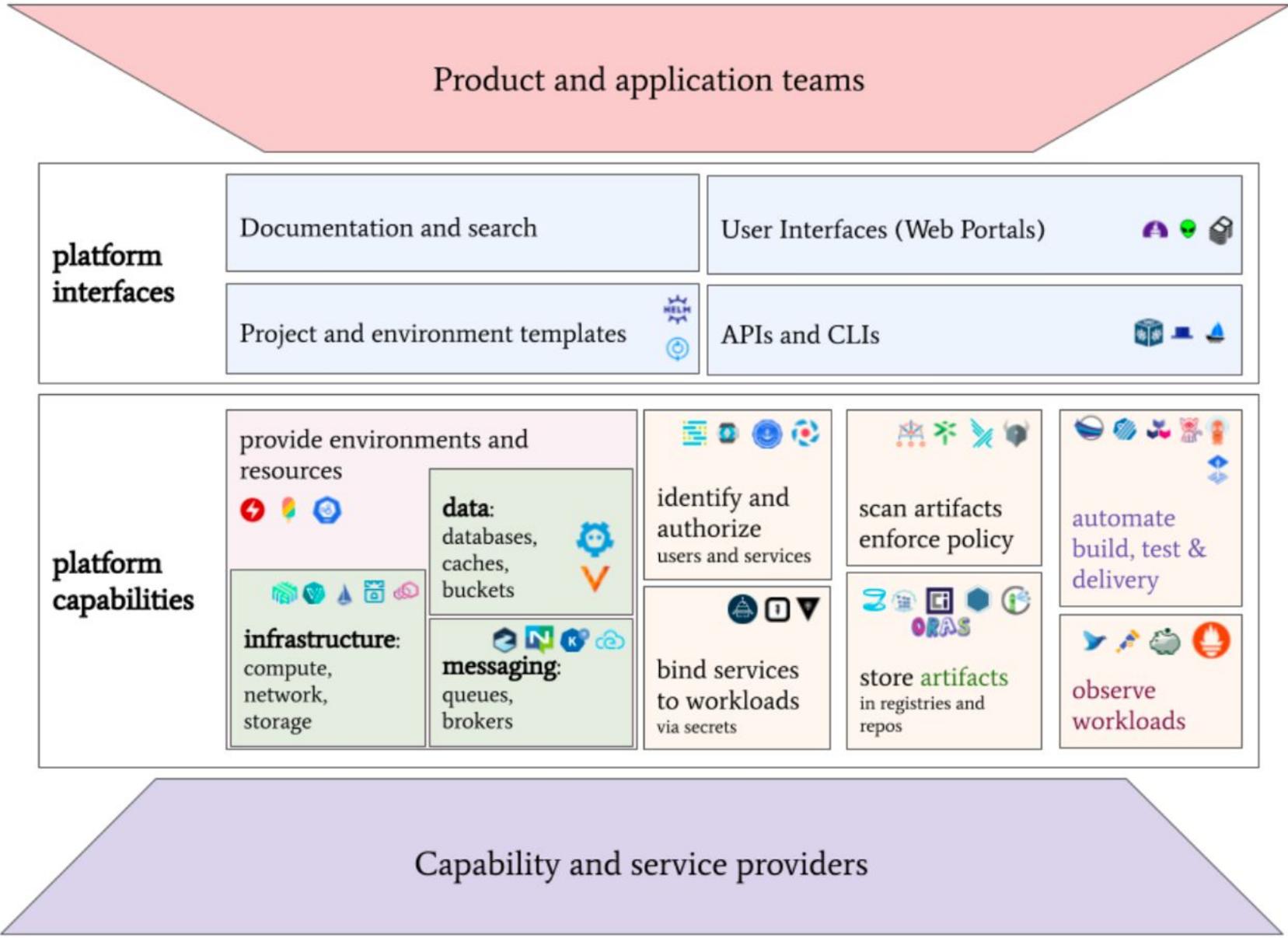
