

15ème
édition de la
**Journée
Française
des Tests
Logiciels**



13 juin 2023

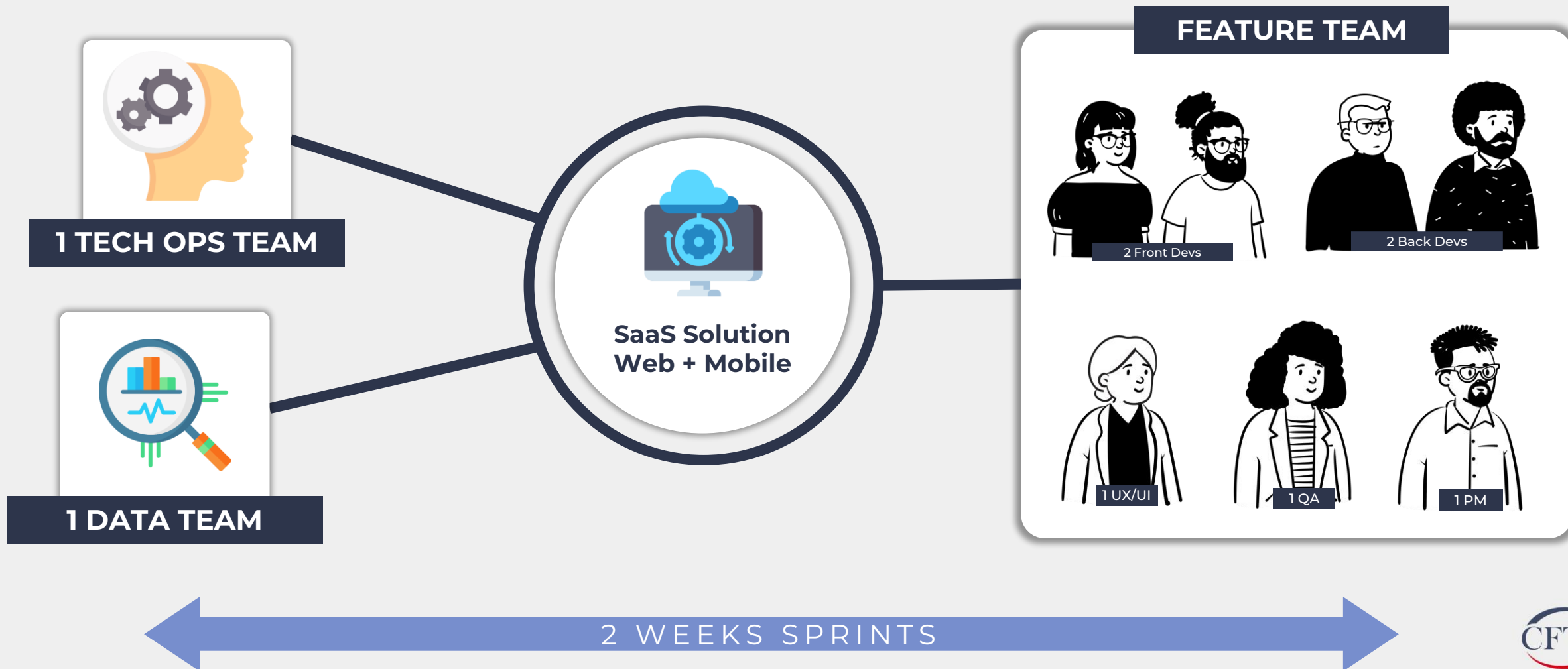


Beffroi de
Montrouge

QA FOR ALL



QIMA context



Core topics

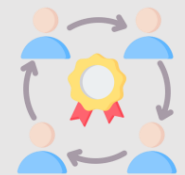
From
static

to **dynamics**
environments



From
« quality is the **matter**
of QA team »

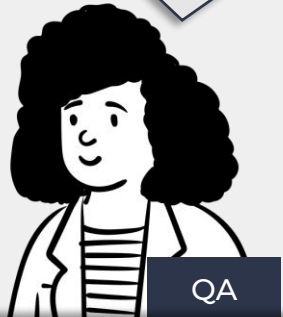
to « quality is
the **matter of all** »



Shared environment challenges



Hey KALIF, would be awesome to have the new report feature available without critical bugs next Monday for the clients. This will brings satisfaction of the 90% that requested it last week



Yo PAM!
I'll do my best.

