**Gaia-X - Test Report for Data Contract Service and Data Exchange Logging Service**

# Introduction

This document contains the results of the functional testing procedure for the Data Contract Service (DCS) and Data Exchange Logging Service (DELS) modules of the Gaia-X Federation Services.

# Test Environments

The components of each module were deployed in the environment provided by the customer.

## Virtual Servers:

The modules’ components were deployed on the following virtual servers:

**Node CPU Memory (GB)**

**k8s-clusterapi-dev3-md-0-genw1-mvjkx 4 16**

**k8s-clusterapi-dev3-md-1-genw1-5hvff 2 8**

**k8s-clusterapi-dev3-md-1-genw1-5lbm2 2 8**

## Kubernetes pods

The following two tables contains the Kubernetes pods used by each module.

**DCS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **IP** | **Node** | **Software** |
| dct-6774b64df7-bqzgc | 10.0.8.44 | k8s-clusterapi-dev3-md-1-genw1-5lbm2 | nest.js application - GX-DCS |
| dct-6774b64df7-n9frl | 10.0.12.74 | k8s-clusterapi-dev3-md-0-genw1-mvjkx | nest.js application - GX-DCS |
| dct-redis-cluster-0 | 10.0.8.62 | k8s-clusterapi-dev3-md-1-genw1-5lbm2 | Redis Cluster |
| dct-redis-cluster-1 | 10.0.11.29 | k8s-clusterapi-dev3-md-1-genw1-5hvff | Redis Cluster |
| dct-redis-cluster-2 | 10.0.12.180 | k8s-clusterapi-dev3-md-0-genw1-mvjkx | Redis Cluster |
| dct-redis-cluster-3 | 10.0.12.237 | k8s-clusterapi-dev3-md-0-genw1-mvjkx | Redis Cluster |
| dct-redis-cluster-4 | 10.0.8.90 | k8s-clusterapi-dev3-md-1-genw1-5lbm2 | Redis Cluster |
| dct-redis-cluster-5 | 10.0.11.165 | k8s-clusterapi-dev3-md-1-genw1-5hvff | Redis Cluster |
| mkdocs-f4d9db9f-qrcgf | 10.0.12.157 | k8s-clusterapi-dev3-md-0-genw1-mvjkx | Docs aplication (mkdocs) |

**DELS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **IP** | **Node** | **Software** |
| del-6b97cb657c-ds4bm | 10.0.12.251 | k8s-clusterapi-dev3-md-0-genw1-mvjkx | nest.js application - Gaia-X Federation Service Data Exchange Logging Service (GX-DELS) |
| del-6b97cb657c-jznhq | 10.0.8.1 | k8s-clusterapi-dev3-md-1-genw1-5lbm2 | nest.js application - Gaia-X Federation Service Data Exchange Logging Service (GX-DELS) |
| del-postgresql-ha-pgpool-6465fb8bb4-m2lkc | 10.0.11.181 | k8s-clusterapi-dev3-md-1-genw1-5hvff | PostgreSQL DB cluster |
| del-postgresql-ha-postgresql-0 | 10.0.8.61 | k8s-clusterapi-dev3-md-1-genw1-5lbm2 | PostgreSQL DB cluster |
| del-postgresql-ha-postgresql-1 | 10.0.12.88 | k8s-clusterapi-dev3-md-0-genw1-mvjkx | PostgreSQL DB cluster |
| del-postgresql-ha-postgresql-2 | 10.0.11.78 | k8s-clusterapi-dev3-md-1-genw1-5hvff | PostgreSQL DB cluster |
| dels-redis-cluster-0 | 10.0.11.26 | k8s-clusterapi-dev3-md-1-genw1-5hvff | Redis Cluster |
| dels-redis-cluster-1 | 10.0.8.41 | k8s-clusterapi-dev3-md-1-genw1-5lbm2 | Redis Cluster |
| dels-redis-cluster-2 | 10.0.11.65 | k8s-clusterapi-dev3-md-1-genw1-5hvff | Redis Cluster |
| dels-redis-cluster-3 | 10.0.12.173 | k8s-clusterapi-dev3-md-0-genw1-mvjkx | Redis Cluster |
| dels-redis-cluster-4 | 10.0.12.68 | k8s-clusterapi-dev3-md-0-genw1-mvjkx | Redis Cluster |
| dels-redis-cluster-5 | 10.0.8.10 | k8s-clusterapi-dev3-md-1-genw1-5lbm2 | Redis Cluster |
| mkdocs-857f5dfb5f-5w7xx | 10.0.12.101 | k8s-clusterapi-dev3-md-0-genw1-mvjkx | Docs aplication (mkdocs) |
| pg-backup-6d4b76b485-hfhq7 | 10.0.12.158 | k8s-clusterapi-dev3-md-0-genw1-mvjkx | PostgreSQL backup application |

## URLs:

* DCS - https://dct-dev3.gxfs.dev/
* DELS- https://del-dev3.gxfs.dev/

## Test tools

The calls to the API endpoints were tested using the Postman application.

# Test Conditions

The tests were performed in the following conditions:

* calls from DCS to external modules (Federated Catalog, Trust Services, Compliance) were mocked in the code, since the corresponding endpoints were not ready at the time of testing
* the authentication of the participants (Data Provider and Data Consumer) were mocked in the code, as the Identity and Access Management module was not ready at the time of testing.

# Test Results

In this chapter are presented the test cases executed and the results obtained for each. Based on the results, the test case is assessed as failed or passed. For DELS, the test cases were grouped in two categories: DELS - related to the functional part of the module (receiving notifications, queries etc.) and DELS admin - related to the administration tasks for DELS.

## DCS

|  |  |
| --- | --- |
| **ID** | **DCS01** |
| **Title** | **Login - valid credentials** |
| **Functionality** | **GX-DCS.NFR.007 - Authentication and Authorization** |
| **Scenario** | Scenario: Login - valid credentials  Given I want to login  When a POST request is made to {{host}}/auth/login with the following body  {"username": "admin", "password": "admin"}  Then the system should respond with code 201 (Created)  And Response Body should looks like  {  "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VybmFtZ...",  "expiresAt": 1658931607  } |
| **Status** | PASSED |

|  |  |
| --- | --- |
| **ID** | **DCS02** |
| **Title** | **Login - invalid credentials** |
| **Functionality** | **GX-DCS.NFR.007 - Authentication and Authorization** |
| **Scenario** | Scenario: Login - invalid credentials  Given I want to login  When a POST request is made to {{host}}/auth/login with invalid credentials in body  {"username": "wrong\_admin", "password": "wrong\_pass"}  Then the system should respond with code 401 (Unauthorized)  And Response Body should contain an error like  {  "statusCode": 401,  "message": "Unauthorized",  "stack": "UnauthorizedException: Unauthorized\n at ..."  } |
| **Status** | PASSED |

|  |  |
| --- | --- |
| **ID** | **DCS03** |
| **Title** | **Login - invalid body** |
| **Functionality** | **GX-DCS.NFR.007 - Authentication and Authorization** |
| **Scenario** | Scenario: Login - invalid body  Given I want to login  When a POST request is made to {{host}}/auth/login with an invalid body (empty, missing parameter etc )  Then the system should respond with code 401 (Unauthorized)  And Response Body should contain an error like  {  "statusCode": 401,  "message": "Unauthorized",  "stack": "UnauthorizedException: Unauthorized\n at ..."  } |
| **Status** | PASSED |

|  |  |
| --- | --- |
| **ID** | **DCS04** |
| **Title** | **Login - not allowed method** |
| **Functionality** | **GX-DCS.NFR.007 - Authentication and Authorization** |
| **Scenario** | Scenario: Login - not allowed method  Given I want to login  When a PUT/PATCH/DELETE request is made to {{host}}/auth/login with the following body  {"username": "admin", "password": "admin"}  Then the system should respond with code 404 (Not found)  And Response Body should contain an error like  {  "statusCode": 404,  "message": "Cannot DELETE /auth/login",  "stack": "NotFoundException: Cannot DELETE /auth/login\n at callback ..."  } |
| **Status** | PASSED |

|  |  |
| --- | --- |
| **ID** | **DCS05** |
| **Title** | **Register - valid body** |
| **Functionality** | **GX-DCS.IR.003 - Data Asset Registration Endpoint** |
| **Scenario** | Scenario: Register - valid body  Given I want to register a contract  When a POST request is made to {{host}}/register with a valid body  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"Example text for the general terms","gax:confirmationRequired":false,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":false,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}}},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:provider:controller","proof":{"type":"Ed25519Signature2018","created":"2022-08-16T18:44:24Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OK5LRGOFDxHETGEPXvFWqoCM540egHyAPnrBi6pskyRIwdA9ZUf-U6aYsMYJduTNk9w6u98M18XU4Tn5S7rmBg"}}]}  Then the system should respond with code 201 (Created)  And Response Body should contain contract details with proof  {"@context":["https://www.w3.org/2018/credentials/v1"],"type":["VerifiablePresentation"],"verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"Example text for the general terms","gax:confirmationRequired":false,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":[{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":false,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}]}},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:provider:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-16T18:44:24Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OK5LRGOFDxHETGEPXvFWqoCM540egHyAPnrBi6pskyRIwdA9ZUf-U6aYsMYJduTNk9w6u98M18XU4Tn5S7rmBg"}]}],"proof":{"type":"Ed25519Signature2018","created":"2022-11-09T10:16:35Z","verificationMethod":"did:dcs:key:123","proofPurpose":"authentication","challenge":"86e9cf1c-dee2-48ce-be62-7ca3ad24485a","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..6sHe-kiTu-ZV86bodlYpCST5iPJ4qEYiS8C5uNx92WN9EzeNS1uPSvGlc2zKXEFiGuzY\_PXr4chnXFcr00CbDA"}} |
| **Status** | PASSED |

|  |  |
| --- | --- |
| **ID** | **DCS06** |
| **Title** | **Register - invalid body** |
| **Functionality** | **GX-DCS.FR.012 - Registration error handling** |
| **Scenario** | Scenario: Register - invalid body  Given I want to register a contract  When a POST request is made to {{host}}/register with an invalid body (missing required fields/objects)  "{\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":\"VerifiablePresentation\",\"verifiableCredential\":[\"issuanceDate\":\"2021-01-23T12:21:23.876Z\",\"issuer\":\"did:provider:controller\",\"proof\":{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-16T18:44:24Z\",\"verificationMethod\":\"did:provider:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OK5LRGOFDxHETGEPXvFWqoCM540egHyAPnrBi6pskyRIwdA9ZUf-U6aYsMYJduTNk9w6u98M18XU4Tn5S7rmBg\"}]}"  Then the system should respond with code 400 (Bad Request)  And Response Body should contain an error like  {  "statusCode": 400,  "message": [{message}],  "error": "Bad Request"  } |
| **Status** | PASSED |

|  |  |
| --- | --- |
| **ID** | **DCS07** |
| **Title** | **Register - not allowed method** |
| **Functionality** | **GX-DCS.FR.012 - Registration error handling** |
| **Scenario** | Scenario: Register - not allowed method  Given I want to register a contract  When a PUT/PATCH/DELETE request is made to {{host}}/register with a valid body  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"Example text for the general terms","gax:confirmationRequired":false,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":false,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}}},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:provider:controller","proof":{"type":"Ed25519Signature2018","created":"2022-08-16T18:44:24Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OK5LRGOFDxHETGEPXvFWqoCM540egHyAPnrBi6pskyRIwdA9ZUf-U6aYsMYJduTNk9w6u98M18XU4Tn5S7rmBg"}}]}  Then the system should respond with code 404 (Not Found)  And Response Body should contain an error like  {  "statusCode": 404,  "message": "Cannot PUT /register",  "stack": "NotFoundException: Cannot PUT /register\n at callback ..."  } |
| **Status** | PASSED |

