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State of ETOS

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What we will talk about

- > What is ETOS
- > Current state of ETOS
- > The future of ETOS
- > Questions

What is ETOS?

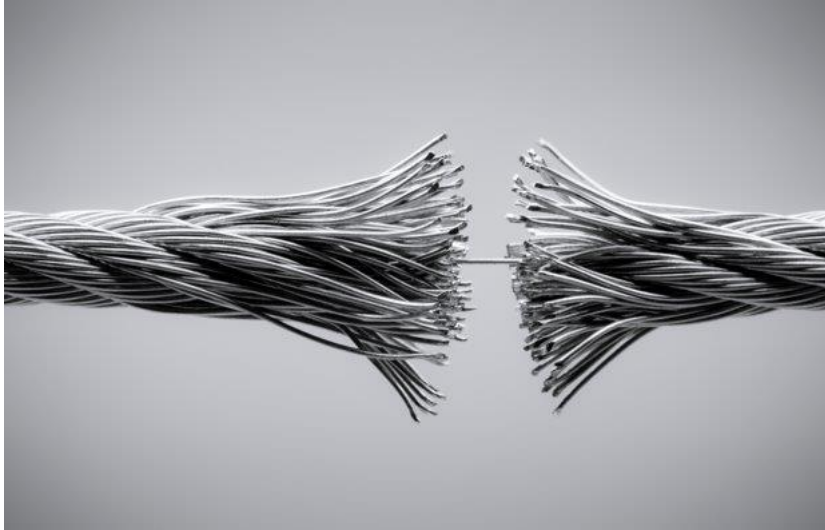
Eiffel Test Orchestration System

Mission

- > Give testers more flexibility
- > Enable more dynamic test automation
- > Decoupling of testing pipelines
- > Enable better traceability
- > Increase speed



Separation of concerns



- > Guiding "Principles"
- > In the spirit of *"Loose coupling, High Cohesion"*
- > *"Work with what you know"*
- > Focus

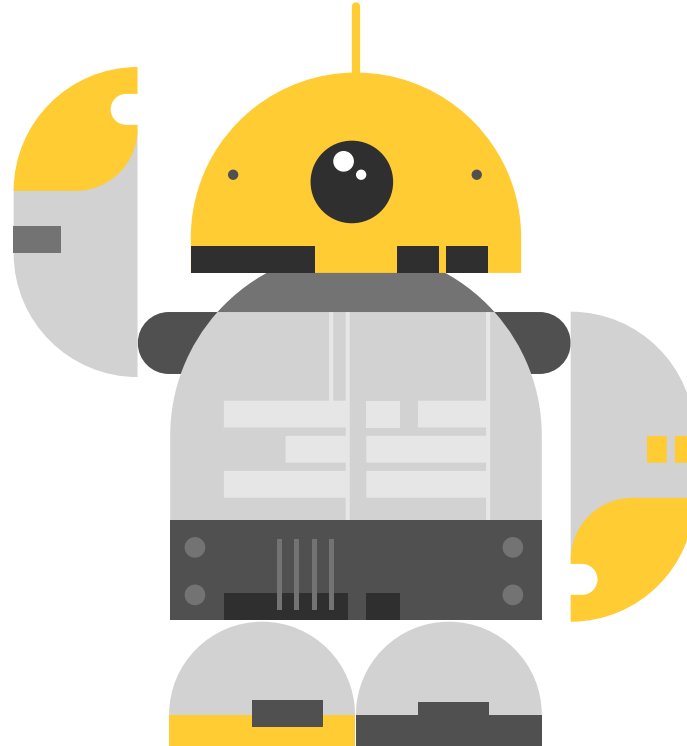
Separation of concerns – Test Engineer

- > Test Engineer
 - > Testers knows what to test
 - > Focus on the test scope
 - > Build the test suite