1ST CHALLENGE

2ND CHALLENGE

3RD CHALLENGE

Shared environment challenges



Hey DEV, can I start
my tests ?



1ST CHALLENGE

- Late deployments
- Tests to be done shortly

Sorry KALIF, the
penguins
environment was
down.



2ND CHALLENGE

3RD CHALLENGE

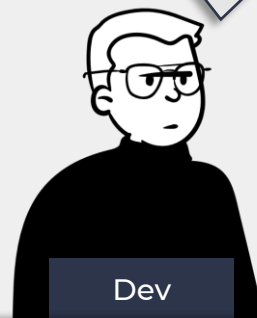
Shared environment challenges



1ST CHALLENGE

- Late deployments
- Tests to be done shortly

TECO, can you help me dumping the database and fix the env ?



2ND CHALLENGE

- Unavailable or unstable environments

Ok DEV, create a jira ticket for that and I'll check it after lunch :)



3RD CHALLENGE

Shared environment challenges



1ST CHALLENGE

- Late deployments
- Tests to be done shortly



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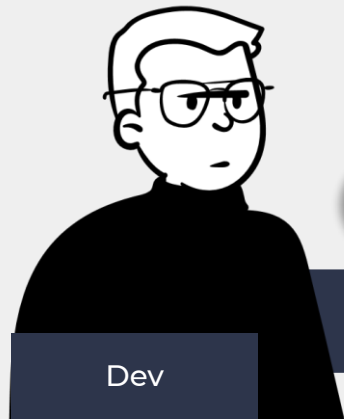


Ok DEV, create a jira ticket for that and I'll check it after lunch :)

