

ORGANISATIONAL CONTEXT

YOUR CONTRACT TESTING PROJECT

BUSINESS CASE QUESTIONNAIRE

1. What are the biggest challenges to continuous delivery in your project\organisation?

2. Do you practice CI **yes / no**

3. Time between a commit and Production deploy is _____ mins / hours / days / weeks

4. Automated tests are written by **devs / testers / _____** (check all that apply)

5. The bulk of automated tests are **unit / integrated / e2e / _____** (check all that apply)

6. How painful are releases **1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10**

7. How are you currently finding the majority of your integration bugs? (e.g. bugs, production issues, integration tests...)

Over the course of the engagement, we will be covering everything from a basic "how Pact works", to contract testing best practises, avoiding pitfalls, and how to integrate Pact into your CI/CD pipelines. Are there specific questions that people have that we should be sure to cover?

CONTRACT TESTING

1. What goals you are hoping to achieve by using contract testing in your organisation?

2. What are the biggest challenges to introducing contract testing to your organisation?

3. What level of experience does your organisation have with Pact? **1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10**

3b. What aspects have you found most challenging?

4. If you currently have applications using Pact, which of the following are happening?

- Consumers are generating pacts
- Pacts are shared manually
- Pacts are published to a Pact Broker
- Providers are verifying pacts
- Verification results are published to a Pact Broker
- Tags are used for introducing changes to pacts
- Consumers check the pact status in the Pact Broker before deploying using can-i-deploy
- Providers check the pact status in the Pact Broker before deploying using can-i-deploy
- Tags are used when deploying applications

EXPERIMENTATION

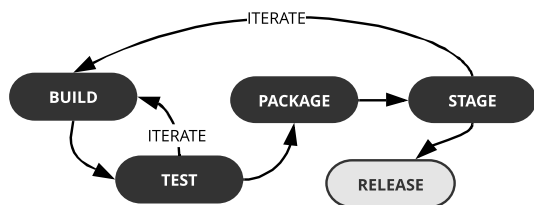
Identify a target contract to test as an initial experiment: Frame the parameters of a simple experiment as per below as a starting point to demonstrate any benefits of contract testing. Use actionable metrics to frame success (e.g. time-to-market, reduced bugs, speed of pipeline, build failure %).

Complete this sentence:

- We believe that**
[implementing contract testing for *these components*]
- Will achieve**
[this outcome]
- We will know we are successful when we see**
[a positive change in the following metrics]

BUILD/DEPLOY PIPELINE

Draw your CD process: What steps do you take to get from commit to production? Are there manual steps? What are your most common impediments or issues? Do you use GitHub flow or a custom process to promote code to production?



TIP: Identifying stages in the process
 Identify common elements and group under a header such as "test". Each stage may have many steps.

ARCHITECTURE

Draw your architecture : Include all collaborating components, what language they are in, who manages them. What are the *contracts* you are most interested in?

Key

Annotate your architecture with to identify your technology mix.

- | | |
|-----------------------|-------------------------|
| J - JavaScript | G - Golang |
| JVM - Java\Kotlin\JVM | P - Python |
| R - Ruby | S - Swift / Objective-C |
| N - .NET | PHP - PHP |
| O - Other | |