

PACT TEST

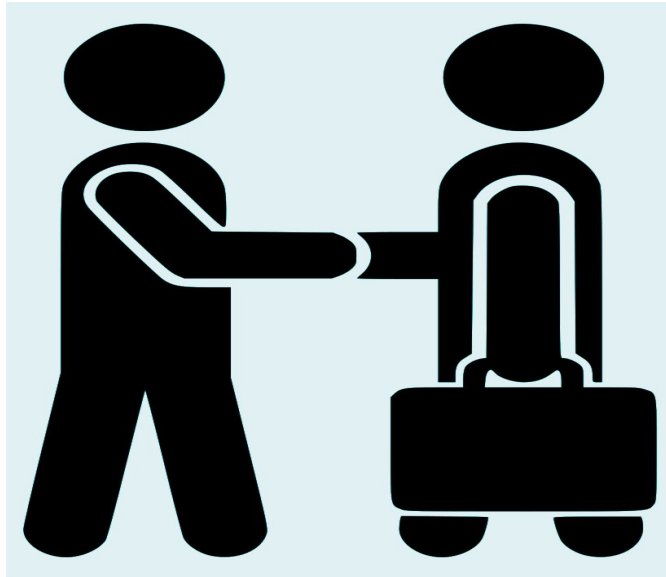
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AGENDA

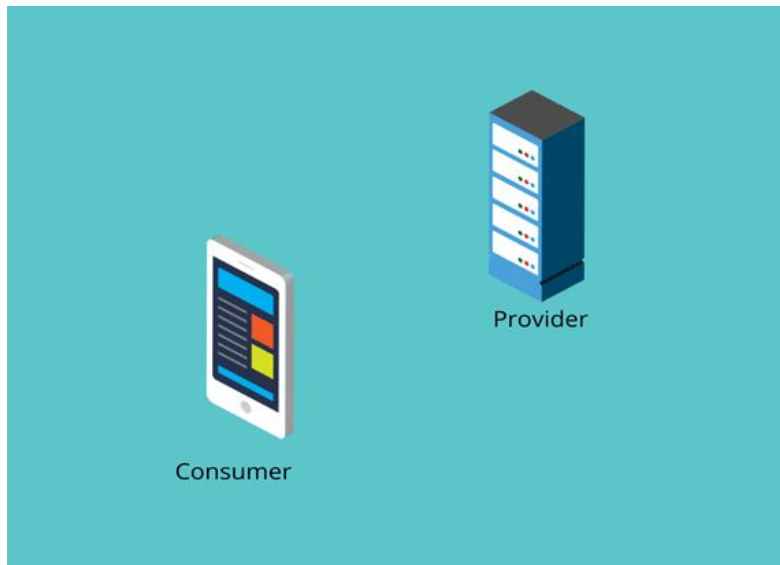
- Introduction
- Problem with integration tests
- How pact works
- Pact broker

Introduction

- Pact is a code-first consumer-driven contract testing tool, and is generally used by developers and testers who code.
- It is used for testing HTTP and message integrations using contract tests.
- Contract tests assert that inter-application messages conform to a shared understanding that is documented in a contract.
- Pact provides that testing button for your code, allowing you to safely confirm that your applications will work together without having to deploy the world first.



Problem with integration tests



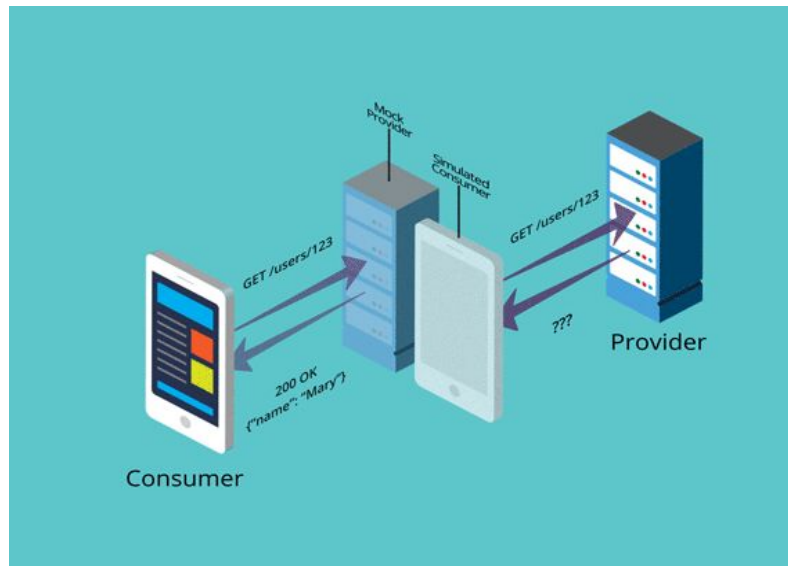
Without contract testing, the only way to ensure that applications will work correctly together is by using expensive and brittle integration tests.