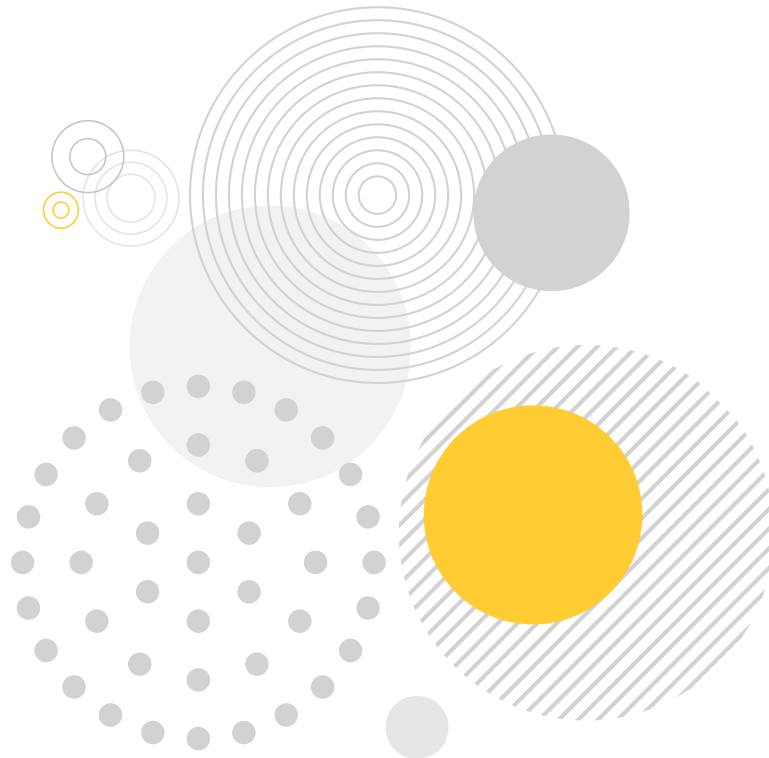
Separation of concerns – Test Automation Engineer

- > Test Automation Engineer
 - > Writes the code
 - > Focus on the test implementation
 - > Configures how tests are run



Separation of concerns

- > System Engineer
 - > System Owner
 - > Focus on needs of the others
 - > Configure, Deploy and Manage



Overview



- > A Composition of "micro" services
- > Written in Python
- > Running on Kubernetes
 - > Strong dependency
- > Communication
 - > Eiffel and HTTP

Concepts



- > Concepts
 - > Test runners
 - > Containers
 - > Python, Go, Rust
 - > Providers
 - > Execution Space
 - > Item Under Test
 - > Log Area


ETOS Services



- > ETOS Client
- > ETOS API
- > ETOS Environment Provider
- > ETOS Suite Starter
- > ETOS Suite Runner
- > ETOS Test Runner
- > *(ETOS Suite Builder)*
- > *(ETOS Dashboard)*

Current state of ETOS

Features

A green hexagonal icon with a white center and a green border, casting a shadow.

**External
Providers**

A blue hexagonal icon with a white center and a blue border, casting a shadow.

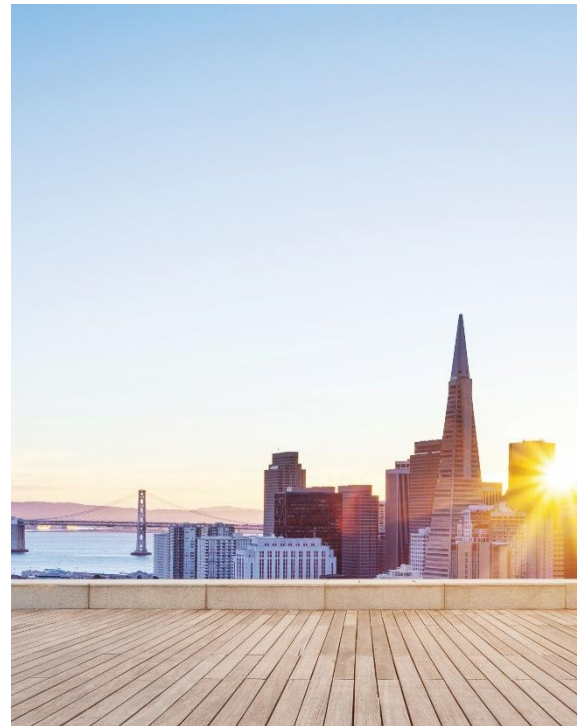
Stability

A yellow hexagonal icon with a white center and a yellow border, casting a shadow.

**Easier to
Observe**

Adoption

- > Full support at Axis
- > No other companies yet



Future of ETOS

Upcoming

Permutations

- > Permutation
- > System testing
- > Sequential

Documentation

- > Improvements
- > Target groups
- > Automate

Golang

- > Rewrite
- > Controllers
- > Flexibility



THANK YOU