3RD CHALLENGE

- QA and DEV depending on TechOPS
- TechOPS overbooked

Dynamic test environment



create-sandbox

Label added on a Pull
Request



Qima-platform

Dedicated sandbox
environment

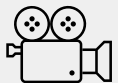
QIMAone

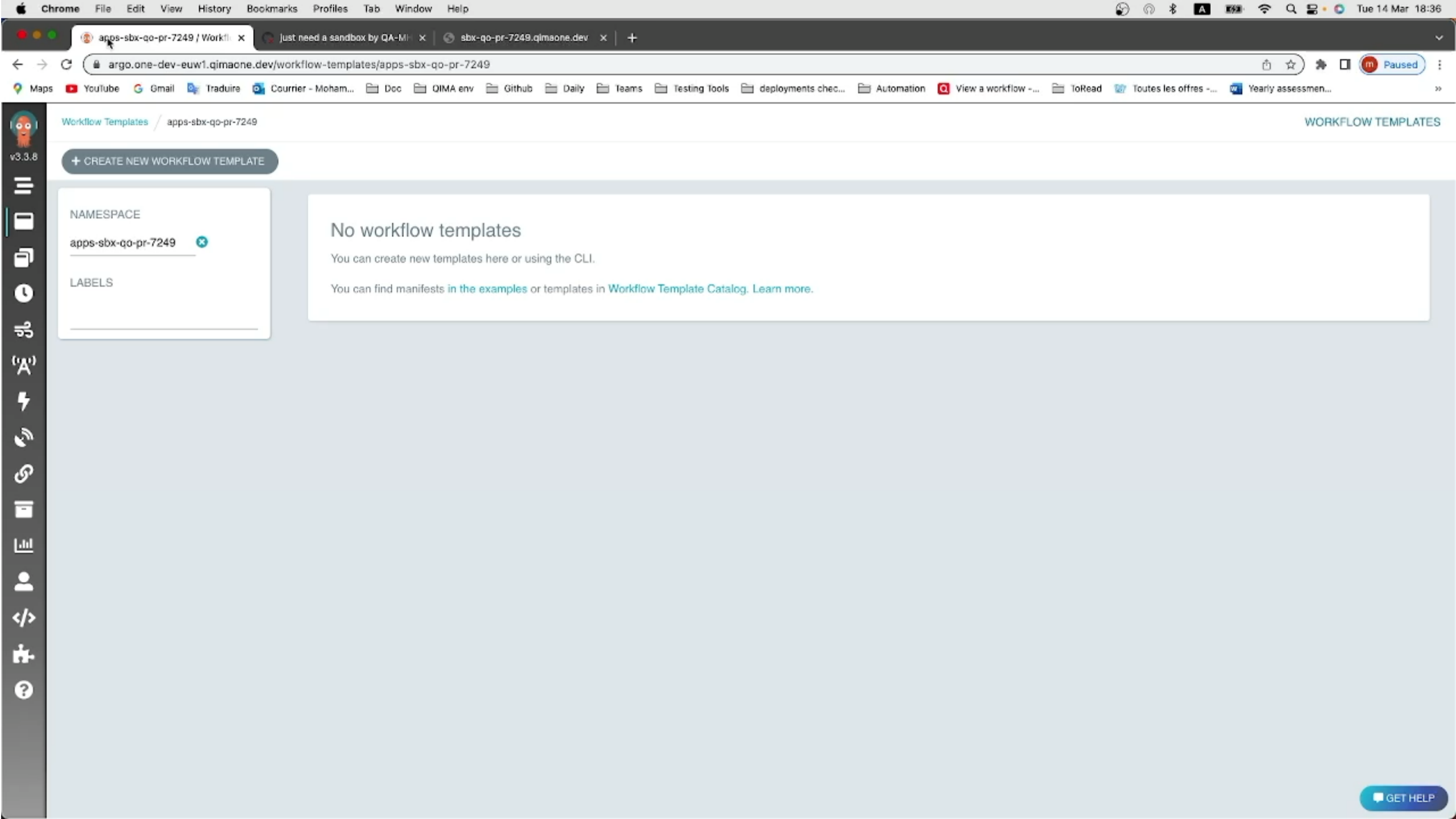
Email

Password

Remember me [Forgot password?](#)