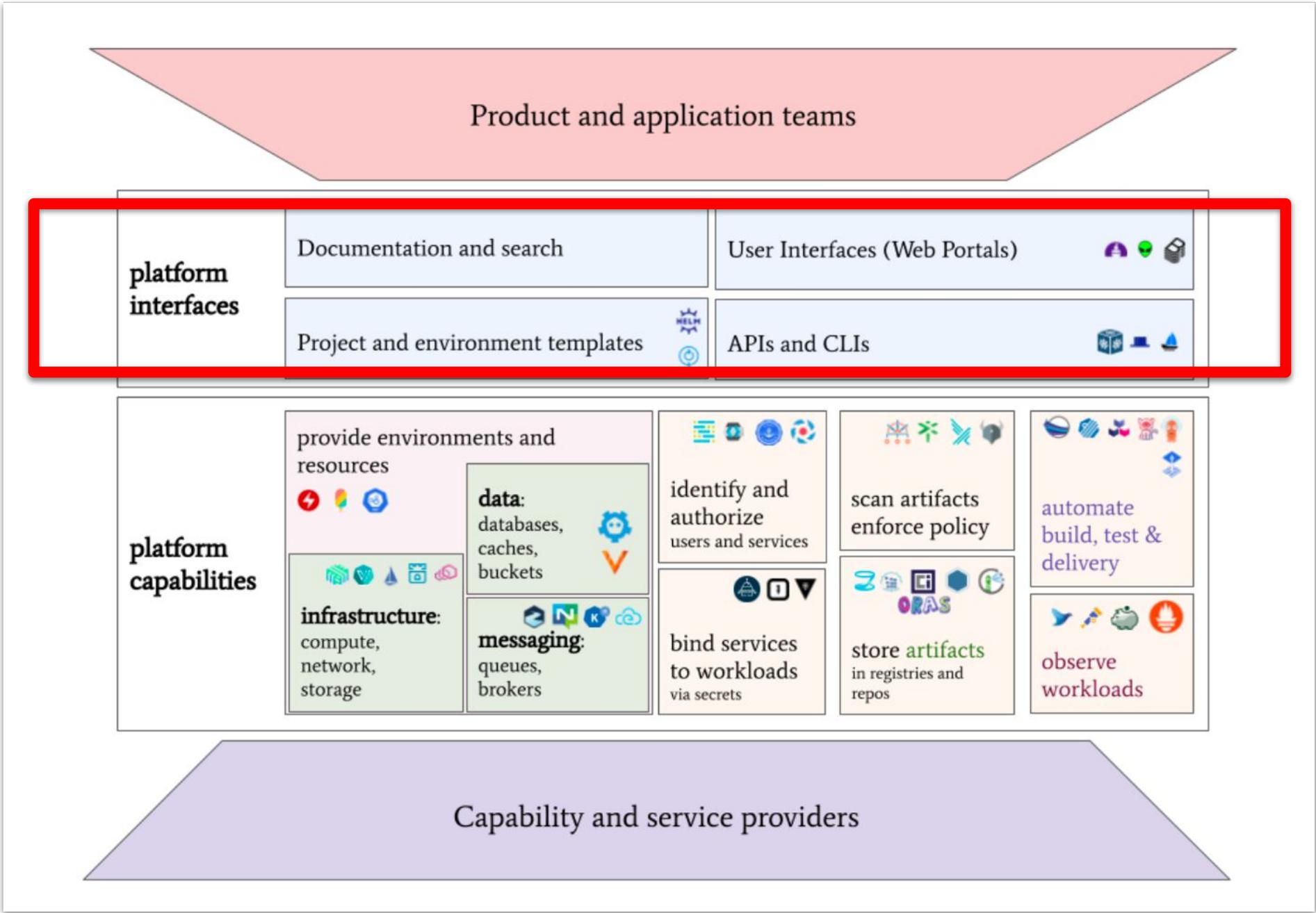


