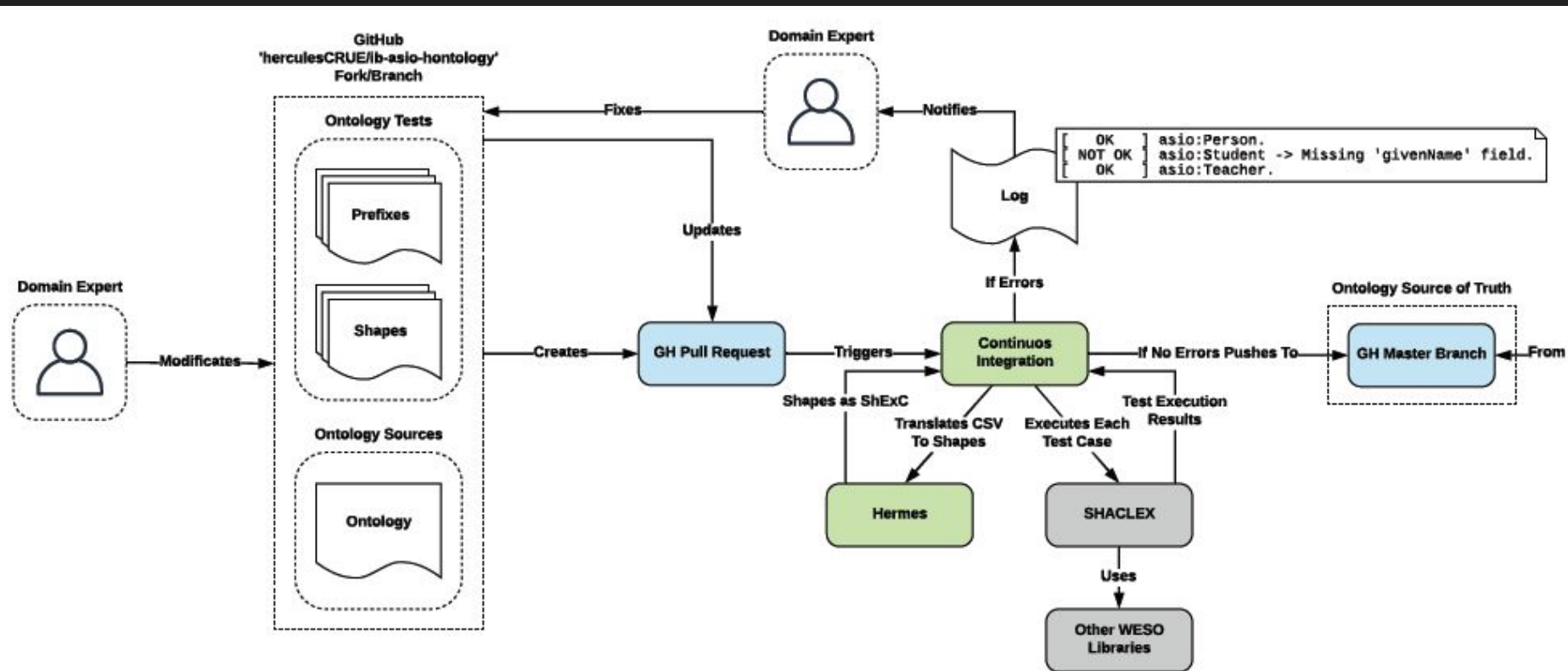


Integración Continua

Hércules

Diagrama del Proyecto



Manifest.json

- test_name
- ontology
- data
- schema
- in shape map
- out_shape_map

```
[
  {
    "test_name": "test that a project instance has all needed attributes",
    "ontology": "../../../src/asio-core.ttl",
    "data": "../asio-individuals.ttl",
    "schema": "../project.s",
    "in_shape_map": "../project_in.m",
    "out_shape_map": "../project_out.m"
  },
  {
    "test_name": "test that a project instance does not conform to a random shape",
    "ontology": "../../../src/asio-core.ttl",
    "data": "../asio-individuals.ttl",
    "schema": "../random_shape.s",
    "in_shape_map": "../random_shape_in.m",
    "out_shape_map": "../random_shape_out.m"
  },
  {
    "test_name": "test that a all nodes from a sparql query conform to project",
    "ontology": "../../../src/asio-core.ttl",
    "data": "../asio-individuals.ttl",
    "schema": "../project.s",
    "in_shape_map": "../project_sparql_in.m",
    "out_shape_map": "../project_sparql_out.m"
  }
]
```

