

User manual

Create Pattern

1. The flow starts in the **PATTERNS** section, with the button **Create**



2. Complete the fields for Name and Description.

The screenshot shows a modal form titled 'Crear patrón' with a close button (X) in the top right corner. The form has two input fields: 'Nombre' (Name) and 'Descripción' (Description), both marked with a red asterisk indicating they are required. Below these fields is a checkbox labeled 'Agregar formalización' (Add formalization), also marked with a red asterisk. At the bottom of the form are two buttons: 'Cancelar' (Cancel) and 'Guardar' (Save).

3. Upload a formalization of the pattern in EVENT-B in an .eventb file.
4. Click **Save**

Create Implementation

1. Navigate to the Pattern Details.

Patrones

NOMBRE	DESCRIPCIÓN	
Circuit Breaker	Test	 +  
Service Registry	test	 +  

Patrones disponibles









Crear

2. You will see information about implementations, animations and formalizations of the pattern. Click the button **Add Implementation**.

Circuit Breaker

Test

Implementations

NOMBRE	IMÁGEN	DESCRIPCIÓN	FECHA DE CREACIÓN	
hystrix	gastoncomba/pg-mt-hystrix-amd	test	23 Jun 2024	   
resilience4j	gastoncomba/pg-mt-resilience4j-amd	resilience4j	30 Jun 2024	   

Implementaciones disponibles

Agregar implementación

Animations

NOMBRE	DESCRIPCIÓN
--------	-------------

No hay animaciones disponibles


Crear animación

Formalizaciones

M0_CIRCUIT_BREAKER_MCH

EVENTB

m0_circuit_breaker_mch.eventb

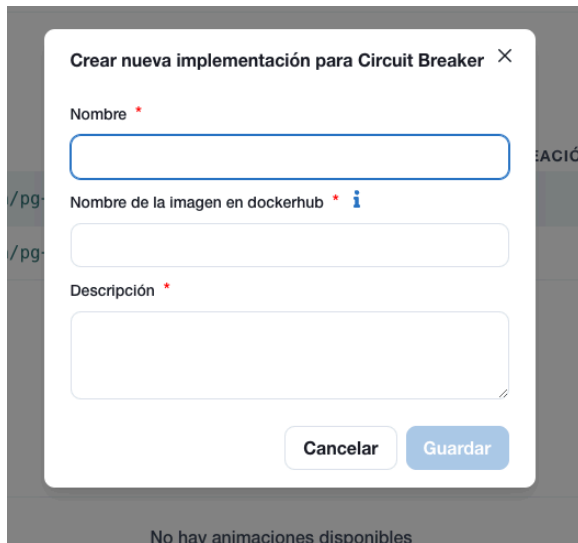


Crear formalización

Editar

Eliminar patron

3. Complete fields for **Name**, **Dockerhub image name*** and **Description**



Crear nueva implementación para Circuit Breaker X

Nombre *

Nombre de la imagen en dockerhub * i

Descripción *

Cancelar Guardar

No hay animaciones disponibles

* Must be the name of the image in docker hub, in platform **linux/amd64** where the implementation is exposed in **port 8090**.

4. Click **Save**

Test Pattern Implementation

1. Access the Pattern.

Patrones			
NOMBRE	DESCRIPCIÓN		
Circuit Breaker	Test		  
Service Registry	test		  

Patrones disponibles

Crear

2. Run test.

←

PATRONES Spanish ▾

Circuit Breaker

Test

Implementations

NOMBRE	IMÁGEN	DESCRIPCIÓN	FECHA DE CREACIÓN				
hystrix	gastoncomba/pg-mt-hystrix-amd	test	23 Jun 2024				
resilience4j	gastoncomba/pg-mt-resilience4j-amd	resilience4j	30 Jun 2024				

Implementaciones disponibles

Agregar implementación

Animations

NOMBRE	DESCRIPCIÓN
--------	-------------

No hay animaciones disponibles

Crear animación

Formalizaciones

M0_CIRCUIT_BREAKER_MCH

EVENTB

m0_circuit_breaker_mch.eventb

Crear formalización

Editar

Eliminar patron

- Complete **Name**, select a **Formalization**, and select an **Strategy** in **yaml** format. Also select **Test cases instantiation** in **yaml** format.

Circuit Breaker

Test

Implementations

OMBRE IMÁGEN

ystrix gastonco

esilience4j gastonco

Animations

NOMBRE DESCRIPCIÓN

No hay animaciones disponibles

Correr tests de la implementación hystrix Del patrón Circuit Breaker

Nombre:

Formalization:

Agregar Estrategia

Agregar Instanciación de casos de pruebas

Cancelar

Correr

- 4. Run tests
- 5. Download, complete and upload the **Wrapper** (junit project) in **zip** format.



- 6. Click **Test**

Se están corriendo los tests. Le notificaremos al finalizar.