|  |  |
| --- | --- |
| **ID** | **DCS08** |
| **Title** | **Make Contract - valid body** |
| **Functionality** | **GX-DCS.IR.004 - Make Contract Endpoint** |
| **Scenario** | Scenario: Make Contract - confirmationRequired:True  Given I want to make a contract  When a POST request is made to {{host}}/make/contract with a valid body  "{\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":\"VerifiablePresentation\",\"verifiableCredential\":[{\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":[\"VerifiableCredential\"],\"credentialSubject\":{\"@id\":\"http://example.org/data-asset-1\",\"@type\":\"gax:DataAsset\",\"gax:title\":\"Exampletitle\",\"gax:description\":\"Exampledescription\",\"gax:keyword\":[\"key\",\"word\"],\"gax:category\":[\"example\"],\"gax:publisher\":\"did:provider\",\"gax:creator\":\"?creatorDID\",\"gax:language\":\"http://id.loc.gov/vocabulary/iso639-1/en\",\"gax:distribution\":{\"gax:title\":\"Exampledistributiontitle\",\"gax:description\":\"Exampledistributiondescription\",\"gax:created\":\"2021-01-23T18:25:43.511Z\",\"gax:modified\":\"2021-01-25T12:20:34.007Z\",\"gax:mediaType\":\"text/csv\",\"gax:byteSize\":\"100000\",\"gax:accessURL\":\"www.example.com/data/example.csv\"},\"gax:created\":\"2021-01-23T12:21:23.876Z\",\"gax:modified\":\"2021-01-24T14:45:03.517Z\",\"gax:containsPersonalData\":false,\"gax:sampleAvailable\":false,\"gax:contractOffer\":{\"@type\":\"gax-GX-DCS:contractOffer\",\"gax:choiceOfLaw\":\"iso:Germany\",\"gax:generalTerms\":\"Exampletextforthegeneralterms\",\"gax:confirmationRequired\":false,\"gax:loggingMode\":\"gax:LoggingMandatory\",\"gax:circulationDetails\":\"Exampletextforthecirculationdetails\",\"gax:permission\":{\"@type\":\"gax:Permission\",\"gax:assigner\":\"?providerDID\",\"gax:target\":\"?AssetURI\",\"gax:action\":\"gax:USE\",\"gax:negotiable\":false,\"gax:postDuty\":{\"@type\":\"gax:Duty\",\"gax:action\":{\"@id\":\"gax:LOG\"}}}},\"gax:consumer\":\"did:consumer\"},\"issuanceDate\":\"2021-01-23T12:21:23.876Z\",\"issuer\":\"did:consumer:controller\",\"proof\":[{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-16T18:44:24Z\",\"verificationMethod\":\"did:provider:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OK5LRGOFDxHETGEPXvFWqoCM540egHyAPnrBi6pskyRIwdA9ZUf-U6aYsMYJduTNk9w6u98M18XU4Tn5S7rmBg\"},{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-18T10:41:35Z\",\"verificationMethod\":\"did:consumer:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..Z3TevpLn-1MEc4hIdvmocc4uSWL-Y0xNoXuc8Pqp2H3u2N8SRC1QDr7oKE1lCiILf5B\_npG61H4zWmuVcX0GBw\"}]}]}"  Then the system should respond with code 201 (Created)  And Response Body should contain contract details  "{\"@context\":[\"https://www.w3.org/2018/credentials/v1\"],\"type\":[\"VerifiablePresentation\"],\"verifiableCredential\":[{\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":[\"VerifiableCredential\"],\"credentialSubject\":{\"@id\":\"http://example.org/data-asset-1\",\"@type\":\"gax:DataAsset\",\"gax:title\":\"Exampletitle\",\"gax:description\":\"Exampledescription\",\"gax:keyword\":[\"key\",\"word\"],\"gax:category\":[\"example\"],\"gax:publisher\":\"did:provider\",\"gax:creator\":\"?creatorDID\",\"gax:language\":\"http://id.loc.gov/vocabulary/iso639-1/en\",\"gax:distribution\":{\"gax:title\":\"Exampledistributiontitle\",\"gax:description\":\"Exampledistributiondescription\",\"gax:created\":\"2021-01-23T18:25:43.511Z\",\"gax:modified\":\"2021-01-25T12:20:34.007Z\",\"gax:mediaType\":\"text/csv\",\"gax:byteSize\":\"100000\",\"gax:accessURL\":\"www.example.com/data/example.csv\"},\"gax:created\":\"2021-01-23T12:21:23.876Z\",\"gax:modified\":\"2021-01-24T14:45:03.517Z\",\"gax:containsPersonalData\":false,\"gax:sampleAvailable\":false,\"gax:contractOffer\":{\"@type\":\"gax-GX-DCS:contractOffer\",\"gax:choiceOfLaw\":\"iso:Germany\",\"gax:generalTerms\":\"Exampletextforthegeneralterms\",\"gax:confirmationRequired\":false,\"gax:loggingMode\":\"gax:LoggingMandatory\",\"gax:circulationDetails\":\"Exampletextforthecirculationdetails\",\"gax:permission\":[{\"@type\":\"gax:Permission\",\"gax:assigner\":\"?providerDID\",\"gax:target\":\"?AssetURI\",\"gax:action\":\"gax:USE\",\"gax:negotiable\":false,\"gax:postDuty\":{\"@type\":\"gax:Duty\",\"gax:action\":{\"@id\":\"gax:LOG\"}}}]},\"gax:consumer\":\"did:consumer\"},\"issuanceDate\":\"2021-01-23T12:21:23.876Z\",\"issuer\":\"did:consumer:controller\",\"proof\":[{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-16T18:44:24Z\",\"verificationMethod\":\"did:provider:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OK5LRGOFDxHETGEPXvFWqoCM540egHyAPnrBi6pskyRIwdA9ZUf-U6aYsMYJduTNk9w6u98M18XU4Tn5S7rmBg\"},{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-18T10:41:35Z\",\"verificationMethod\":\"did:consumer:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..Z3TevpLn-1MEc4hIdvmocc4uSWL-Y0xNoXuc8Pqp2H3u2N8SRC1QDr7oKE1lCiILf5B\_npG61H4zWmuVcX0GBw\"}]}],\"proof\":{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-11-09T10:42:49Z\",\"verificationMethod\":\"did:dcs:key:123\",\"proofPurpose\":\"authentication\",\"challenge\":\"3f539ff9-64e8-4e29-98fe-a8c8c19ae5dc\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..YMj7wNWieHPFxEbO3e4Bcx7pW93zALkpvjeeuzLqlEftZ6Udq8oIgFFSC6B0hbcVJvPxq12iNpfHFnEHkNkNCA\"}}" |
| **Status** | PASSED |

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| **ID** | **DCS09** |
| **Title** | **Make Contract - confirmationRequired:True** |
| **Functionality** | **GX-DCS.FR.016 - No confirmation requirement** |
| **Scenario** | Scenario: Make Contract - confirmationRequired:True  Given I want to make a contract  When a POST request is made to {{host}}/make/contract with "gax:confirmationRequired": true  {\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":\"VerifiablePresentation\",\"verifiableCredential\":[{\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":[\"VerifiableCredential\"],\"credentialSubject\":{\"@id\":\"http://example.org/data-asset-1\",\"@type\":\"gax:DataAsset\",\"gax:title\":\"Exampletitle\",\"gax:description\":\"Exampledescription\",\"gax:keyword\":[\"key\",\"word\"],\"gax:category\":[\"example\"],\"gax:publisher\":\"did:provider\",\"gax:creator\":\"?creatorDID\",\"gax:language\":\"http://id.loc.gov/vocabulary/iso639-1/en\",\"gax:distribution\":{\"gax:title\":\"Exampledistributiontitle\",\"gax:description\":\"Exampledistributiondescription\",\"gax:created\":\"2021-01-23T18:25:43.511Z\",\"gax:modified\":\"2021-01-25T12:20:34.007Z\",\"gax:mediaType\":\"text/csv\",\"gax:byteSize\":\"100000\",\"gax:accessURL\":\"www.example.com/data/example.csv\"},\"gax:created\":\"2021-01-23T12:21:23.876Z\",\"gax:modified\":\"2021-01-24T14:45:03.517Z\",\"gax:containsPersonalData\":false,\"gax:sampleAvailable\":false,\"gax:contractOffer\":{\"@type\":\"gax-GX-DCS:contractOffer\",\"gax:choiceOfLaw\":\"iso:Germany\",\"gax:generalTerms\":\"Exampletextforthegeneralterms\",\"gax:confirmationRequired\":true,\"gax:loggingMode\":\"gax:LoggingMandatory\",\"gax:circulationDetails\":\"Exampletextforthecirculationdetails\",\"gax:permission\":{\"@type\":\"gax:Permission\",\"gax:assigner\":\"?providerDID\",\"gax:target\":\"?AssetURI\",\"gax:action\":\"gax:USE\",\"gax:negotiable\":false,\"gax:postDuty\":{\"@type\":\"gax:Duty\",\"gax:action\":{\"@id\":\"gax:LOG\"}}}},\"gax:consumer\":\"did:consumer\"},\"issuanceDate\":\"2021-01-23T12:21:23.876Z\",\"issuer\":\"did:consumer:controller\",\"proof\":[{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-16T18:44:24Z\",\"verificationMethod\":\"did:provider:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OK5LRGOFDxHETGEPXvFWqoCM540egHyAPnrBi6pskyRIwdA9ZUf-U6aYsMYJduTNk9w6u98M18XU4Tn5S7rmBg\"},{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-18T10:41:35Z\",\"verificationMethod\":\"did:consumer:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..Z3TevpLn-1MEc4hIdvmocc4uSWL-Y0xNoXuc8Pqp2H3u2N8SRC1QDr7oKE1lCiILf5B\_npG61H4zWmuVcX0GBw\"}]}]}  Then the system should respond with code 400 (Bad request)  And Response Body should contain an error like  { "statusCode": 400, "message": "Forbidden – No confirmation should be required.", "stack": "ValidationException: Forbidden – No confirmation should be required.\n at ..." } |
| **Status** | PASSED |

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| **ID** | **DCS10** |
| **Title** | **Make Contract - negociable:True** |
| **Functionality** | **GX-DCS.FR.015 - Only non-negotiable** |
| **Scenario** | Scenario: Make Contract - negociable:True  Given I want to make a contract  When a POST request is made to {{host}}/make/contract with "gax:negociable":True  {\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":\"VerifiablePresentation\",\"verifiableCredential\":[{\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":[\"VerifiableCredential\"],\"credentialSubject\":{\"@id\":\"http://example.org/data-asset-1\",\"@type\":\"gax:DataAsset\",\"gax:title\":\"Exampletitle\",\"gax:description\":\"Exampledescription\",\"gax:keyword\":[\"key\",\"word\"],\"gax:category\":[\"example\"],\"gax:publisher\":\"did:provider\",\"gax:creator\":\"?creatorDID\",\"gax:language\":\"http://id.loc.gov/vocabulary/iso639-1/en\",\"gax:distribution\":{\"gax:title\":\"Exampledistributiontitle\",\"gax:description\":\"Exampledistributiondescription\",\"gax:created\":\"2021-01-23T18:25:43.511Z\",\"gax:modified\":\"2021-01-25T12:20:34.007Z\",\"gax:mediaType\":\"text/csv\",\"gax:byteSize\":\"100000\",\"gax:accessURL\":\"www.example.com/data/example.csv\"},\"gax:created\":\"2021-01-23T12:21:23.876Z\",\"gax:modified\":\"2021-01-24T14:45:03.517Z\",\"gax:containsPersonalData\":false,\"gax:sampleAvailable\":false,\"gax:contractOffer\":{\"@type\":\"gax-GX-DCS:contractOffer\",\"gax:choiceOfLaw\":\"iso:Germany\",\"gax:generalTerms\":\"Exampletextforthegeneralterms\",\"gax:confirmationRequired\":false,\"gax:loggingMode\":\"gax:LoggingMandatory\",\"gax:circulationDetails\":\"Exampletextforthecirculationdetails\",\"gax:permission\":{\"@type\":\"gax:Permission\",\"gax:assigner\":\"?providerDID\",\"gax:target\":\"?AssetURI\",\"gax:action\":\"gax:USE\",\"gax:negotiable\":true,\"gax:postDuty\":{\"@type\":\"gax:Duty\",\"gax:action\":{\"@id\":\"gax:LOG\"}}}},\"gax:consumer\":\"did:consumer\"},\"issuanceDate\":\"2021-01-23T12:21:23.876Z\",\"issuer\":\"did:consumer:controller\",\"proof\":[{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-16T18:44:24Z\",\"verificationMethod\":\"did:provider:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OK5LRGOFDxHETGEPXvFWqoCM540egHyAPnrBi6pskyRIwdA9ZUf-U6aYsMYJduTNk9w6u98M18XU4Tn5S7rmBg\"},{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-18T10:41:35Z\",\"verificationMethod\":\"did:consumer:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..Z3TevpLn-1MEc4hIdvmocc4uSWL-Y0xNoXuc8Pqp2H3u2N8SRC1QDr7oKE1lCiILf5B\_npG61H4zWmuVcX0GBw\"}]}]}  Then the system should respond with code 400 (Bad Request)  And Response Body should contain an error like  { "statusCode": 400, "message": "Forbidden – Data Asset is negotiable", "stack": "ValidationException: Forbidden – Data Asset is negotiable\n at ..." } |
| **Status** | PASSED |