SIGN IN





Why towards the shift-left

Test and detect
bugs earlier

With correct
Test Data on it

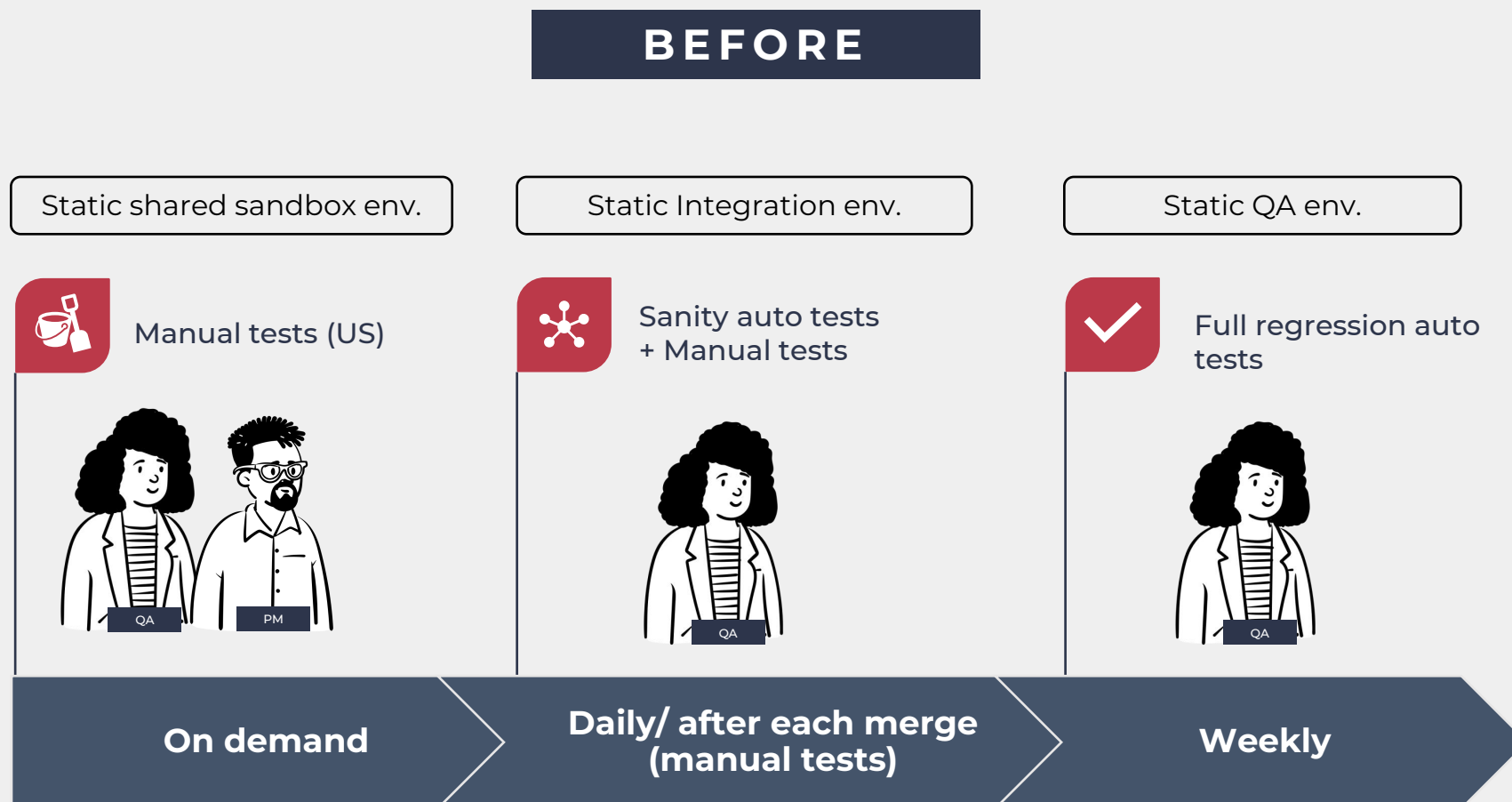
Test Scripts
available

Dynamic
environments



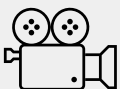
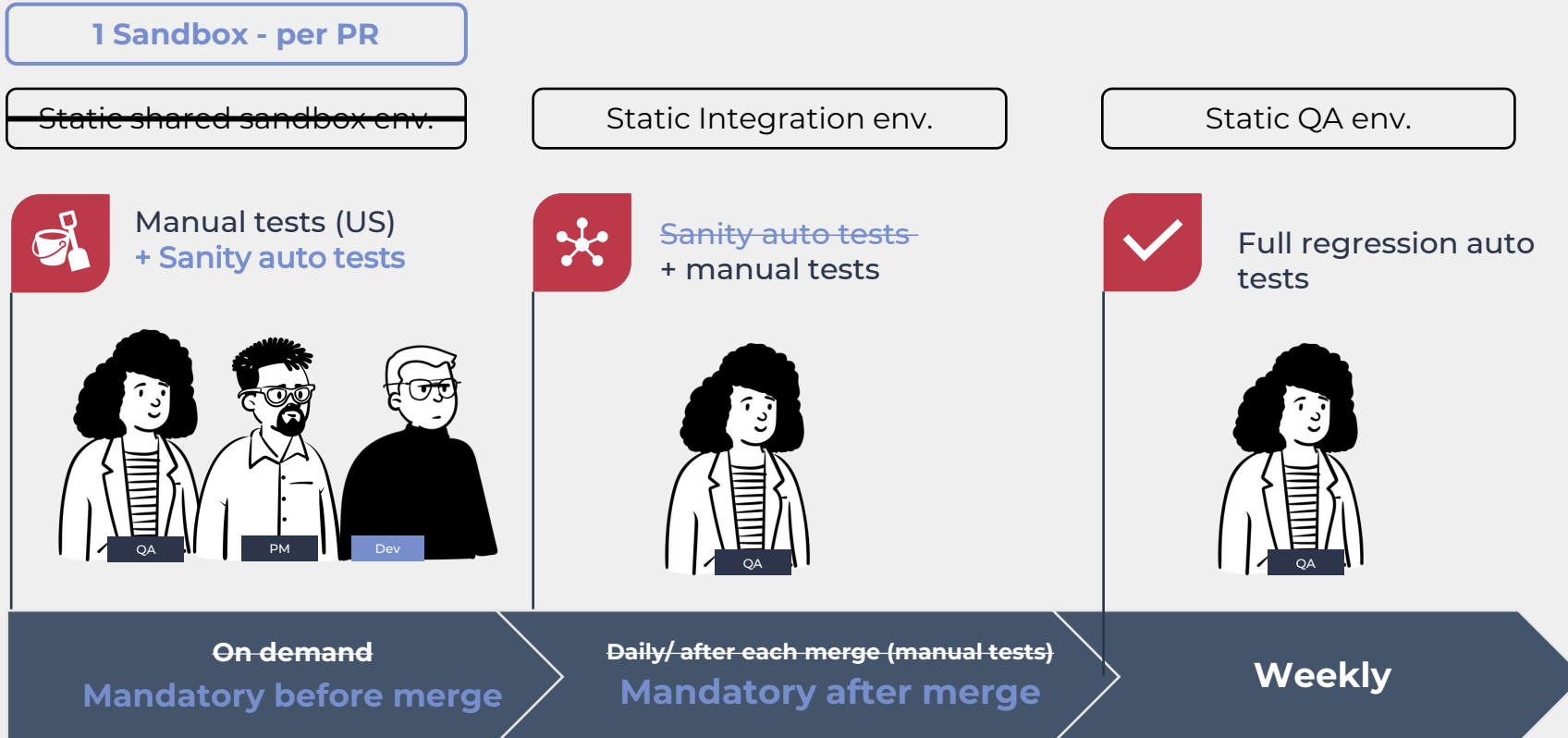
Reshaping the process

BEFORE



Reshaping the process

AFTER



qima-policy-bot requested your review on this pull request. Add your review

feat: customize tables for brands #7247

bedetunq wants to merge 9 commits into develop from feature/pl19-cats/PL-18519-customize_tables_for_brands

Conversation 2 Commits 9 Checks 31 Files changed 27 +040 -295

bedetunq commented yesterday - edited

UIA PL-18519

OVERVIEW

TODD

SANDBOX URLS

Front: <https://sbx-qa-pr-7247.qimaone.com/>

SCREENSHOTS

QIMA link

REPORT	DESCRIPTION	STATUS	DATE	LINK
Report 1	Report 1	Report 1	2023-03-15	Report 1
Report 2	Report 2	Report 2	2023-03-15	Report 2
Report 3	Report 3	Report 3	2023-03-15	Report 3
Report 4	Report 4	Report 4	2023-03-15	Report 4
Report 5	Report 5	Report 5	2023-03-15	Report 5
Report 6	Report 6	Report 6	2023-03-15	Report 6
Report 7	Report 7	Report 7	2023-03-15	Report 7
Report 8	Report 8	Report 8	2023-03-15	Report 8
Report 9	Report 9	Report 9	2023-03-15	Report 9
Report 10	Report 10	Report 10	2023-03-15	Report 10
Report 11	Report 11	Report 11	2023-03-15	Report 11
Report 12	Report 12	Report 12	2023-03-15	Report 12
Report 13	Report 13	Report 13	2023-03-15	Report 13
Report 14	Report 14	Report 14	2023-03-15	Report 14
Report 15	Report 15	Report 15	2023-03-15	Report 15
Report 16	Report 16	Report 16	2023-03-15	Report 16
Report 17	Report 17	Report 17	2023-03-15	Report 17
Report 18	Report 18	Report 18	2023-03-15	Report 18
Report 19	Report 19	Report 19	2023-03-15	Report 19
Report 20	Report 20	Report 20	2023-03-15	Report 20