Ejecución y resultados

Finished after 2.327 seconds

Runs: 3/3 Errors: 0 Failures: 0

100% Success

▼ ValidationTest [Runner: JUnit 5] (1.592 s)

 ▼ testValidate(TestCase) (1.592 s)

 [1] TestCase [test_name=test that a project instance has all needed attributes, ontology:

 [2] TestCase [test_name=test that a project instance does not conform to a random sha

 [3] TestCase [test_name=test that a all nodes from a sparql query conform to project, or

```
ResultShapeMap: [
  {
    "node" : "<http://purl.org/hercules/asio/modules#ES_SUBJECT_AREA_LEVEL_2_PIN>",
    "shape" : "<http://purl.org/hercules/asio/core#ResearchFieldShape>",
    "status" : "conformant",
    "appInfo" : "Shaclex",
    "reason" : "<http://purl.org/hercules/asio/modules#ES_SUBJECT_AREA_LEVEL_2_PIN> passes"
  },
  {
    "node" : "<http://purl.org/hercules/asio/modules#ES_SUBJECT_AREA_LEVEL_2_PIN>",
    "shape" : "<http://purl.org/hercules/asio/core#ESSubjectAreas3rdListShape>",
    "status" : "conformant",
    "appInfo" : "Shaclex",
    "reason" : ""
  },
  {
    "node" : "<http://www.asio.es/asioinstances/asio#ChromDesign>",
    "shape" : "<http://purl.org/hercules/asio/core#ProjectShape>",
    "status" : "conformant",
    "appInfo" : "Shaclex",
    "reason" : "ChromDesign is an innovative and interdisciplinary network of 10 European a"
  },
  {
    "node" : "<http://www.asio.es/asioinstances/asio#LIFEQUEMFREE>",
    "shape" : "<http://purl.org/hercules/asio/core#ProjectShape>",
    "status" : "nonconformant",
    "appInfo" : "Shaclex",
    "reason" : "Error: None of the candidates matched.\r\n Attempt: Attempt: node: <http://"
```