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| **ID** | **DCS11** |
| **Title** | **Make Contract - invalid body** |
| **Functionality** | **GX-DCS.FR.022 - Make Agreement error handling** |
| **Scenario** | Scenario: Make Contract - invalid body  Given I want to register a contract  When a POST request is made to {{host}}/make/contract with an invalid body (missing required fields/objects)  {\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":\"VerifiablePresentation\",\"verifiableCredential\":[{\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":[\"VerifiableCredential\"],\"credentialSubject\":{\"@id\":\"http://example.org/data-asset-1\",\"@type\":\"gax:DataAsset\",\"gax:title\":\"Exampletitle\",\"gax:description\":\"Exampledescription\",\"gax:keyword\":[\"key\",\"word\"],\"gax:category\":[\"example\"],\"gax:publisher\":\"did:provider\",\"gax:creator\":\"?creatorDID\",\"gax:language\":\"http://id.loc.gov/vocabulary/iso639-1/en\",\"gax:distribution\":{\"gax:title\":\"Exampledistributiontitle\",\"gax:description\":\"Exampledistributiondescription\",\"gax:created\":\"2021-01-23T18:25:43.511Z\",\"gax:modified\":\"2021-01-25T12:20:34.007Z\",\"gax:mediaType\":\"text/csv\",\"gax:byteSize\":\"100000\",\"gax:accessURL\":\"www.example.com/data/example.csv\"},\"gax:created\":\"2021-01-23T12:21:23.876Z\",\"gax:modified\":\"2021-01-24T14:45:03.517Z\",\"gax:containsPersonalData\":false,\"gax:sampleAvailable\":false,\"gax:consumer\":\"did:consumer\"},\"issuanceDate\":\"2021-01-23T12:21:23.876Z\",\"issuer\":\"did:consumer:controller\",\"proof\":[{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-16T18:44:24Z\",\"verificationMethod\":\"did:provider:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OK5LRGOFDxHETGEPXvFWqoCM540egHyAPnrBi6pskyRIwdA9ZUf-U6aYsMYJduTNk9w6u98M18XU4Tn5S7rmBg\"},{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-18T10:41:35Z\",\"verificationMethod\":\"did:consumer:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..Z3TevpLn-1MEc4hIdvmocc4uSWL-Y0xNoXuc8Pqp2H3u2N8SRC1QDr7oKE1lCiILf5B\_npG61H4zWmuVcX0GBw\"}]}]}  Then the system should respond with code 400 (Bad Request)  And Response Body should contain an error like  { "statusCode": 400, "message": ["verifiableCredential.0.credentialSubject.gax:contractOffer must be an object"], "error": "Bad Request" } |
| **Status** | PASSED |

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| **ID** | **DCS12** |
| **Title** | **Make Contract - not allowed method** |
| **Functionality** | **GX-DCS.FR.022 - Make Agreement error handling** |
| **Scenario** | Scenario: Make Contract - not allowed method  Given I want to register a contract  When a PUT/PATCH/DELETE request is made to {{host}}/make/contract  {\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":\"VerifiablePresentation\",\"verifiableCredential\":[{\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":[\"VerifiableCredential\"],\"credentialSubject\":{\"@id\":\"http://example.org/data-asset-1\",\"@type\":\"gax:DataAsset\",\"gax:title\":\"Exampletitle\",\"gax:description\":\"Exampledescription\",\"gax:keyword\":[\"key\",\"word\"],\"gax:category\":[\"example\"],\"gax:publisher\":\"did:provider\",\"gax:creator\":\"?creatorDID\",\"gax:language\":\"http://id.loc.gov/vocabulary/iso639-1/en\",\"gax:distribution\":{\"gax:title\":\"Exampledistributiontitle\",\"gax:description\":\"Exampledistributiondescription\",\"gax:created\":\"2021-01-23T18:25:43.511Z\",\"gax:modified\":\"2021-01-25T12:20:34.007Z\",\"gax:mediaType\":\"text/csv\",\"gax:byteSize\":\"100000\",\"gax:accessURL\":\"www.example.com/data/example.csv\"},\"gax:created\":\"2021-01-23T12:21:23.876Z\",\"gax:modified\":\"2021-01-24T14:45:03.517Z\",\"gax:containsPersonalData\":false,\"gax:sampleAvailable\":false,\"gax:contractOffer\":{\"@type\":\"gax-GX-DCS:contractOffer\",\"gax:choiceOfLaw\":\"iso:Germany\",\"gax:generalTerms\":\"Exampletextforthegeneralterms\",\"gax:confirmationRequired\":false,\"gax:loggingMode\":\"gax:LoggingMandatory\",\"gax:circulationDetails\":\"Exampletextforthecirculationdetails\",\"gax:permission\":{\"@type\":\"gax:Permission\",\"gax:assigner\":\"?providerDID\",\"gax:target\":\"?AssetURI\",\"gax:action\":\"gax:USE\",\"gax:negotiable\":false,\"gax:postDuty\":{\"@type\":\"gax:Duty\",\"gax:action\":{\"@id\":\"gax:LOG\"}}}},\"gax:consumer\":\"did:consumer\"},\"issuanceDate\":\"2021-01-23T12:21:23.876Z\",\"issuer\":\"did:consumer:controller\",\"proof\":[{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-16T18:44:24Z\",\"verificationMethod\":\"did:provider:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OK5LRGOFDxHETGEPXvFWqoCM540egHyAPnrBi6pskyRIwdA9ZUf-U6aYsMYJduTNk9w6u98M18XU4Tn5S7rmBg\"},{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-18T10:41:35Z\",\"verificationMethod\":\"did:consumer:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..Z3TevpLn-1MEc4hIdvmocc4uSWL-Y0xNoXuc8Pqp2H3u2N8SRC1QDr7oKE1lCiILf5B\_npG61H4zWmuVcX0GBw\"}]}]}  Then the system should respond with code 404 (Not Found)  And Response Body should contain an error like  { "statusCode": 404, "message": "Cannot DELETE /make/contract",  "stack": "NotFoundException: Cannot DELETE /make/contract\n at callback ..." } |
| **Status** | PASSED |

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| **ID** | **DCS13** |
| **Title** | **Negociate - valid body** |
| **Functionality** | **GX-DCS.IR.005 - Contract Negotiation Endpoint** |
| **Scenario** | Scenario: Negociate - valid body  Given I want to negogiate a contract  When a POST request is made to {{host}}/negociate with a valid body  {\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":\"VerifiablePresentation\",\"verifiableCredential\":[{\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":[\"VerifiableCredential\"],\"credentialSubject\":{\"@id\":\"http://example.org/data-asset-1\",\"@type\":\"gax:DataAsset\",\"gax:title\":\"Exampletitle\",\"gax:description\":\"Exampledescription\",\"gax:keyword\":[\"key\",\"word\"],\"gax:category\":[\"example\"],\"gax:publisher\":\"did:provider\",\"gax:creator\":\"?creatorDID\",\"gax:language\":\"http://id.loc.gov/vocabulary/iso639-1/en\",\"gax:distribution\":{\"gax:title\":\"Exampledistributiontitle\",\"gax:description\":\"Exampledistributiondescription\",\"gax:created\":\"2021-01-23T18:25:43.511Z\",\"gax:modified\":\"2021-01-25T12:20:34.007Z\",\"gax:mediaType\":\"text/csv\",\"gax:byteSize\":\"100000\",\"gax:accessURL\":\"www.example.com/data/example.csv\"},\"gax:created\":\"2021-01-23T12:21:23.876Z\",\"gax:modified\":\"2021-01-24T14:45:03.517Z\",\"gax:containsPersonalData\":false,\"gax:sampleAvailable\":false,\"gax:contractOffer\":{\"@type\":\"gax-GX-DCS:contractOffer\",\"gax:choiceOfLaw\":\"iso:Germany\",\"gax:generalTerms\":\"Exampletextforthegeneralterms\",\"gax:confirmationRequired\":true,\"gax:loggingMode\":\"gax:LoggingMandatory\",\"gax:circulationDetails\":\"Exampletextforthecirculationdetails\",\"gax:permission\":{\"@type\":\"gax:Permission\",\"gax:assigner\":\"?providerDID\",\"gax:target\":\"?AssetURI\",\"gax:action\":\"gax:USE\",\"gax:negotiable\":true,\"gax:postDuty\":{\"@type\":\"gax:Duty\",\"gax:action\":{\"@id\":\"gax:LOG\"}}}},\"gax:consumer\":\"did:consumer\"},\"issuanceDate\":\"2021-01-23T12:21:23.876Z\",\"issuer\":\"did:consumer:controller\",\"proof\":[{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-18T12:08:01Z\",\"verificationMethod\":\"did:consumer:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..DoLrISDflookLjocrvWuHcK4MWfLLlJF7pde6g9QGe5nPsGAwuXXvisRqUx2bvPt-uvkF1CNm8iQxqnH3mCvBA\"}]}]}  Then the system should respond with code 201 (Created)  And Response Body should contain contract details  {\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":\"VerifiablePresentation\",\"verifiableCredential\":[{\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":[\"VerifiableCredential\"],\"credentialSubject\":{\"@id\":\"http://example.org/data-asset-1\",\"@type\":\"gax:DataAsset\",\"gax:title\":\"Exampletitle\",\"gax:description\":\"Exampledescription\",\"gax:keyword\":[\"key\",\"word\"],\"gax:category\":[\"example\"],\"gax:publisher\":\"did:provider\",\"gax:creator\":\"?creatorDID\",\"gax:language\":\"http://id.loc.gov/vocabulary/iso639-1/en\",\"gax:distribution\":{\"gax:title\":\"Exampledistributiontitle\",\"gax:description\":\"Exampledistributiondescription\",\"gax:created\":\"2021-01-23T18:25:43.511Z\",\"gax:modified\":\"2021-01-25T12:20:34.007Z\",\"gax:mediaType\":\"text/csv\",\"gax:byteSize\":\"100000\",\"gax:accessURL\":\"www.example.com/data/example.csv\"},\"gax:created\":\"2021-01-23T12:21:23.876Z\",\"gax:modified\":\"2021-01-24T14:45:03.517Z\",\"gax:containsPersonalData\":false,\"gax:sampleAvailable\":false,\"gax:contractOffer\":{\"@type\":\"gax-GX-DCS:contractOffer\",\"gax:choiceOfLaw\":\"iso:Germany\",\"gax:generalTerms\":\"Exampletextforthegeneralterms\",\"gax:confirmationRequired\":true,\"gax:loggingMode\":\"gax:LoggingMandatory\",\"gax:circulationDetails\":\"Exampletextforthecirculationdetails\",\"gax:permission\":[{\"@type\":\"gax:Permission\",\"gax:assigner\":\"?providerDID\",\"gax:target\":\"?AssetURI\",\"gax:action\":\"gax:USE\",\"gax:negotiable\":true,\"gax:postDuty\":{\"@type\":\"gax:Duty\",\"gax:action\":{\"@id\":\"gax:LOG\"}}}]},\"gax:consumer\":\"did:consumer\"},\"issuanceDate\":\"2021-01-23T12:21:23.876Z\",\"issuer\":\"did:consumer:controller\",\"proof\":[{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-18T12:08:01Z\",\"verificationMethod\":\"did:consumer:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..DoLrISDflookLjocrvWuHcK4MWfLLlJF7pde6g9QGe5nPsGAwuXXvisRqUx2bvPt-uvkF1CNm8iQxqnH3mCvBA\"}]}]} |
| **Status** | PASSED |