Reviews

At least 2 approving reviews are required to merge this pull request.

Assignees

Labels

Projects

Milestones

Development

Notifications

Difficulties

*Working well **if I want to deploy something for the next day.** (I think that the ~1hour is too long)*

TECHNICAL

- Complexity of the creation/deletion of 1 sandbox per pr project
- Almost 1 year to have a stable workflow
- Creation of dynamic environment time > 45'

*Love the feature, only things lacking are **more direct feedback(logs), and ideally faster creation.***

***I don't wish this to happen too often,** since developing is the main battlefield of a developer.*

OPERATIONAL

- Concerns about the velocity of DEVs
- Reticence of DEV to do QA activities
- Lack of knowledge of the QA field and skills

*It **delays** the whole team on the delivery.*

How to overcome the difficulties



Continuous
feedbacks



Documentation



Promote the QA
for all mindset



Fun events
to transfer
and share
knowledge

Success key factors



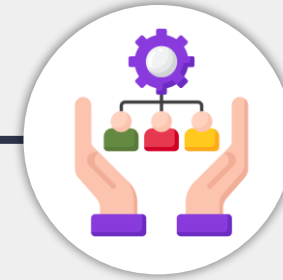
TECHNICAL

- 🔑 Creating 1 Sandbox per PR
- 🔑 Refactoring automated tests



ORGANIZATIONAL

- 🔑 Management support
- 🔑 Running automated tests on Sandbox
- 🔑 Starting "QA tech sprints"
- 🔑 Defining common OKRs for DEVs and QAs

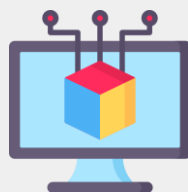


CHANGE MANAGEMENT

- 🔑 Animating Workshops
- 🔑 Organizing "Shadow QA" sessions
- 🔑 Adding automated tests in test plans
- 🔑 Support of engaged DEVs
- 🔑 Documenting and recording demo's sessions

Added values and some key indicators

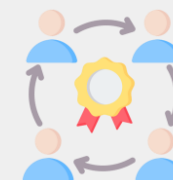
Sandbox PER PR



- ✓ No wasted time to find an available environment
- ✓ Less environment maintenance effort
- ✓ Better test data management
- ✓ Quality report per PR

- **524/y** Sandboxes created
- **20** Sandbox alive at once

QA FOR ALL APPROACH



- ✓ Faster test code maintenance
- ✓ Higher test coverage
- ✓ Build on skills and better code quality
- ✓ Higher utilization rate of automated tests
- ✓ Better time to market

- **50%** less critical bugs for Q12023 comparing to Q12022
- **20%** higher test coverage