Circuit Breaker

Test

Implementations


NOMBRE	IMÁGEN	DESCRIPCIÓN	FECHA DE CREACIÓN				
hystrix	gastoncomba/pg-mt-hystrix-amd	test	23 Jun 2024				
resilience4j	gastoncomba/pg-mt-resilience4j-amd	resilience4j	30 Jun 2024				

Implementaciones disponibles

- 7. When the tests finishes, you will be notified.



8. View Report

 PATRONES Spanish 

Reporte: test

25 Jul 2024

```
[ [1;34mINFO [m] Scanning for projects...[ [1;34mINFO [m][ [1;34mINFO [m] [1m-----<
[0;36muy.edu.fing.svergara:junit-circuit-breaker-hystrix [0;1m >----- [m[ [1;34mINFO [m]
[1mBuilding junit-circuit-breaker-hystrix 1.0-SNAPSHOT [m[ [1;34mINFO [m] [1m-----
-----[ jar ]----- [m[ [1;34mINFO [m][ [1;34mINFO [m] [1m--- [0;32mmaven-
resources-plugin:2.6:resources [m [1m(default-resources) [m @ [36mjunit-circuit-breaker-hystrix [0;1m
--- [m[ [1;33mWARNING [m] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e.
build is platform dependent![[ [1;34mINFO [m] skip non existing resourceDirectory /usr/server-runner/pg-
mt-env-runner/temporal_files/junits/54c39984-0bd7-46fc-a529-a60d50bb84e2/junit-circuit-breaker-
hystrix/src/main/resources[ [1;34mINFO [m][ [1;34mINFO [m] [1m--- [0;32mmaven-compiler-
plugin:3.1:compile [m [1m(default-compile) [m @ [36mjunit-circuit-breaker-hystrix [0;1m --
- [m[ [1;34mINFO [m] Changes detected - recompiling the module![[ [1;33mWARNING [m] File encoding has not
been set, using platform encoding UTF-8, i.e. build is platform dependent![[ [1;34mINFO [m] Compiling 3
source files to /usr/server-runner/pg-mt-env-runner/temporal_files/junits/54c39984-0bd7-46fc-a529-
a60d50bb84e2/junit-circuit-breaker-hystrix/target/classes[ [1;34mINFO [m][ [1;34mINFO [m] [1m---
[0;32mmaven-resources-plugin:2.6:testResources [m [1m(default-testResources) [m @ [36mjunit-circuit-
breaker-hystrix [0;1m --- [m[ [1;33mWARNING [m] Using platform encoding (UTF-8 actually) to copy
filtered resources, i.e. build is platform dependent![[ [1;34mINFO [m] skip non existing
resourceDirectory /usr/server-runner/pg-mt-env-runner/temporal_files/junits/54c39984-0bd7-46fc-a529-
a60d50bb84e2/junit-circuit-breaker-hystrix/src/test/resources[ [1;34mINFO [m][ [1;34mINFO [m] [1m---
[0;32mmaven-compiler-plugin:3.1:testCompile [m [1m(default-testCompile) [m @ [36mjunit-circuit-
breaker-hystrix [0;1m --- [m[ [1;34mINFO [m] Changes detected - recompiling the module!
[[ [1;33mWARNING [m] File encoding has not been set, using platform encoding UTF-8, i.e. build is
platform dependent![[ [1;34mINFO [m] Compiling 1 source file to /usr/server-runner/pg-mt-env-
runner/temporal_files/junits/54c39984-0bd7-46fc-a529-a60d50bb84e2/junit-circuit-breaker-
hystrix/target/test-classes[ [1;34mINFO [m][ [1;34mINFO [m] [1m--- [0;32mmaven-surefire-
plugin:2.12.4:test [m [1m(default-test) [m @ [36mjunit-circuit-breaker-hystrix [0;1m --
- [m[ [1;34mINFO [m] Surefire report directory: /usr/server-runner/pg-mt-env-
runner/temporal_files/junits/54c39984-0bd7-46fc-a529-a60d50bb84e2/junit-circuit-breaker-
hystrix/target/surefire-reports-----T E S T S-----
-----Running uy.edu.fing.svergara WrapperTest[test log]
[1721869167294] initialisation()[test log] [1721869169603] request(microservice_response=true) =
[{"email":"personal@fing.edu.uy","assessedSkills":{"spring":2,"python":4,"watson":5,"eventb":3}},
{"email":"persona2@fing.edu.uy","assessedSkills":{"spring":3,"python":1,"watson":2,"eventb":5}}][test
log] [1721869169630] initialization status = 200[test log] [1721869169631]
isValid_circuit_breaker(CLOSED)[test log] [1721869169677] test request =[test log] [1721869169805]
starting clock()[test log] [1721869170806] ended clock()[test log] [1721869170806]
isValid_circuit_breaker(CLOSED)[test log] [1721869170810] test request =[test log] [1721869170811]
initialisation()[test log] [1721869170823] request(microservice_response=true) =
```