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| **ID** | **DCS14** |
| **Title** | **Negociate - generalTerms empty** |
| **Functionality** | **GX-DCS.FR.029 - Negotiation error handling** |
| **Scenario** | Scenario: Negociate - generalTerms empty  Given I want to negogiate a contract  When a POST request is made to {{host}}/negociate with "gax:generalTerms":""  {\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":\"VerifiablePresentation\",\"verifiableCredential\":[{\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":[\"VerifiableCredential\"],\"credentialSubject\":{\"@id\":\"http://example.org/data-asset-1\",\"@type\":\"gax:DataAsset\",\"gax:title\":\"Exampletitle\",\"gax:description\":\"Exampledescription\",\"gax:keyword\":[\"key\",\"word\"],\"gax:category\":[\"example\"],\"gax:publisher\":\"did:provider\",\"gax:creator\":\"?creatorDID\",\"gax:language\":\"http://id.loc.gov/vocabulary/iso639-1/en\",\"gax:distribution\":{\"gax:title\":\"Exampledistributiontitle\",\"gax:description\":\"Exampledistributiondescription\",\"gax:created\":\"2021-01-23T18:25:43.511Z\",\"gax:modified\":\"2021-01-25T12:20:34.007Z\",\"gax:mediaType\":\"text/csv\",\"gax:byteSize\":\"100000\",\"gax:accessURL\":\"www.example.com/data/example.csv\"},\"gax:created\":\"2021-01-23T12:21:23.876Z\",\"gax:modified\":\"2021-01-24T14:45:03.517Z\",\"gax:containsPersonalData\":false,\"gax:sampleAvailable\":false,\"gax:contractOffer\":{\"@type\":\"gax-GX-DCS:contractOffer\",\"gax:choiceOfLaw\":\"iso:Germany\",\"gax:generalTerms\":\"\",\"gax:confirmationRequired\":true,\"gax:loggingMode\":\"gax:LoggingMandatory\",\"gax:circulationDetails\":\"Exampletextforthecirculationdetails\",\"gax:permission\":{\"@type\":\"gax:Permission\",\"gax:assigner\":\"?providerDID\",\"gax:target\":\"?AssetURI\",\"gax:action\":\"gax:USE\",\"gax:negotiable\":true,\"gax:postDuty\":{\"@type\":\"gax:Duty\",\"gax:action\":{\"@id\":\"gax:LOG\"}}}},\"gax:consumer\":\"did:consumer\"},\"issuanceDate\":\"2021-01-23T12:21:23.876Z\",\"issuer\":\"did:consumer:controller\",\"proof\":[{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-18T12:08:01Z\",\"verificationMethod\":\"did:consumer:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..DoLrISDflookLjocrvWuHcK4MWfLLlJF7pde6g9QGe5nPsGAwuXXvisRqUx2bvPt-uvkF1CNm8iQxqnH3mCvBA\"}]}]}  Then the system should respond with code 403 (Forbidden)  And Response Body should contain an error like  { "statusCode": 403, "message": "Forbidden – Forbidden – the “general terms” are not empty, but the requesting Participant is not a human being", "stack": "ValidationException: Forbidden – Forbidden – the “general terms” are not empty, but the requesting Participant is not a human being\n at ..." } |
| **Status** | PASSED |

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| **ID** | **DCS15** |
| **Title** | **Negociate - valid body with hasLegallyBinding** |
| **Functionality** | **GX-DCS.IR.005 - Contract Negotiation Endpoint** |
| **Scenario** | Scenario: Negociate - valid body  Given I want to negogiate a contract  When a POST request is made to {{host}}/negociate with a valid body with hasLegallyBinding attribute  {\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":\"VerifiablePresentation\",\"verifiableCredential\":[{\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":[\"VerifiableCredential\"],\"credentialSubject\":{\"@id\":\"http://example.org/data-asset-1\",\"@type\":\"gax:DataAsset\",\"gax:title\":\"Exampletitle\",\"gax:description\":\"Exampledescription\",\"gax:keyword\":[\"key\",\"word\"],\"gax:category\":[\"example\"],\"gax:publisher\":\"did:provider\",\"gax:creator\":\"?creatorDID\",\"gax:language\":\"http://id.loc.gov/vocabulary/iso639-1/en\",\"gax:distribution\":{\"gax:title\":\"Exampledistributiontitle\",\"gax:description\":\"Exampledistributiondescription\",\"gax:created\":\"2021-01-23T18:25:43.511Z\",\"gax:modified\":\"2021-01-25T12:20:34.007Z\",\"gax:mediaType\":\"text/csv\",\"gax:byteSize\":\"100000\",\"gax:accessURL\":\"www.example.com/data/example.csv\",\"gax:hasLegallyBindingAddress\":\"www.example.com/fc/transfer-contract-offers?hasLegallyBindingAddress=something\"},\"gax:created\":\"2021-01-23T12:21:23.876Z\",\"gax:modified\":\"2021-01-24T14:45:03.517Z\",\"gax:containsPersonalData\":false,\"gax:sampleAvailable\":false,\"gax:contractOffer\":{\"@type\":\"gax-GX-DCS:contractOffer\",\"gax:choiceOfLaw\":\"iso:Germany\",\"gax:generalTerms\":\"Generalterms\",\"gax:confirmationRequired\":true,\"gax:loggingMode\":\"gax:LoggingMandatory\",\"gax:circulationDetails\":\"Exampletextforthecirculationdetails\",\"gax:permission\":{\"@type\":\"gax:Permission\",\"gax:assigner\":\"?providerDID\",\"gax:target\":\"?AssetURI\",\"gax:action\":\"gax:USE\",\"gax:negotiable\":true,\"gax:postDuty\":{\"@type\":\"gax:Duty\",\"gax:action\":{\"@id\":\"gax:LOG\"}}}},\"gax:consumer\":\"did:consumer\"},\"issuanceDate\":\"2021-01-23T12:21:23.876Z\",\"issuer\":\"did:consumer:controller\",\"proof\":[{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-18T12:21:27Z\",\"verificationMethod\":\"did:provider:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OkFFKeG-5-2DFpjyQcXfRN7F1B-Fz1B79PVJEiKI6Yj4-TuYCdvYCUKQwqlP\_qcfsKrVvO9lOkBSsL8JKUDBCA\"},{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-18T12:21:27Z\",\"verificationMethod\":\"did:consumer:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..8DQsBqiQDtGI6\_77WLqTiEwmW73hA5-Rd57pm959nokHDF1nujEATcYkR8n4oL3QfzZWcyWw0LxDFyCLGmqhAQ\"}]}]}  Then the system should respond with code 201 (Created)  And Response Body should contain contract details  {\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":\"VerifiablePresentation\",\"verifiableCredential\":[{\"@context\":[\"https://www.w3.org/2018/credentials/v1\",{\"@id\":\"https://gaia-dataasset.com/\",\"@context\":{\"@version\":1.1,\"id\":\"@id\",\"type\":\"@type\",\"credentialSubject\":{\"@id\":\"https://gaia-dataasset.com/credentialSubject\",\"@context\":{\"gax\":\"https://gaia-dataasset.com/\"}}}}],\"type\":[\"VerifiableCredential\"],\"credentialSubject\":{\"@id\":\"http://example.org/data-asset-1\",\"@type\":\"gax:DataAsset\",\"gax:title\":\"Exampletitle\",\"gax:description\":\"Exampledescription\",\"gax:keyword\":[\"key\",\"word\"],\"gax:category\":[\"example\"],\"gax:publisher\":\"did:provider\",\"gax:creator\":\"?creatorDID\",\"gax:language\":\"http://id.loc.gov/vocabulary/iso639-1/en\",\"gax:distribution\":{\"gax:title\":\"Exampledistributiontitle\",\"gax:description\":\"Exampledistributiondescription\",\"gax:created\":\"2021-01-23T18:25:43.511Z\",\"gax:modified\":\"2021-01-25T12:20:34.007Z\",\"gax:mediaType\":\"text/csv\",\"gax:byteSize\":\"100000\",\"gax:accessURL\":\"www.example.com/data/example.csv\",\"gax:hasLegallyBindingAddress\":\"www.example.com/fc/transfer-contract-offers?hasLegallyBindingAddress=something\"},\"gax:created\":\"2021-01-23T12:21:23.876Z\",\"gax:modified\":\"2021-01-24T14:45:03.517Z\",\"gax:containsPersonalData\":false,\"gax:sampleAvailable\":false,\"gax:contractOffer\":{\"@type\":\"gax-GX-DCS:contractOffer\",\"gax:choiceOfLaw\":\"iso:Germany\",\"gax:generalTerms\":\"Generalterms\",\"gax:confirmationRequired\":true,\"gax:loggingMode\":\"gax:LoggingMandatory\",\"gax:circulationDetails\":\"Exampletextforthecirculationdetails\",\"gax:permission\":[{\"@type\":\"gax:Permission\",\"gax:assigner\":\"?providerDID\",\"gax:target\":\"?AssetURI\",\"gax:action\":\"gax:USE\",\"gax:negotiable\":true,\"gax:postDuty\":{\"@type\":\"gax:Duty\",\"gax:action\":{\"@id\":\"gax:LOG\"}}}]},\"gax:consumer\":\"did:consumer\"},\"issuanceDate\":\"2021-01-23T12:21:23.876Z\",\"issuer\":\"did:consumer:controller\",\"proof\":[{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-18T12:21:27Z\",\"verificationMethod\":\"did:provider:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OkFFKeG-5-2DFpjyQcXfRN7F1B-Fz1B79PVJEiKI6Yj4-TuYCdvYCUKQwqlP\_qcfsKrVvO9lOkBSsL8JKUDBCA\"},{\"type\":\"Ed25519Signature2018\",\"created\":\"2022-08-18T12:21:27Z\",\"verificationMethod\":\"did:consumer:key:123\",\"proofPurpose\":\"assertionMethod\",\"jws\":\"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..8DQsBqiQDtGI6\_77WLqTiEwmW73hA5-Rd57pm959nokHDF1nujEATcYkR8n4oL3QfzZWcyWw0LxDFyCLGmqhAQ\"}]}]} |
| **Status** | PASSED |

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| **ID** | **DCS16** |
| **Title** | **Negociate - negociable:False** |
| **Functionality** | **GX-DCS.FR.027 - Negotiation policy conformance** |
| **Scenario** | Scenario: Negociate - negociable:False  Given I want to negogiate a contract  When a POST request is made to {{host}}/negociate with "gax:negotiable": false  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"Example text for the general terms","gax:confirmationRequired":true,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":false,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}},"gax:consumer":"did:consumer"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-18T12:08:01Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..DoLrISDflookLjocrvWuHcK4MWfLLlJF7pde6g9QGe5nPsGAwuXXvisRqUx2bvPt-uvkF1CNm8iQxqnH3mCvBA"}]}]}  Then the system should respond with code 430 (Unknown)  And Response Body should contain an error like  { "statusCode": 430, "message": "Data Asset is not negotiable", "stack": "HttpException: Data Asset is not negotiable\n at ..."} |
| **Status** | PASSED |