# When the developer is the customer

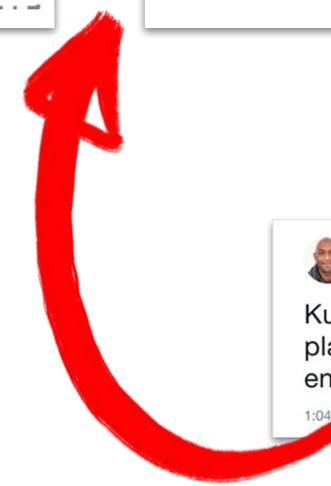
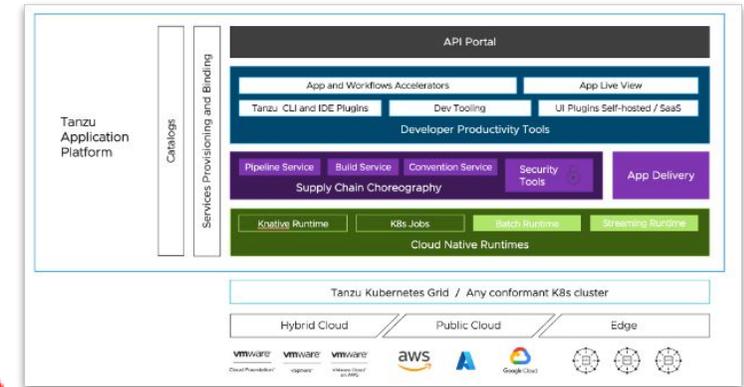
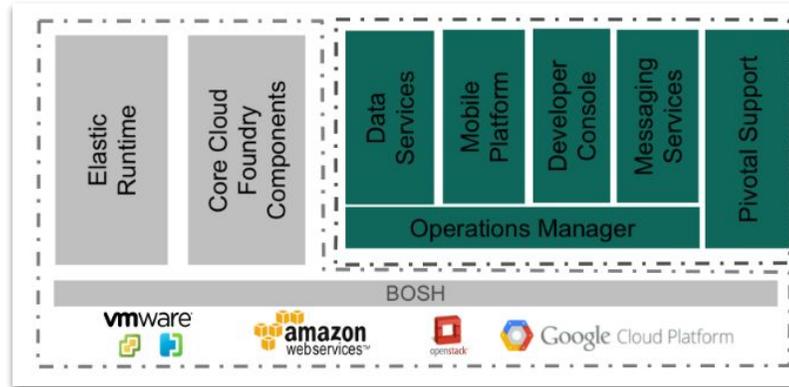
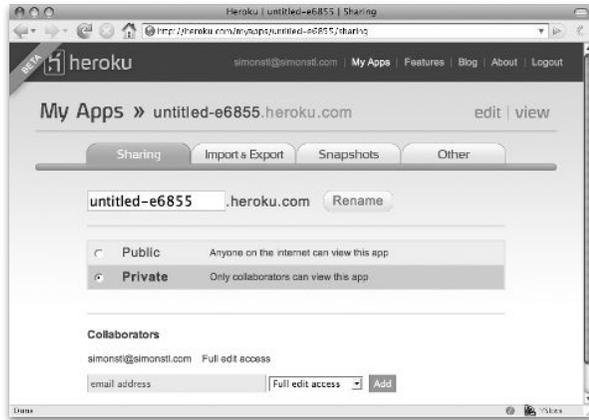
What to request from the platform team

Coté, Feb 2024





# Eternal Reoccurrence of platforms



Not pictured:

