

Tester ses APIs web avec



Karate



Jean-Baptiste Cotard

 @jbcotard

Développeur

 sesam-vitale



@agilemans



@gdglemans

Le Mans School of IA

@IALeMans

Framework nativement orienté web



- Comprend les verbes HTTP
- REST, SOAP
- JSON, XML (et CSV, YAML)

Un DSL basé sur Gherkin

Scenario: create and retrieve a cat

Given url 'http://myhost.com/v1/cats'

And request { name: 'Billie' }

When method post

Then status 201

And match response == { id: '#notnull', name: 'Billie' }

Given path response.id

When method get

Then status 200

JSON is 'native'
to the syntax

Intuitive DSL
for HTTP

Payload
assertion in
one line

Second HTTP
call using
response data



démos



Autres fonctions intéressantes

- Appel de fonctions Java et Javascript
- Mock , hooks
- Websocket/ async
- Test de performance, test UI, ...

Start	Maven Gradle Quickstart Standalone Executable Naming Conventions Script Structure
Run	JUnit 4 JUnit 5 Command Line IDE Support Tags / Grouping Parallel Execution Java API
Report	Configuration Environment Switching Reports JUnit HTML Report Logging
Types	JSON XML JavaScript Functions Reading Files Type / String Conversion Floats and Integers Embedded Expressions JsonPath XPath Karate Expressions
Variables	def text table yaml csv string json xml xmlstring bytes copy
Actions	assert print replace get set remove configure call callonce eval read() karate API
HTTP	url path request method status soap action retry until
Request	param header cookie form field multipart file multipart field multipart entity params headers cookies form fields multipart files multipart fields
Response	response responseBytes responseStatus responseHeaders responseCookies responseTime responseType requestTimeStamp
Assert	match == match != match contains match contains only match contains any match !contains match each match header Fuzzy Matching Schema Validation contains short-cuts
Re-Use	Calling Other *.feature Files Data Driven Features Calling JavaScript Functions Calling Java Code Commonly Needed Utilities Data Driven Scenarios
Advanced	Polling Conditional Logic Before / After Hooks JSON Transforms Loops HTTP Basic Auth Header Manipulation GraphQL Websockets / Async call vs read()
More	Mock Servlet Test Doubles Performance Testing UI Testing Desktop Automation VS Code / Debug Karate vs REST-assured Karate vs Cucumber Examples and Demos



Conclusion



<https://github.com/intuit/karate>



<https://github.com/jbcotard/demo-karate>