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| **ID** | **DCS17** |
| **Title** | **Negociate - confirmationRequired:False** |
| **Functionality** | **GX-DCS.FR.027 - Negotiation policy conformance** |
| **Scenario** | Scenario: Negociate - confirmationRequired:False  Given I want to negogiate a contract  When a POST request is made to {{host}}/negociate with "gax:confirmationRequired":false  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"Example text for the general terms","gax:confirmationRequired":false,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":true,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}},"gax:consumer":"did:consumer"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-18T12:08:01Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..DoLrISDflookLjocrvWuHcK4MWfLLlJF7pde6g9QGe5nPsGAwuXXvisRqUx2bvPt-uvkF1CNm8iQxqnH3mCvBA"}]}]}  Then the system should respond with code 430 (Unknown)  And Response Body should contain an error like  {"statusCode":430,"message":"Forbidden – Data Asset should have confirmation required","stack":"ValidationException: Forbidden – Data Asset should have confirmation required\n at ..."} |
| **Status** | PASSED |

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| **ID** | **DCS18** |
| **Title** | **Negociate - invalid body** |
| **Functionality** | **GX-DCS.FR.029 - Negotiation error handling** |
| **Scenario** | Scenario: Negociate - invalid body  Given I want to negogiate a contract  When a POST request is made to {{host}}/negociate with an invalid body (missing required fields/objects)  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{}]}  Then the system should respond with code 400 (Bad request)  And Response Body should contain an error like  {"statusCode":400,"message":["verifiableCredential.0.credentialSubject should not be empty","verifiableCredential.0.credentialSubject must be an object","verifiableCredential.0.issuer should not be empty","verifiableCredential.0.issuer must be a string"],"error":"Bad Request"} |
| **Status** | PASSED |

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| **ID** | **DCS19** |
| **Title** | **Negociate - not allowed method** |
| **Functionality** | **GX-DCS.FR.029 - Negotiation error handling** |
| **Scenario** | Scenario: Negociate - not allowed method  Given I want to negogiate a contract  When a PUT/PATCH/DELETE request is made to {{host}}/negociate  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"Example text for the general terms","gax:confirmationRequired":true,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":true,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}},"gax:consumer":"did:consumer"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-18T12:08:01Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..DoLrISDflookLjocrvWuHcK4MWfLLlJF7pde6g9QGe5nPsGAwuXXvisRqUx2bvPt-uvkF1CNm8iQxqnH3mCvBA"}]}]}  Then the system should respond with code 404 (Not Found)  And Response Body should contain an error like  {"statusCode":404,"message":"Cannot PUT /negotiate","stack":"NotFoundException: Cannot PUT /negotiate\n at callback ..."} |
| **Status** | PASSED |

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| **ID** | **DCS20** |
| **Title** | **Finalize - valid body** |
| **Functionality** | **GX-DCS.IR.006 - Finalize Endpoint** |
| **Scenario** | Scenario: Finalize - valid body  Given I want to finalize a contract  When a POST request is made to {{host}}/finalize with a valid body  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv","gax:hasLegallyBindingAddress":"www.example.com/fc/transfer-contract-offers?hasLegallyBindingAddress=something"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"General terms","gax:confirmationRequired":true,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":true,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}},"gax:consumer":"did:consumer"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OkFFKeG-5-2DFpjyQcXfRN7F1B-Fz1B79PVJEiKI6Yj4-TuYCdvYCUKQwqlP\_qcfsKrVvO9lOkBSsL8JKUDBCA"},{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..8DQsBqiQDtGI6\_77WLqTiEwmW73hA5-Rd57pm959nokHDF1nujEATcYkR8n4oL3QfzZWcyWw0LxDFyCLGmqhAQ"}]}]}  Then the system should respond with code 201 (Created)  And Response Body should contain contract details with proof  {"@context":["https://www.w3.org/2018/credentials/v1"],"type":["VerifiablePresentation"],"verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv","gax:hasLegallyBindingAddress":"www.example.com/fc/transfer-contract-offers?hasLegallyBindingAddress=something"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"General terms","gax:confirmationRequired":true,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":[{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":true,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}]},"gax:consumer":"did:consumer"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OkFFKeG-5-2DFpjyQcXfRN7F1B-Fz1B79PVJEiKI6Yj4-TuYCdvYCUKQwqlP\_qcfsKrVvO9lOkBSsL8JKUDBCA"},{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..8DQsBqiQDtGI6\_77WLqTiEwmW73hA5-Rd57pm959nokHDF1nujEATcYkR8n4oL3QfzZWcyWw0LxDFyCLGmqhAQ"}]}],"proof":{"type":"Ed25519Signature2018","created":"2022-11-09T12:24:13Z","verificationMethod":"did:dcs:key:123","proofPurpose":"authentication","challenge":"fee8a23d-1077-4a38-9742-a6dd01038a61","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..yyHNWUZBJQk9wB8hcK3SvZTt5Za3ENFTe2DqN-UfSV27PQxPlMpyZEnIYs0fyY0Sd33\_RX2uhs8InzCLnWGKAA"}} |
| **Status** | PASSED |

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| **ID** | **DCS21** |
| **Title** | **Finalize - valid body with hasLegallyBindingAddress** |
| **Functionality** | **GX-DCS.IR.006 - Finalize Endpoint** |
| **Scenario** | Scenario: Finalize - valid body  Given I want to finalize a contract  When a POST request is made to {{host}}/finalize with a valid body with hasLegallyBindingAddress  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv","gax:hasLegallyBindingAddress":"www.example.com/fc/transfer-contract-offers?hasLegallyBindingAddress=something"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"General terms","gax:confirmationRequired":true,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":true,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}},"gax:consumer":"did:consumer"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OkFFKeG-5-2DFpjyQcXfRN7F1B-Fz1B79PVJEiKI6Yj4-TuYCdvYCUKQwqlP\_qcfsKrVvO9lOkBSsL8JKUDBCA"},{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..8DQsBqiQDtGI6\_77WLqTiEwmW73hA5-Rd57pm959nokHDF1nujEATcYkR8n4oL3QfzZWcyWw0LxDFyCLGmqhAQ"}]}]}  Then the system should respond with code 201 (Created)  And Response Body should contain contract details with proof  {"@context":["https://www.w3.org/2018/credentials/v1"],"type":["VerifiablePresentation"],"verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv","gax:hasLegallyBindingAddress":"www.example.com/fc/transfer-contract-offers?hasLegallyBindingAddress=something"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"General terms","gax:confirmationRequired":true,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":[{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":true,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}]},"gax:consumer":"did:consumer"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OkFFKeG-5-2DFpjyQcXfRN7F1B-Fz1B79PVJEiKI6Yj4-TuYCdvYCUKQwqlP\_qcfsKrVvO9lOkBSsL8JKUDBCA"},{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..8DQsBqiQDtGI6\_77WLqTiEwmW73hA5-Rd57pm959nokHDF1nujEATcYkR8n4oL3QfzZWcyWw0LxDFyCLGmqhAQ"}]}],"proof":{"type":"Ed25519Signature2018","created":"2022-11-09T12:27:55Z","verificationMethod":"did:dcs:key:123","proofPurpose":"authentication","challenge":"40c2b217-68b2-40f1-b166-3b4449b93192","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..y-uTeafD1BK2M-yHNVT5qL3zKo1tgtgEZIv7NLOSiS7n06FGtS1kQ4BkDdoIGZTwWVoSVBRfaHIdhOS70k-CBQ"}} |
| **Status** | PASSED |

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| **ID** | **DCS22** |
| **Title** | **Finalize - invalid body** |
| **Functionality** | **GX-DCS.FR.036 - Finalization error handling** |
| **Scenario** | Scenario: Finalize - invalid body  Given I want to finalize a contract  When a POST request is made to {{host}}/finalize with an invalid body (missing required fields/objects)  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{}]}  Then the system should respond with code 400 (Bad Request)  And Response Body should contain an error like  {"statusCode":400,"message":["verifiableCredential.0.credentialSubject should not be empty","verifiableCredential.0.credentialSubject must be an object","verifiableCredential.0.issuer should not be empty","verifiableCredential.0.issuer must be a string"],"error":"Bad Request"} |
| **Status** | PASSED |

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| **ID** | **DCS23** |
| **Title** | **Finalize - not allowed method** |
| **Functionality** | **GX-DCS.FR.036 - Finalization error handling** |
| **Scenario** | Finalize - not allowed method  Given I want to finalize a contract  When a PUT/PATCH/DELETE request is made to {{host}}/finalize with a valid body  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv","gax:hasLegallyBindingAddress":"www.example.com/fc/transfer-contract-offers?hasLegallyBindingAddress=something"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"General terms","gax:confirmationRequired":true,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":true,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}},"gax:consumer":"did:consumer"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OkFFKeG-5-2DFpjyQcXfRN7F1B-Fz1B79PVJEiKI6Yj4-TuYCdvYCUKQwqlP\_qcfsKrVvO9lOkBSsL8JKUDBCA"},{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..8DQsBqiQDtGI6\_77WLqTiEwmW73hA5-Rd57pm959nokHDF1nujEATcYkR8n4oL3QfzZWcyWw0LxDFyCLGmqhAQ"}]}]}  Then the system should respond with code 404 (Not Found)  And Response Body should contain an error like  {"statusCode":404,"message":"Cannot PUT /finalize","stack":"NotFoundException: Cannot PUT /finalize\n at callback ..."} |
| **Status** | PASSED |

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| **ID** | **DCS24** |
| **Title** | **Validate - valid contract** |
| **Functionality** | **GX-DCS.FR.043 - Validation End-point** |
| **Scenario** | Scenario: Validate - valid contract  Given I want to validate a contract  When a POST request is made to {{host}}/validate with a valid contract  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv","gax:hasLegallyBindingAddress":"www.example.com/fc/transfer-contract-offers?hasLegallyBindingAddress=something"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"General terms","gax:confirmationRequired":true,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":true,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}},"gax:consumer":"did:consumer"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OkFFKeG-5-2DFpjyQcXfRN7F1B-Fz1B79PVJEiKI6Yj4-TuYCdvYCUKQwqlP\_qcfsKrVvO9lOkBSsL8JKUDBCA"},{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..8DQsBqiQDtGI6\_77WLqTiEwmW73hA5-Rd57pm959nokHDF1nujEATcYkR8n4oL3QfzZWcyWw0LxDFyCLGmqhAQ"}]}]}  Then the system should respond with code 201 (Created)  And Response Body should contain  {"isValid": true} |
| **Status** | PASSED |

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| **ID** | **DCS25** |
| **Title** | **Validate - invalid contract** |
| **Functionality** | **GX-DCS.FR.043 - Validation End-point** |
| **Scenario** | Scenario: Validate - invalid contract  Given I want to validate a contract  When a POST request is made to {{host}}/validate with an invalid contract  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv","gax:hasLegallyBindingAddress":"www.example.com/fc/transfer-contract-offers?hasLegallyBindingAddress=something"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"General terms","gax:confirmationRequired":true,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":true,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}},"gax:consumer":"did:consumer"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OkFFKeG-5-2DFpjyQcXfRN7F1B-Fz1B79PVJEiKI6Yj4-TuYCdvYCUKQwqlP\_qcfsKrVvO9lOkBSsL8JKUDBCA"},{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..8DQsBqiQDtGI6\_77WLqTiEwmW73hA5-Rd57pm959nokHDF1nujEATcYkR8n4oL3QfzZWcyWw0LxDFyCLGmqhAQ"}]}]}  Then the system should respond with code 201 (Created)  And Response Body should contain  { "isValid": false } |
| **Status** | PASSED |

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| **ID** | **DCS26** |
| **Title** | **Validate - invalid body** |
| **Functionality** | **GX-DCS.FR.049 - Validation error handling** |
| **Scenario** | Scenario: Validate - invalid body  Given I want to validate a contract  When a POST request is made to {{host}}/validate with an invalid body (missing required fields/objects)  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{}]}  Then the system should respond with code 400 (Bad Request)  And Response Body should contain an error like  {"statusCode":400,"message":["verifiableCredential.0.credentialSubject should not be empty","verifiableCredential.0.credentialSubject must be an object","verifiableCredential.0.issuer should not be empty","verifiableCredential.0.issuer must be a string"],"error":"Bad Request"} |
| **Status** | PASSED |