- ✓ give us confidence to release
- ✗ introduce dependencies
- ✗ give slow feedback
- ✗ break easily
- ✗ require lots of maintenance

How pact works

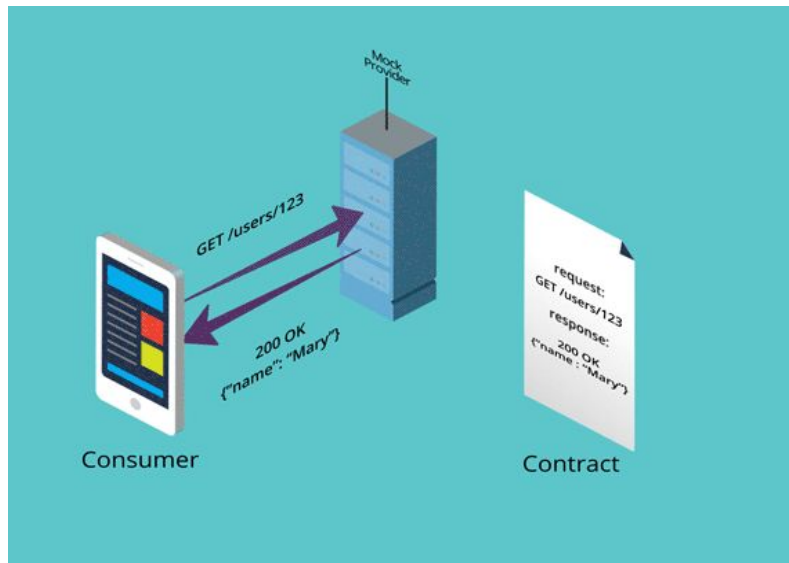
Consumer Side

During the consumer tests, each request made to a Pact mock provider is recorded into the contract file, along with its expected response.



How pact works

Provider Side



- A Pact simulated consumer then replays each request against the real provider, and compares the actual and expected responses.
- If they match, we have verified that the simulated applications behave the same way as the real applications.
- This means the two real applications should communicate correctly when they interact in real life

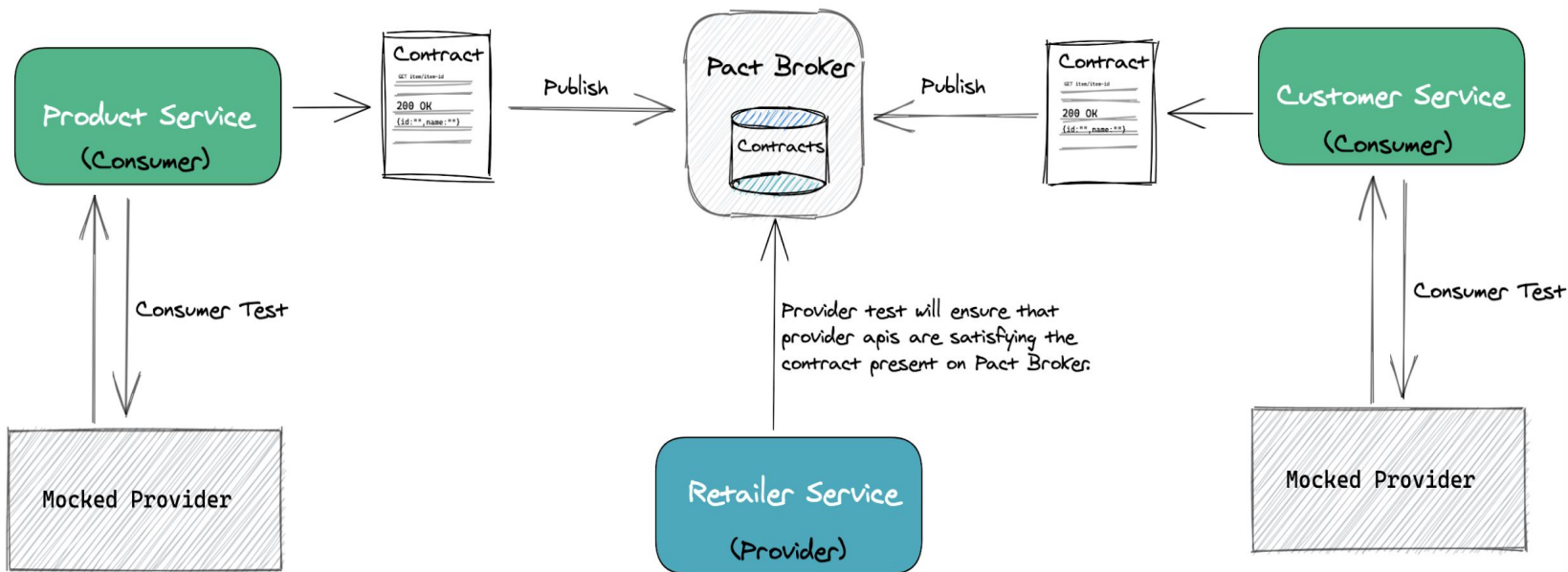
Using Pact gives you tests that

- ✓ run independently
- ✓ give fast feedback
- ✓ are stable
- ✓ are easy to maintain
- ✓ give you confidence to release



Pact Broker

- The Pact Broker is an application for sharing for consumer driven contracts and verification results.
- It is optimised for use with "pacts"





THANK YOU !!