OO, Small Talk, RUP, CORBA, J2EE/.Net, SOA & WS-\*, RAD, Low Code, Public Clouds

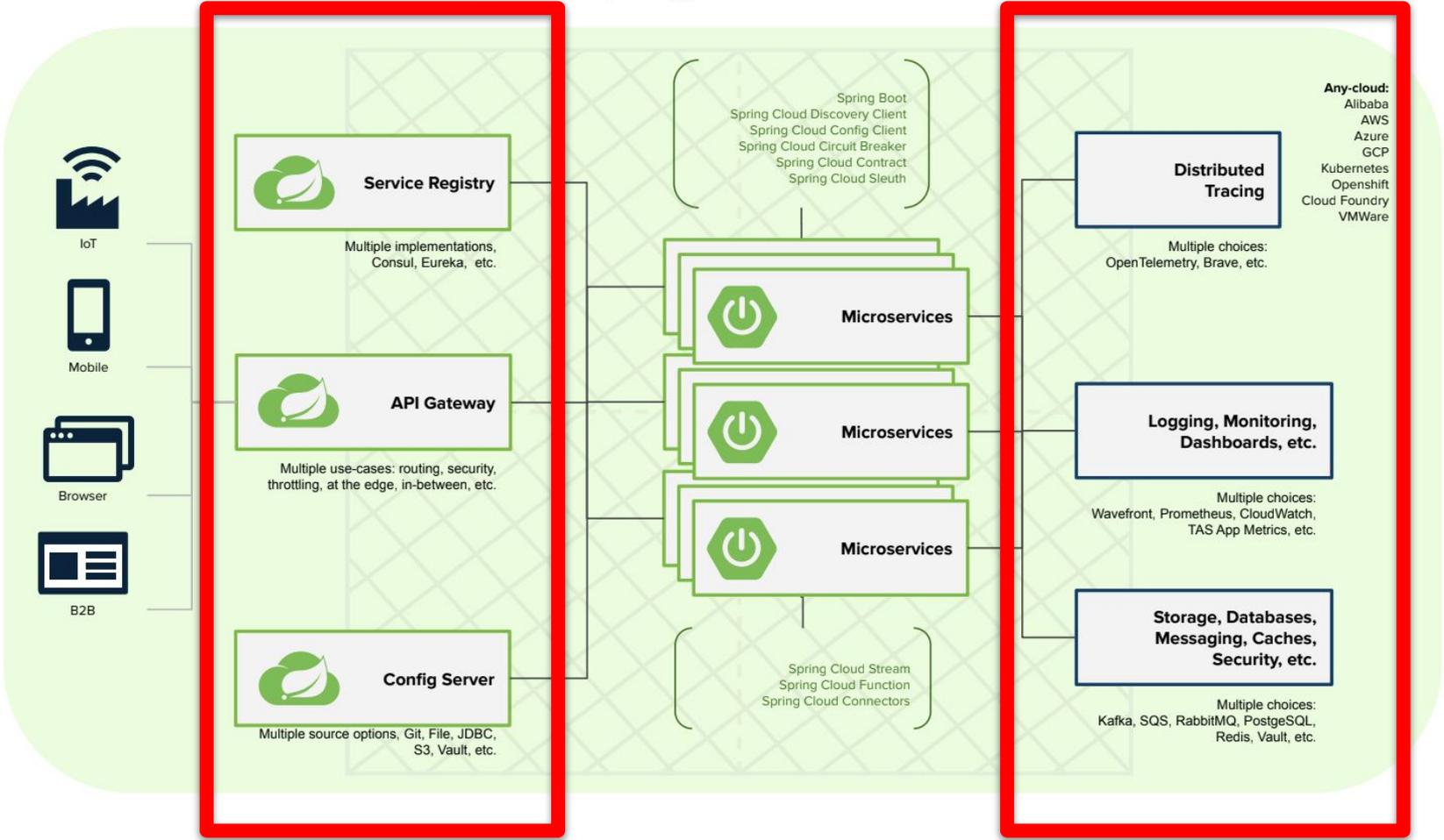
“We are building this platform not for us, we are building it for Mercedes-Benz developers.”

[Thomas Müller, Mercedes-Benz](#)