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| **ID** | **DCS27** |
| **Title** | **Validate - not allowed method** |
| **Functionality** | **GX-DCS.FR.049 - Validation error handling** |
| **Scenario** | Scenario: Validate - not allowed method  Given I want to validate a contract  When a PUT/PATCH/DELETE request is made to {{host}}/validate  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv","gax:hasLegallyBindingAddress":"www.example.com/fc/transfer-contract-offers?hasLegallyBindingAddress=something"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"General terms","gax:confirmationRequired":true,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":true,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}},"gax:consumer":"did:consumer"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..OkFFKeG-5-2DFpjyQcXfRN7F1B-Fz1B79PVJEiKI6Yj4-TuYCdvYCUKQwqlP\_qcfsKrVvO9lOkBSsL8JKUDBCA"},{"type":"Ed25519Signature2018","created":"2022-08-18T12:21:27Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..8DQsBqiQDtGI6\_77WLqTiEwmW73hA5-Rd57pm959nokHDF1nujEATcYkR8n4oL3QfzZWcyWw0LxDFyCLGmqhAQ"}]}]}  Then the system should respond with code 404 (Not Found)  And Response Body should contain an error like  { "statusCode": 404, "message": "Cannot PUT /finalize", "stack": "NotFoundException: Cannot PUT /validate\n at callback ..." } |
| **Status** | PASSED |

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| **ID** | **DCS28** |
| **Title** | **Log Token - valid body** |
| **Functionality** | **GX-DCS.FR.037 - Log Token End-point** |
| **Scenario** | Scenario: Log token- valid body  Given I want to log token of a contract  When a POST request is made to {{host}}/log/token with a valid body  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"Example text for the general terms","gax:confirmationRequired":true,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":true,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}},"gax:consumer":"did:consumer"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-18T11:44:00Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..ieCyMp8oMtVE2zMDYWL07hkANsz5syIC0Yaw87Jdx2YAUKVHiirk6VLUulWrDCZ8-iKXJv46opITve-JPMLkBA"},{"type":"Ed25519Signature2018","created":"2022-08-18T11:44:00Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..hbbqErEopdA7UACef6agezOzHavpqybGRkFVdZFJpARgY2\_khDvHN8iq5\_48u50u-vN5A4RNQXyf0L65h8S\_Cw"}]}]}  Then the system should respond with code 201 (Created)  And Response Body should looks like  {"gax-dcs:logID":"c8f23abb-85a8-40f2-b196-b89a54e21a6f","gax-dcs:dataTransactionID":"123","gax-dcs:contractID":"123","iss":"(Logging service ID)","sub":"(Participant ID)","aud":"(GX-DELS identifier)","exp":null} |
| **Status** | PASSED |

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| **ID** | **DCS29** |
| **Title** | **Log Token - invalid body** |
| **Functionality** | **GX-DCS.FR.042 - Log Token error handling** |
| **Scenario** | Scenario: Log token- invalid body  Given I want to log token of a contract  When a POST request is made to {{host}}/log/token with an invalid body (missing required fields/objects)  {"@context":["https://www.w3.org/2018/credentials/v1",{}],"type":"VerifiablePresentation","verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"Example text for the general terms","gax:confirmationRequired":true,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":true,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}},"gax:consumer":"did:consumer"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-18T11:44:00Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..ieCyMp8oMtVE2zMDYWL07hkANsz5syIC0Yaw87Jdx2YAUKVHiirk6VLUulWrDCZ8-iKXJv46opITve-JPMLkBA"},{"type":"Ed25519Signature2018","created":"2022-08-18T11:44:00Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..hbbqErEopdA7UACef6agezOzHavpqybGRkFVdZFJpARgY2\_khDvHN8iq5\_48u50u-vN5A4RNQXyf0L65h8S\_Cw"}]}]}  Then the system should respond with code 400 (Bad Request)  And Response Body should contain an error like  {"statusCode":400,"message":["VerifiableCredential must be an object"],"error":"Bad Request"} |
| **Status** | PASSED |

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| **ID** | **DCS30** |
| **Title** | **Log Token - not allowed method** |
| **Functionality** | **GX-DCS.FR.042 - Log Token error handling** |
| **Scenario** | Scenario: Log token- not allowed method  Given I want to log token of a contract  When a PUT/PATCH/DELETE request is made to {{host}}/log/token  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":"VerifiablePresentation","verifiableCredential":[{"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataasset.com/","@context":{"@version":1.1,"id":"@id","type":"@type","credentialSubject":{"@id":"https://gaia-dataasset.com/credentialSubject","@context":{"gax":"https://gaia-dataasset.com/"}}}}],"type":["VerifiableCredential"],"credentialSubject":{"@id":"http://example.org/data-asset-1","@type":"gax:DataAsset","gax:title":"Example title","gax:description":"Example description","gax:keyword":["key","word"],"gax:category":["example"],"gax:publisher":"did:provider","gax:creator":"?creatorDID","gax:language":"http://id.loc.gov/vocabulary/iso639-1/en","gax:distribution":{"gax:title":"Example distribution title","gax:description":"Example distribution description","gax:created":"2021-01-23T18:25:43.511Z","gax:modified":"2021-01-25T12:20:34.007Z","gax:mediaType":"text/csv","gax:byteSize":"100000","gax:accessURL":"www.example.com/data/example.csv"},"gax:created":"2021-01-23T12:21:23.876Z","gax:modified":"2021-01-24T14:45:03.517Z","gax:containsPersonalData":false,"gax:sampleAvailable":false,"gax:contractOffer":{"@type":"gax-GX-DCS:contractOffer","gax:choiceOfLaw":"iso:Germany","gax:generalTerms":"Example text for the general terms","gax:confirmationRequired":true,"gax:loggingMode":"gax:LoggingMandatory","gax:circulationDetails":"Example text for the circulation details","gax:permission":{"@type":"gax:Permission","gax:assigner":"?providerDID","gax:target":"?AssetURI","gax:action":"gax:USE","gax:negotiable":true,"gax:postDuty":{"@type":"gax:Duty","gax:action":{"@id":"gax:LOG"}}}},"gax:consumer":"did:consumer"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":[{"type":"Ed25519Signature2018","created":"2022-08-18T11:44:00Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..ieCyMp8oMtVE2zMDYWL07hkANsz5syIC0Yaw87Jdx2YAUKVHiirk6VLUulWrDCZ8-iKXJv46opITve-JPMLkBA"},{"type":"Ed25519Signature2018","created":"2022-08-18T11:44:00Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..hbbqErEopdA7UACef6agezOzHavpqybGRkFVdZFJpARgY2\_khDvHN8iq5\_48u50u-vN5A4RNQXyf0L65h8S\_Cw"}]}]}  Then the system should respond with code 404 (Not Found)  And Response Body should contain an error like  {"statusCode": 404, "message": "Cannot PUT /finalize", "stack": "NotFoundException: Cannot PUT /log/token\n at callback ..."} |
| **Status** | PASSED |

