate that this time, we have received it.

```
kubectl port-forward svc/desmos 8080:8080 -n <your namespace>
```

```
curl --location 'http://localhost:8080/backoffice/v2/actions/sync' \  
--header 'Authorization: Bearer  
eyJ0eXAiOiJkcG9wK2p3dCIsImFsZyI6IkdVTMjU2liwiandrljp7Imt0eSI6IkdVdiwidXNIIjoic2InliwiY3J2IjoiaUC0  
yNTYiLCJ4IjoiaHR0cHM6Ly9kZW1vcy5kb21lLW1hcmtldHBsYWNILWxjbC5vcmcvYXBpL3YxL2VudGI0aWV  
V2ozVEdPeGRvTGpzRU1rbDFJQ3RPMREnM12bzZXaDJTMjdKeINweEZRIn19.eyJodG0iOiJQT1NUIi  
wiaHR1IjoiaHR0cHM6Ly9kZW1vcy5kb21lLW1hcmtldHBsYWNILWxjbC5vcmcvYXBpL3YxL2VudGI0aWV  
zLzEyMzQ1Njc4IiwiaWF0IjoxNzU1ODI4MjI2LCJqdGkiOiJkZDQyNzVmYi00MjhmLTQ2NjMtOGI4ZS0zMT  
UxMDVhZmQ2ZjlfQ.vZ33bJ2rYFEki5rM6uFmE46t4Ot4BCAInQXd-GWNNvWxWPtdhmP9gWa7u5xJS-  
ZrNJAkbj4Wh_tjxiSQyRt5Q'
```

Revision #3

Created 24 November 2025 08:07:22 by Miguel Mir

Updated 27 November 2025 16:33:37 by Miguel Mir