Integración con GitHub

- GitHub Actions
- Push / Pull Request
- mvn test

```
name: Hercules CI

on: [push, pull_request]

jobs:

  # Test the ontology.
  test:

    # The job name.
    name: Test with Shape Expressions

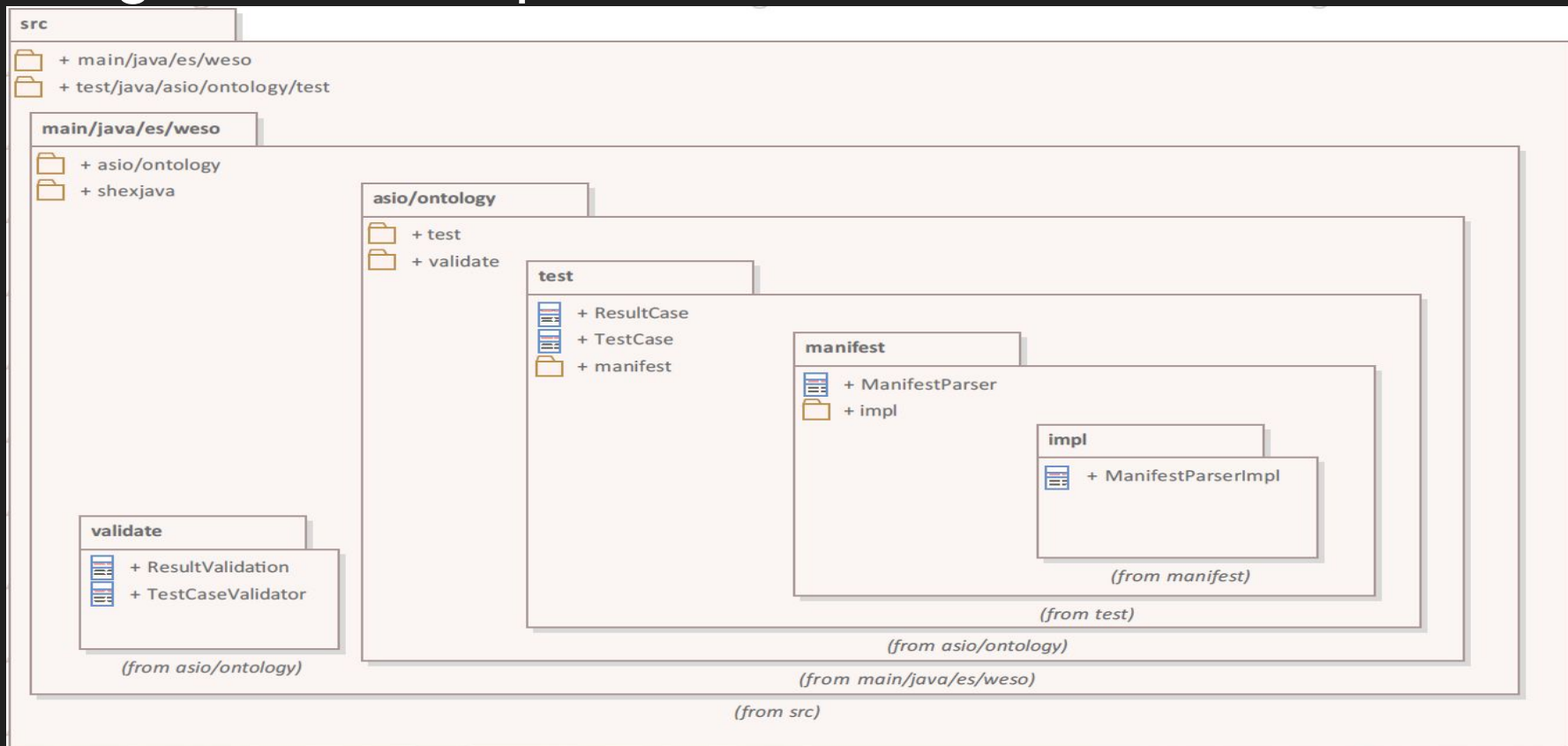
    # This job will run on a linux virtual machine.
    runs-on: ubuntu-latest

    # The steps are, first, checkout, then set java version
    # to 11 and finally move to the tests folder and execute the tests.
    steps:
      - uses: actions/checkout@v2

      # Setting the java version.
      - name: Set up JDK 11
        uses: actions/setup-java@v1
        with:
          java-version: 11

      # Test with maven
      - name: Test with Maven
        run: |
          cd test/test-launcher/
          mvn test
```

Diagrama de Paquetes





Y ahora qué?

- Creación de más casos de prueba
- Integrar preguntas de competencia

<> Code **Issues 21** Pull requests Actions master

CQ037 - Statistics: Quantify collaborations between universities

 Closed alejgh opened this issue on Mar 23 · 0 comments

 alejgh commented on Mar 23 Member 

Original source:

Estadísticas: ¿Puedo cuantificar las colaboraciones entre universidades del país o una región?

Translated:

Statistics: Am I able to quantify the collaborations between universities of a country or region?

```
PREFIX wb: <http://hercules-demo.wiki.opencura.com/entity/>
PREFIX wbt: <http://hercules-demo.wiki.opencura.com/prop/direct/>
```

```
SELECT ?centreLabel ?researchLineLabel WHERE {
  ?centre wbt:P1 wb:Q2 ; # get entities of type ResearchInstitute
    wbt:P21 ?researchLine . # with property hasResearchLine
  ?researchLine wbt:P22 ?researchLineCode . # get code of researchLine
  ?researchLineCode rdfs:label ?researchLineCodeLabel .
  FILTER(?researchLineCodeLabel = "TA"@en) # research line code to be parametrized
  SERVICE wikibase:label {
    bd:serviceParam wikibase:language "[AUTO_LANGUAGE],es" .
  }
}
ORDER BY DESC(?centreLabel)
```