## DELS

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| **ID** | **DELS01** |
| **Title** | **POST - Add notification - Provider** |
| **Functionality** | **GX-DELS.IR.005 - Inbox** |
| **Scenario** | Scenario: POST - Add notification - SendDataNotification - valid body  Given I want to send a notification  When a POST request is made to {{host}}/api/inbox with  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataexchange-notification.com/","@context":{"@version":1.1,"id":"@id","type":"@type","sender":{"@id":"https://gaia-dataexchange-notification.com/vc#sender"},"receiver":{"@id":"https://gaia-dataexchange-notification.com/vc#receiver"},"description":{"@id":"https://gaia-dataexchange-notification.com/vc#description"},"contract":{"@id":"https://gaia-dataexchange-notification.com/vc#contract"}}}],"type":["VerifiableCredential"],"credentialSubject":{"sender":"did:provider:123","receiver":"did:consumer:123","description":"this is a demo description.","contract":"http://example.org/data-asset-1","type":"SendDataNotification"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:provider:controller","proof":{"type":"Ed25519Signature2018","created":"2022-09-01T11:11:52Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..fVZNKzUmoyzoXEDGzmVdHs9wHFPXRov3nqu\_5VEXw0xXwR6-jefhUVCC4ckZoXFLsysLvEwLlj7XFG84S55LBw"}}  Then the system should respond with code 202 (Accepted)  And Location should be received in Response Headers |
| **Status** | PASSED |
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| **ID** | **DELS02** |
| **Title** | **POST - Add notification - Consumer** |
| **Functionality** | **GX-DELS.IR.005 - Inbox** |
| **Scenario** | Scenario: POST - Add notification - ReceivedDataNotification - valid body  Given I want to consume a notification  When a POST request is made to {{host}}/api/inbox with  {"@context":["https://www.w3.org/2018/credentials/v1",{"@id":"https://gaia-dataexchange-notification.com/","@context":{"@version":1.1,"id":"@id","type":"@type","sender":{"@id":"https://gaia-dataexchange-notification.com/vc#sender"},"receiver":{"@id":"https://gaia-dataexchange-notification.com/vc#receiver"},"description":{"@id":"https://gaia-dataexchange-notification.com/vc#description"},"contract":{"@id":"https://gaia-dataexchange-notification.com/vc#contract"}}}],"type":["VerifiableCredential"],"credentialSubject":{"receiver":"did:provider:123","sender":"did:consumer:123","description":"i received data","contract":"http://example.org/data-asset-1","type":"ReceivedDataNotification"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:consumer:controller","proof":{"type":"Ed25519Signature2018","created":"2022-09-08T09:36:12Z","verificationMethod":"did:consumer:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..Q7tKfQI6Vd7in0fCql21ujY9h-gF3yB4x4XONkhr4TdUGWlIAwp3epKQYyzFhmWJ5vpIw6qSiZHmghLXV05TCQ"}}  Then the system should respond with code 202 (Accepted)  And Location should be received in Response Headers |
| **Status** | PASSED |
|  |  |
| **ID** | **DELS03** |
| **Title** | **POST - Add notification - Consumer** |
| **Functionality** | **GX-DELS.IR.005 - Inbox** |
| **Scenario** | Scenario: POST - Add notification - invalid body  Given I want to receive a notification  When a POST request is made to {{host}}/api/inbox with an invalid body (missing attributes)  {"@context":["https://www.w3.org/2018/credentials/v1",{}],"type":["VerifiableCredential"],"credentialSubject":{"sender":"did:provider:123","receiver":"did:consumer:123","description":"this is a demo description.","contract":"http://example.org/data-asset-1","type":"SendDataNotification"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:provider:controller","proof":{"type":"Ed25519Signature2018","created":"2022-09-01T11:11:52Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..fVZNKzUmoyzoXEDGzmVdHs9wHFPXRov3nqu\_5VEXw0xXwR6-jefhUVCC4ckZoXFLsysLvEwLlj7XFG84S55LBw"}}  Then the system should respond with code 400 (Bad request)  {"statusCode":400,"message":["..."],"error":"Bad Request"} |
| **Status** | PASSED |
|  |  |
| **ID** | **DELS04** |
| **Title** | **GET notifications** |
| **Functionality** | **GX-DELS.IR.005 - Inbox** |
| **Scenario** | Scenario: GET notifications  Given I want to see all notifications  When a GET request is made to {{host}}/api/inbox with empty body  Then the system should respond with code 200 (OK)  And the body should contain all notifications like  [  {  "@id": "http://localhost:3000",  "http://www.w3.org/ns/ldp#contains": [  {  "@id": "http://localhost:3000/inbox/72ff42ed-c1cb-476a-8b3d-9155ac592d06"  },  {  "@id": "http://localhost:3000/inbox/0d031ba6-7556-4ee4-80ee-8ec5885cc05b"  }  ]  }  ] |
| **Status** | PASSED |
|  |  |
| **ID** | **DELS05** |
| **Title** | **Add notifications - not allowed method** |
| **Functionality** | **GX-DELS.IR.005 - Inbox** |
| **Scenario** | Scenario: Add notifications - not allowed method  Given I want to receive a notification  When a PUT/ PATCH/DELETE request is made to {{host}}/api/inbox  Then the system should respond with code 404 (Not Found)  {"@context":["https://www.w3.org/2018/credentials/v1",{}],"type":["VerifiableCredential"],"credentialSubject":{"sender":"did:provider:123","receiver":"did:consumer:123","description":"this is a demo description.","contract":"http://example.org/data-asset-1","type":"SendDataNotification"},"issuanceDate":"2021-01-23T12:21:23.876Z","issuer":"did:provider:controller","proof":{"type":"Ed25519Signature2018","created":"2022-09-01T11:11:52Z","verificationMethod":"did:provider:key:123","proofPurpose":"assertionMethod","jws":"eyJhbGciOiJFZERTQSIsImI2NCI6ZmFsc2UsImNyaXQiOlsiYjY0Il19..fVZNKzUmoyzoXEDGzmVdHs9wHFPXRov3nqu\_5VEXw0xXwR6-jefhUVCC4ckZoXFLsysLvEwLlj7XFG84S55LBw"}}  And the body should contain an error message like  { "statusCode": 404, "message": "Cannot PUT /api/inbox", "stack": "NotFoundException: Cannot PUT /api/inbox\n at callback ..." } |
| **Status** | PASSED |
|  |  |
| **ID** | **DELS06** |
| **Title** | **inbox OPTIONS** |
| **Functionality** | **GX-DELS.IR.005 - Inbox** |
| **Scenario** | Scenario: inbox OPTIONS  Given I want to see options for inbox  When a OPTION request is made to {{host}}/api/inbox  Then the system should respond with code 200 (OK)  And response headers should contain  Accept-Post: application/ld+json, application/n-quads, application/n-triples, application/trig, text/n3, text/turtle |
| **Status** | PASSED |
|  |  |
| **ID** | **DELS07** |
| **Title** | **GET notification** |
| **Functionality** | **GX-DELS.IR.007 - Query Notifications** |
| **Scenario** | Scenario: GET notification  Given I want to see a specific notification  When a GET request is made to {{host}}/api/inbox/{notificationID}  Then the system should respond with code 200 (OK)  And response body should contain notification details like  [  {  "@id": "http://localhost:3000/7a81dad4-a65d-430d-b935-9a8a96993d54",  "http:/del.mock/contexts/description": [  {  "@value": "this is a dummy description."  }  ],  "http:/del.mock/contexts/contract": [  {  "@value": "qualitance-test-123-valid"  }  ],  "http:/del.mock/contexts/receiver": [  {  "@value": "The receiver id 123"  }  ],  "http:/del.mock/contexts/sender": [  {  "@value": "The sender id123"  }  ]  }  ] |
| **Status** | PASSED |
|  |  |
| **ID** | **DELS08** |
| **Title** | **GET notification - wrong notification ID** |
| **Functionality** | **GX-DELS.IR.007 - Query Notifications** |
| **Scenario** | Scenario: GET notification - wrong notification ID  Given I want to see a specific notification  When a GET request is made to {{host}}/api/inbox/{wrong\_notificationID}  Then the system should respond with code 400 (Bad request)  And response body should contain error details like  {  "statusCode": 400,  "message": "invalid input syntax for type uuid: \"7a81dad4-a65d-430d-b935-9a8a9993d54\"",  "stack": "QueryFailedError: invalid input syntax for type ..."  } |
| **Status** | PASSED |
|  |  |
| **ID** | **DELS09** |
| **Title** | **GET notification - not allowed method** |
| **Functionality** | **GX-DELS.IR.007 - Query Notifications** |
| **Scenario** | Scenario: GET notification - not allowed method  Given I want to see a specific notification  When a POST/PUT/PATCH/DELETE request is made to {{host}}/api/inbox/{notificationID}  Then the system should respond with code 404 (Not found)  And response body should contain error details like  {  "statusCode": 404,  "message": "Cannot DELETE /api/inbox/7a81dad4-a65d-430d-b935-9a8a9993d54",  "stack": "NotFoundException: Cannot DELETE /api/inbox/7a81dad4-a65d-430d-b935-9a8a9993d54\n at callback ..."  } |
| **Status** | PASSED |
|  |  |
| **ID** | **DELS10** |
| **Title** | **Inbox - Get filtered notifications** |
| **Functionality** | **GX-DELS.IR.007 - Query Notifications** |
| **Scenario** | Scenario: GET notifications  Given I want to see specific notifications  When a GET request is made to {{host}}/api/inbox with the following params: contract, sender, receiver  Then the system should respond with code 200 (OK)  And the body should contain notifications according to applied filters like  [  {  "@id": "http://localhost:3000",  "http://www.w3.org/ns/ldp#contains": [  {  "@id": "http://localhost:3000/inbox/72ff42ed-c1cb-476a-8b3d-9155ac592d06"  },  {  "@id": "http://localhost:3000/inbox/0d031ba6-7556-4ee4-80ee-8ec5885cc05b"  }  ]  }  ] |
| **Status** | PASSED |
|  |  |
| **ID** | **DELS11** |
| **Title** | **Inbox - Get filtered notifications - not allowed method** |
| **Functionality** | **GX-DELS.IR.007 - Query Notifications** |
| **Scenario** | Scenario: GET notifications  Given I want to see specific notifications  When a PUT/PATCH/DELETE request is made to {{host}}/api/inbox with the following params: contract, sender, receiver  Then the system should respond with code 200 (OK)  And response body should contain error details like  {  "statusCode": 404,  "message": "Cannot PUT /api/inbox?contract=test&sender=test&receiver=test",  "stack": "NotFoundException: Cannot PUT /api/inbox?contract=test&sender=test&receiver=test\n at callback ..."  } |
| **Status** | PASSED |