# The platform team should manage **undifferentiated services**

A Typical Spring Cloud Architecture



# Faster upgrades, new capabilities, less tuning & maintenance for app developers

```
Terminal Shell Edit View Window Help
upgrade-example --bash -- 135x32
~/fun/dashaun/hello-spring-boot-2-6 --dashaun@ampere: --bash
~/fun/dashaun/openrewrite-spring-boot-upgrade-example/upgrade-example --bash

#### Comparison of memory usage and startup times

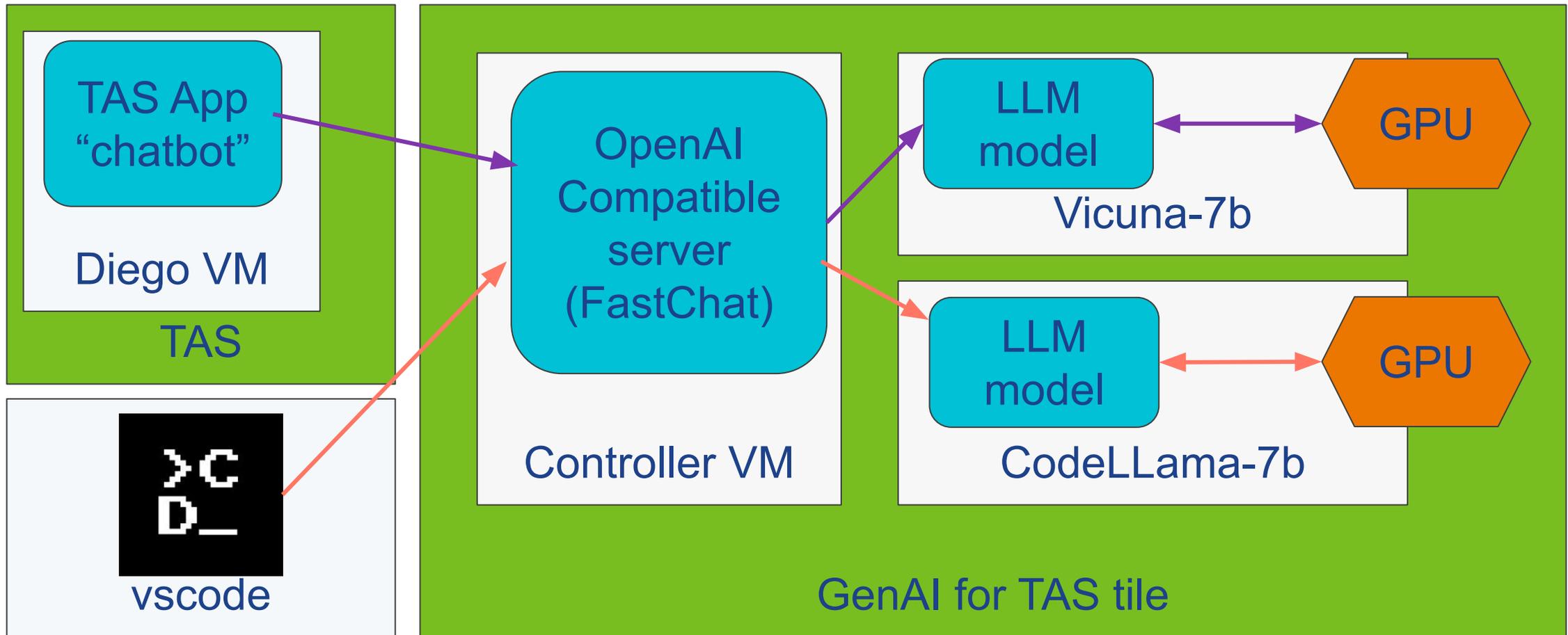
Configuration          Startup Time (seconds)  (MB) Used  (MB) Savings
-----
Spring Boot 2.6 with Java 8  1.493                360.7      -
Spring Boot 3.2 with Java 21  1.111                216.8      40.00%
Spring Boot 3.2 with AOT, native 0.061                83.4       77.00%
-----

juice at home :openrewrite-spring-boot-upgrade-example dashaun$ cd upgrade-example/

Using java version 8.0.392-librca in this shell.
juice at home :upgrade-example dashaun$ ./mvnw dependency:tree -Dscope=runtime | grep -E '(org.springframework|io.micrometer)' > spring-dependencies.txt
juice at home :upgrade-example dashaun$
```



# The platform team should manage (new) capabilities that require strong governance and security



# Find the Developer Toil, Confusion, Blockers

- What are we making?
- We have a strong vision for our product, and we're doing important work together every day to fulfill that vision.
- I have the context I need to confidently make changes while I'm working.
- I am proud of the work I have delivered so far for our product.
- I am learning things that I look forward to applying to future products.
- My workstation seems to disappear out from under me while I'm working.
- It's easy to get my workstation into the state I need to develop our product.
- What aspect of our workstation setup is painful?
- It's easy to run our software on my workstation while I'm developing it.
- I can boot our software up into the state I need with minimal effort.
- What aspect of running our software locally is painful? What could we do to make it less painful?
- It's easy to run our test suites and to author new ones.
- Tests are a stable, reliable, seamless part of my workflow.
- Test failures give me the feedback I need on the code I am writing.
- What aspect of production support is painful?
- We collaborate well with the teams whose software we integrate with.
- When necessary, it is within my power to request timely changes from other teams.
- I have the resources I need to test and code confidently against other teams' integration points.
- What aspect of integrating with other teams is painful?
- I'm rarely impacted by breaking changes from other tracks of work.
- We almost always catch broken tests and code before they're merged in.
- What aspect of committing changes is painful?
- Our release process (CI/CD) from source control to our story acceptance environment is fully automated.
- If the release process (CI/CD) fails, I'm confident something is truly wrong, and I know I'll be able to track down the problem.
- What aspect of our release process (CI/CD) is painful?
- Our team releases new versions of our software as often as the business needs us to.
- We are meeting our service-level agreements with a minimum of unplanned work.
- When something is wrong in production, we reproduce and solve the problem in a lower environment.

# Thanks!

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