Needed QA profile



Functional
QA



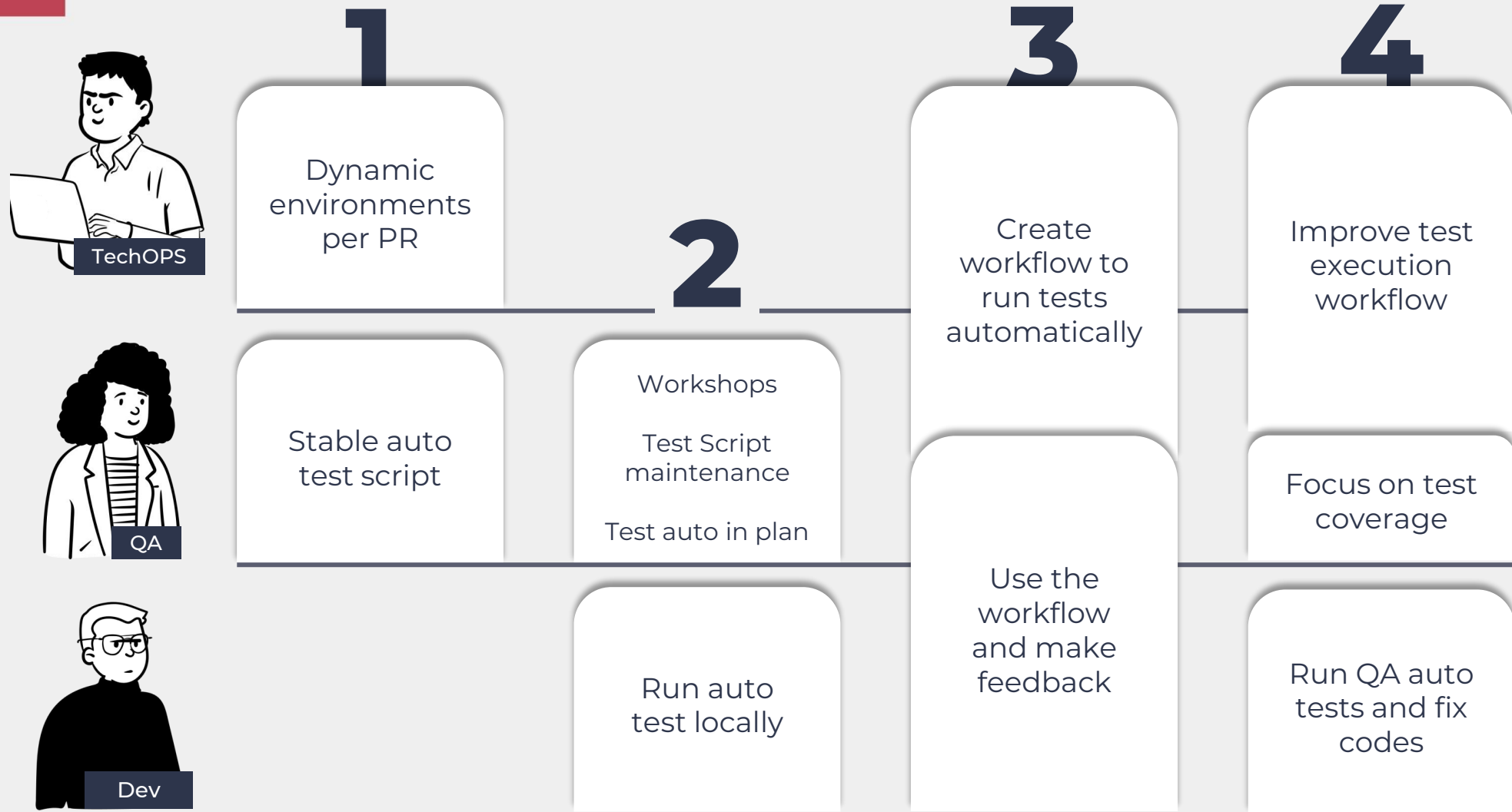
Techno-Functional
QA



QEng / QAOPS

- Technical challenges
- Environment management
- Test Data Management
- CICD

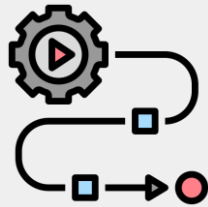
Summary



Next steps



Implement dynamic environments and QA for all approach in other QIMA projects and entities



100% of new E2E scenarios automated in same sprint



QA can explore AI in its operations for further improvements



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Merci de votre écoute !



Comité Français
des Tests Logiciels