## DELS - Admin

|  |  |
| --- | --- |
| **ID** | **DELS\_ADMIN\_01** |
| **Title** | **Login - Both inputs are empty** |
| **Functionality** | **GX-DELS.IR.001 - Administrative GUI** |
| **Steps** | 1. Reach the login screen.  2. Leave both username and password fields empty.  3. Press the login button. |
| **Expected Results** | An error is thrown; both fields are mandatory. |
| **Scenario** | Scenario: Login - Both inputs are empty  given I am on login page  when I leave both inputs empty and press Log In  then I am not logged in  and I will see the following errors: "Username is required." and "Password is required." |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_02** |
| **Title** | **Login - Password field empty** |
| **Functionality** | **GX-DELS.IR.001 - Administrative GUI** |
| **Steps** | 1. Reach the login screen.  2. Input a valid username, but leave the password field empty.  3. Press the login button. |
| **Expected Results** | An error is thrown; password field is mandatory. |
| **Scenario** | Scenario: Login - Password field empty  given I am on login page  when I enter a valid username  and I leave password field empty  then I am not logged in  and I will see the following error: "Password is required." |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_03** |
| **Title** | **Login - Username field empty** |
| **Functionality** | **GX-DELS.IR.001 - Administrative GUI** |
| **Steps** | 1. Reach the login screen.  2. Input a valid password, but leave the username field empty.  3. Press the login button. |
| **Expected Results** | An error is thrown; username field is mandatory. |
| **Scenario** | Scenario: Login - Username field empty  given I am on login page  when I leave username field empty  and I type my password  then I am not logged in  and I will see the following error: "Username is required." |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_04** |
| **Title** | **Login - positive flow** |
| **Functionality** | **GX-DELS.IR.001 - Administrative GUI** |
| **Steps** | 1. Reach the login screen.  2. Input both a valid username and password.  3. Press the login button. |
| **Expected Results** | The user has succesfully logged into the app. |
| **Scenario** | Scenario: Login  given I am on login page  when I type valid username and password  then I am logged in  and redirected to Dashboard |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_05** |
| **Title** | **Login - Invalid password** |
| **Functionality** | **GX-DELS.IR.001 - Administrative GUI** |
| **Steps** | 1. Reach the login screen.  2. Input a valid username, but an invalid password.  3. Press the login button. |
| **Expected Results** | An error is thrown; username is invalid. |
| **Scenario** | Scenario: Login - Invalid password  given I am on login page  when I type a valid username  and an invalid password  then I am not logged in  and I will see the following error: Invalid Username of Password |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_06** |
| **Title** | **Login - Invalid username** |
| **Functionality** | **GX-DELS.IR.001 - Administrative GUI** |
| **Steps** | 1. Reach the login screen.  2. Input a valid password, but an invalid username.  3. Press the login button. |
| **Expected Results** | An error is thrown; password is invalid. |
| **Scenario** | Scenario: Login - Invalid username  given I am on login page  when I type a invalid username  and a valid password  then I am not logged in  and I will see the following error: Invalid Username of Password |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_07** |
| **Title** | **Login - Show password** |
| **Functionality** | **GX-DELS.IR.001 - Administrative GUI** |
| **Steps** | 1. Reach the login screen.  2. Input a valid password.  3. Press the show password button. |
| **Expected Results** | The password is displayed. |
| **Scenario** | Scenario: Show password  given I am on login page  when I type my password  and I press the view password button  then the password is visible |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_08** |
| **Title** | **Dashboard - See dashboard** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Dashboard.  2. Click again on the Dashboard button. |
| **Expected Results** | 1. Dashboard is displayed as default when reaching the page.  2. The page is refreshed after clicking on dashboard. |
| **Scenario** | Scenario: Dashboard - See dashboard  given I am logged in  when I open DELS app  then Dashboard is displayed |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_09** |
| **Title** | **Dashboard - Filter notifications by This Week** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Dashboard section.  2. Filter by This week. |
| **Expected Results** | 1. Filters are succesfully applied. |
| **Scenario** | Scenario: Dashboard - Filter notifications by This Week  given I am logged in  when I filter the Activity graph by This week  then filter is successfully applied  and I should see only notifications from this week by days |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_10** |
| **Title** | **Dashboard - Filter notifications by This Month** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Dashboard section.  2. Filter by This month. |
| **Expected Results** | 1. Filters are succesfully applied. |
| **Scenario** | Scenario: Dashboard - Filter notifications by This Month  given I am logged in  when I filter the Activity graph by This month  then filter is successfully applied  and I should see only notifications from this month by days |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_11** |
| **Title** | **Dashboard - Filter notifications by Today** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Dashboard section.  2. Filter by Today |
| **Expected Results** | 1. Filters are succesfully applied. |
| **Scenario** | Scenario: Dashboard - Filter notifications by Today  given I am logged in  when I filter the Activity graph by Today  then filter is successfully applied  and I should see only notifications from today by hours |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_12** |
| **Title** | **Dashboard - Filter by sent notifications** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Dashboard section.  2. Filter by sent notifications (click on ReceiveDataNotification). |
| **Expected Results** | 1. Graph successfully displays only sent notifications.  2. No received notification is displayed. |
| **Scenario** | Scenario: Dashboard - Filter by sent notifications  given I am logged in  when I filter the Activity graph by sent notifications  then graph displays only sent notifications |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_13** |
| **Title** | **Dashboard - Filter by received notifications** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Dashboard section.  2. Filter by received notifications (click on SendDataNotifications). |
| **Expected Results** | 1. Graph successfully displays only received notifications.  2. No sent notification is displayed. |
| **Scenario** | Scenario: Dashboard - Filter by received notifications  given I am logged in  when I filter the Activity graph by received notifications  then graph displays only received notifications |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_14** |
| **Title** | **Transaction Logs - Search returns nothing** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Dashboard section.  2. Click on the Transaction logs.  3. Attempt to search for an item that does not exist. |
| **Expected Results** | 1. No results are displayed in the table. |
| **Scenario** | Scenario: Transaction Logs - Search returns nothing  given I am logged in  when I go to Transaction logs  and search for a non-existing item  then no items are displayed |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_15** |
| **Title** | **Transaction Logs - Search returns positive** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Dashboard section.  2. Click on the Transaction logs.  3. Attempt to search for an item present in the list. |
| **Expected Results** | 1. The searched for item is properly displayed in the table. |
| **Scenario** | Scenario: Transaction Logs - Search returns positive  given I am logged in  when I go to Transaction logs  and searches for an existing item  then searched item is displayed |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_16** |
| **Title** | **Transaction Logs - Export** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Dashboard section.  2. Click on the Transaction logs.  3. Click on the Export button. |
| **Expected Results** | 1. The section is properly displayed.  2. The logs are succesfully exported in .CSV format. |
| **Scenario** | Scenario: Transaction Logs - Export  given I am logged in  when I go to Transaction Logs  and click Export button  then a csv file is downloaded containing the visible transactions |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_17** |
| **Title** | **Transaction Logs - Pagination** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Transaction Logs section.  2. Check that all items are correctly displayed and bordered. |
| **Expected Results** | 1. All items are correctly displayed. |
| **Scenario** | Scenario: Transaction Logs - Pagination  given I am logged in  when I go to Transaction logs  and I select a page  then the notifications from the selected page are displayed |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_18** |
| **Title** | **Transaction Logs - Sort by Type** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Transaction Logs section.  2. Sort by Type. |
| **Expected Results** | 1. Items are successfully sorted by type. |
| **Scenario** | Scenario: Transaction Logs - Sort by Type  given I am logged in  when I go to Transaction Logs  and I sort by Type  then sorting is applied accordingly |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_19** |
| **Title** | **Transaction Logs - Sort by Contract** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Transaction Logs section.  2. Sort by Contract. |
| **Expected Results** | 1. Items are successfully sorted by contract. |
| **Scenario** | Scenario: Transaction Logs - Sort by Contract  given I am logged in  when I go to Transaction Logs  and I sort by Contract  then sorting is applied accordingly |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_20** |
| **Title** | **Transaction Logs - Sort by Sender** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Transaction Logs section.  2. Sort by Sender. |
| **Expected Results** | 1. Items are successfully sorted by sender. |
| **Scenario** | Scenario: Transaction Logs - Sort by Sender  given I am logged in  when I go to Transaction Logs  and I sort by Sender  then sorting is applied accordingly |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_21** |
| **Title** | **Transaction Logs - Sort by Receiver** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Transaction Logs section.  2. Sort by Receiver. |
| **Expected Results** | 1. Items are successfully sorted by receiver. |
| **Scenario** | Scenario: Transaction Logs - Sort by Receiver  given I am logged in  when I go to Transaction Logs  and I sort by Receiver  then sorting is applied accordingly |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_22** |
| **Title** | **Transcation Logs - Sort by Time** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Transaction Logs section.  2. Sort by Time. |
| **Expected Results** | 1. Items are successfully sorted by time. |
| **Scenario** | Scenario: Transaction Logs - Sort by Time  given I am logged in  when I go to Transaction Logs  and I sort by Time  then sorting is applied accordingly |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_23** |
| **Title** | **Transaction Logs - Sort by Verified** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Transaction Logs section.  2. Sort by Verified. |
| **Expected Results** | 1. Items are successfully sorted by verified status. |
| **Scenario** | Scenario: Transaction Logs - Sort by Verified  given I am logged in  when I go to Transaction Logs  and I sort by Verified  then sorting is applied accordingly |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_24** |
| **Title** | **Transaction Logs - View transaction details** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the transaction Logs section.  2. Select a log and open it to see the log details. |
| **Expected Results** | 1. The transaction log details are correctly displayed. |
| **Scenario** | Scenario: Transaction Logs - View transaction details  given I am logged in  when I go to Transaction Logs  and I click the Vire transaction details button for a transaction  then transaction log details are displayed in a modal |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_25** |
| **Title** | **Transaction Logs - Verify transaction** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Transaction Logs section.  2. Select a log and verify its' transaction. |
| **Expected Results** | 1. The transaction is properly verified. |
| **Scenario** | Scenario: Transaction Logs - Verify transaction  given I am logged in  when I go to Transaction Logs  and I click Verify transaction button for a transaction  then the transaction is verified |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_26** |
| **Title** | **Transaction Logs - Show X transaction on page** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Transaction Logs section.  2. On the bottom of the page, select that only 10 items should be displayed.  3. Again, change the items displayed to be 25.  4. Change back the display number to 5. |
| **Expected Results** | 1. 10 items are displayed on the page.  2. 25 items are displayed on the page.  3. 5 items are displayed on the page. |
| **Scenario** | Scenario: Transaction Logs - Show X transaction on page  given I am logged in  when I go to Transaction Logs  and selects displayed items to be 5/10/25  then items are displayed accordingly |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_27** |
| **Title** | **Integrity check - Start** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Dashboard section.  2. Press the Start button.  3. Wait for the logs to be generated. |
| **Expected Results** | 1. Logs are successfully generated. |
| **Scenario** | Scenario: Integrity check - Start  given I am logged in and on dashboard  when I press Start option from the dropdown in the Transaction logs integrity check  then integrity check is started |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_28** |
| **Title** | **Integrity check - Pause** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Dashboard section.  2. Press the Start button.  3. Press the Pause button after a while.  4. Wait for some time and check the Activity section. |
| **Expected Results** | 1. Logs are successfully generated for the selected time. |
| **Scenario** | Scenario: Integrity check - Pause Queue  given I am logged in and on dashboard  And Integrity check process is in Idle state  when I Pause Queue  then the process is changed to Paused state |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_29** |
| **Title** | **Integrity check - Resume** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Dashboard section.  2. Press the Start button.  3. After some time, press the pause button.  4. Again, after some time, press the start button.  5. Wait for the logs to be generated. |
| **Expected Results** | 1. Logs are successfully generated. |
| **Scenario** | Scenario: Integrity check - Resume Queue  given I am logged in and on dashboard  And Integrity check process is in Paused state  when I Resume Queue  then the process should start and check any transactions from queue |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_30** |
| **Title** | **Integrity check - More details** |
| **Functionality** | **GX-DELS.IR.002 - Administrative GUI display items** |
| **Steps** | 1. Reach the Dashboard section.  2. Press the More details button. |
| **Expected Results** | 1. The user is succesfully redirected to the More details section. |
| **Scenario** | Scenario: Integrity check - More details  given I am logged in and on dashboard  when I press More details  then I am redirected to /api/bull-monitor |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_31** |
| **Title** | **Settings - Update Log Retention - Discard** |
| **Functionality** | **GX-DELS.IR.003 - Administrative GUI configuration capabilities** |
| **Steps** | 1. Reach the Dashboard section.  2. Click on the Settings button.  3. Modify the Log Retention input.  4. Press the Discard button. |
| **Expected Results** | 1. The Log Retention tab is selected by default.  2. No changes are made to the Settings. |
| **Scenario** | Scenario: Settings - Update Log Retention - Discard  given I am logged in  when I go to Settings  and I modify Log Retention value  and presses Discard button  then no changes are made |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_32** |
| **Title** | **Settings - Update Log Pruning Job - Discard** |
| **Functionality** | **GX-DELS.IR.003 - Administrative GUI configuration capabilities** |
| **Steps** | 1. Reach the Dashboard section.  2. Click on the Settings button.  3. Modify the Log Pruning Job input.  4. Press the Discard button. |
| **Expected Results** | 1. The Log Retention tab is selected by default.  2. No changes are made to the Settings. |
| **Scenario** | Scenario: Settings - Update Log Pruning Job - Discard  given I am logged in  when I go to Settings  and I modify Log Pruning Job value  and presses Discard button  then no changes are made |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_33** |
| **Title** | **Settings - Update Log Retention - Submit** |
| **Functionality** | **GX-DELS.IR.003 - Administrative GUI configuration capabilities** |
| **Steps** | 1. Reach the Dashboard section.  2. Click on the Settings button.  3. Modify the Log Retention input.  4. Press the Submit button. |
| **Expected Results** | 1. Changes are succesfully saved. |
| **Scenario** | Scenario: Settings - Update Log Retention - Submit  given I am logged in  when I go to Settings  and I modify Log Retention value  and I press Submit button  then changes are saved |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_34** |
| **Title** | **Settings - Update Log Pruning Job - Submit** |
| **Functionality** | **GX-DELS.IR.003 - Administrative GUI configuration capabilities** |
| **Steps** | 1. Reach the Dashboard section.  2. Click on the Settings button.  3. Modify the Log Pruning input.  4. Press the Submit button. |
| **Expected Results** | 1. Changes are succesfully saved. |
| **Scenario** | Scenario: Settings - Update Log Pruning Job - Submit  given I am logged in  when I go to Settings  and I modify Log Pruning Job value  and I press Submit button  then changes are saved |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_35** |
| **Title** | **Settings - Update Log Retention and Log Pruning Job - Submit** |
| **Functionality** | **GX-DELS.IR.003 - Administrative GUI configuration capabilities** |
| **Steps** | 1. Reach the Dashboard section.  2. Click on the Settings button.  3. Modify the Log Retention and Log Pruning inputs.  4. Press the Submit button. |
| **Expected Results** | 1. Changes are succesfully saved. |
| **Scenario** | Scenario: Settings - Update Log Retention and Log Pruning Job - Submit  given I am logged in  when I go to Settings  and I modify Log Retention value  and I modify Log Pruning Job value  and I press Submit button  then changes are saved |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_36** |
| **Title** | **Settings - Update Integrity Check Job - Discard** |
| **Functionality** | **GX-DELS.IR.003 - Administrative GUI configuration capabilities** |
| **Steps** | 1. Reach the dashboard section.  2. Click on the Settings button.  3. Click on the Integrity Check Process tab.  4. Modify the Integrity Check Job input.  5. Press the Cancel button. |
| **Expected Results** | 1. The Integrity Process section is properly displayed.  2. No changes are made. |
| **Scenario** | Scenario: Settings - Update Integrity Check Job - Discard  given I am logged in  when I go to Settings  and I select Integrity Check Process tab  and I modifiy Integrity Check Job value  and I press Discard button  then no changes are made |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_37** |
| **Title** | **Settings - Update Integrity Check Job - Submit** |
| **Functionality** | **GX-DELS.IR.003 - Administrative GUI configuration capabilities** |
| **Steps** | 1. Reach the dashboard section.  2. Click on the Settings button.  3. Click on the Integrity Check Process tab.  4. Modify the Integrity Check Job input.  5. Press the Submit button. |
| **Expected Results** | 1. Changes are succesfully saved. |
| **Scenario** | Scenario: Settings - Update Integrity Check Job - Submit  given I am logged in  when I go to Settings  and I select Integrity Check Process tab  and I modifiy Integrity Check Job value  and I press Submit button  then changes are saved |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_38** |
| **Title** | **Side menu - Hide and reopen** |
| **Functionality** | **GX-DELS.IR.001 - Administrative GUI** |
| **Steps** | 1. Reach the Dashboard section.  2. Press the Side menu button.  3. Press the Side menu button again. |
| **Expected Results** | 1. The side menu is hidden.  2. The side menu is shown again. |
| **Scenario** | Scenario: Side menu - Hide and reopen  given I am logged in  when I press side menu  and presses it again  then side menu is hide/visible |
| **Status** | **PASSED** |
|  |  |
| **ID** | **DELS\_ADMIN\_39** |
| **Title** | **Quit** |
| **Functionality** | **GX-DELS.IR.001 - Administrative GUI** |
| **Steps** | 1. Reach the Dashboard section.  2. Press the Profile button.  3. Press the Quit button. |
| **Expected Results** | 1. The user is successfully logged out. |
| **Scenario** | Scenario: Quit  given I am logged in  when I press profile icon  and Quit option  then I should be logged out |
| **Status** | **PASSED** |

# Test Satistics

1. **DCS**
2. 30 planned test cases
3. 30 executed test cases (100%)
4. 30 passed test cases (100%)
5. 0 failed test cases (0%)
6. 0 found defect/issue
7. **DELS**
8. 11 planned test cases
9. 11 executed test cases (100%)
10. 11 passed test cases (100%)
11. 0 failed test cases (0%)
12. 0 found defect/issue
13. **DELS ADMIN**
14. 39 planned test cases
15. 39 executed test cases (100%)
16. 39 passed test cases (100%)
17. 0 failed test cases (0%)
18. 0 found defect/issue