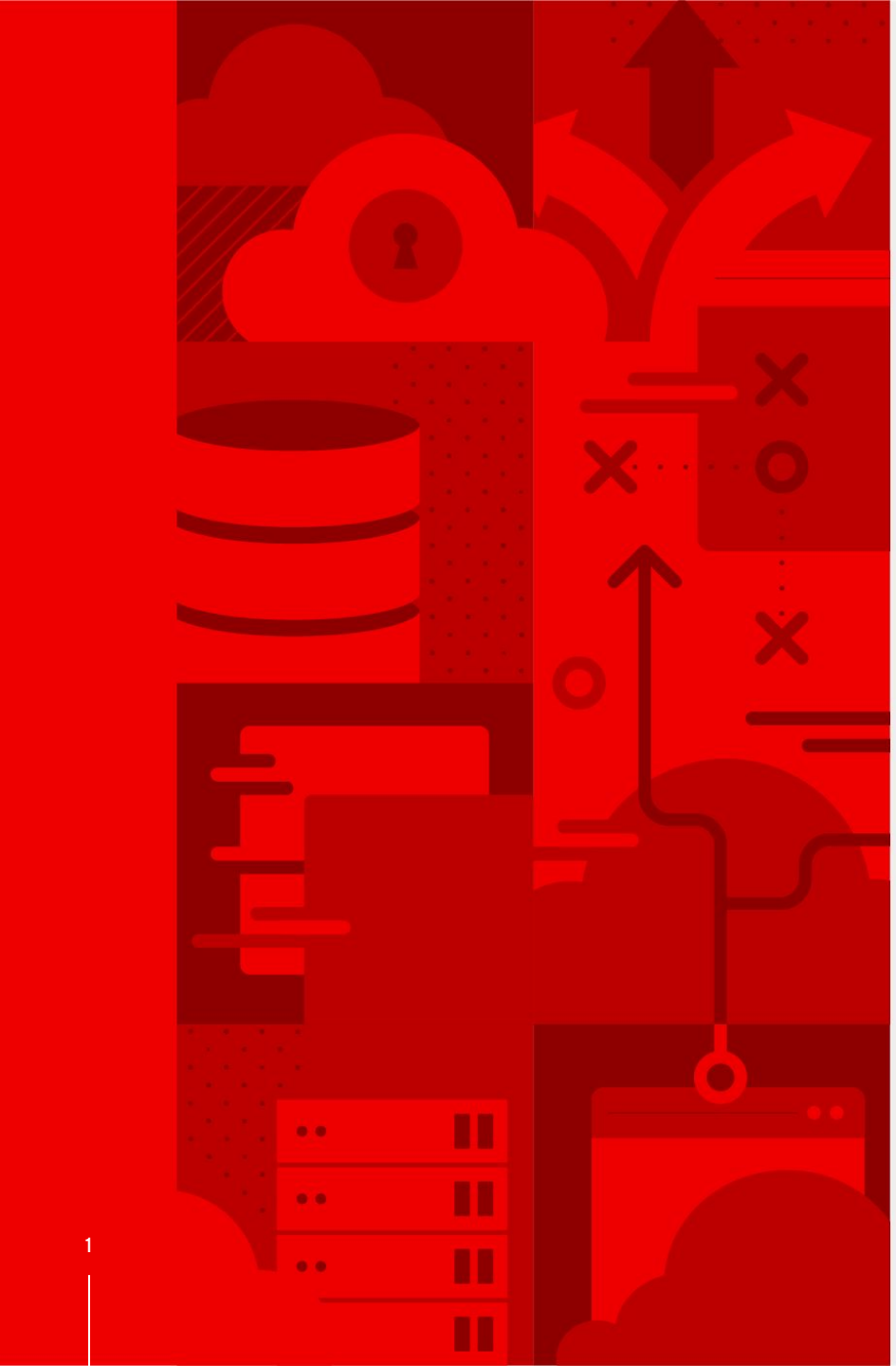
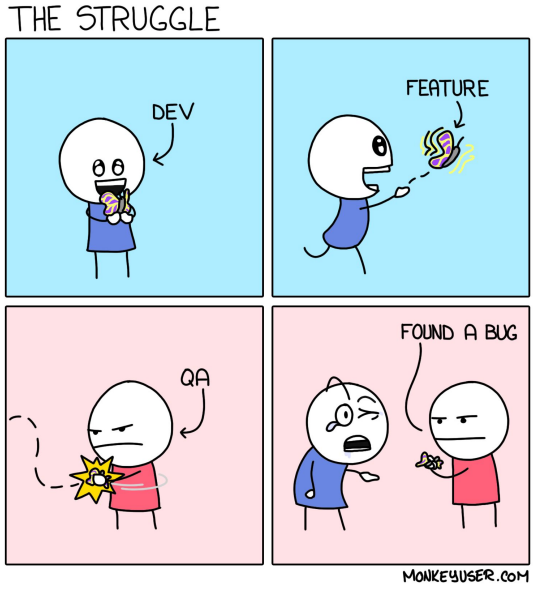


Telemetria de Microsserviços com Service Mesh ou a inesperada jornada da observabilidade

Guilherme Baufaker Rêgo
Senior Quality Engineer

Red Hat

Um pouco sobre mim



Edit status

Guilherme Baufaker Rêgo
gbaufake

Edit profile

Brazilian Software Engineer working at **@RedHatOfficial** on **@kiali**, **@istio**, **@maistra** and **@openshift**

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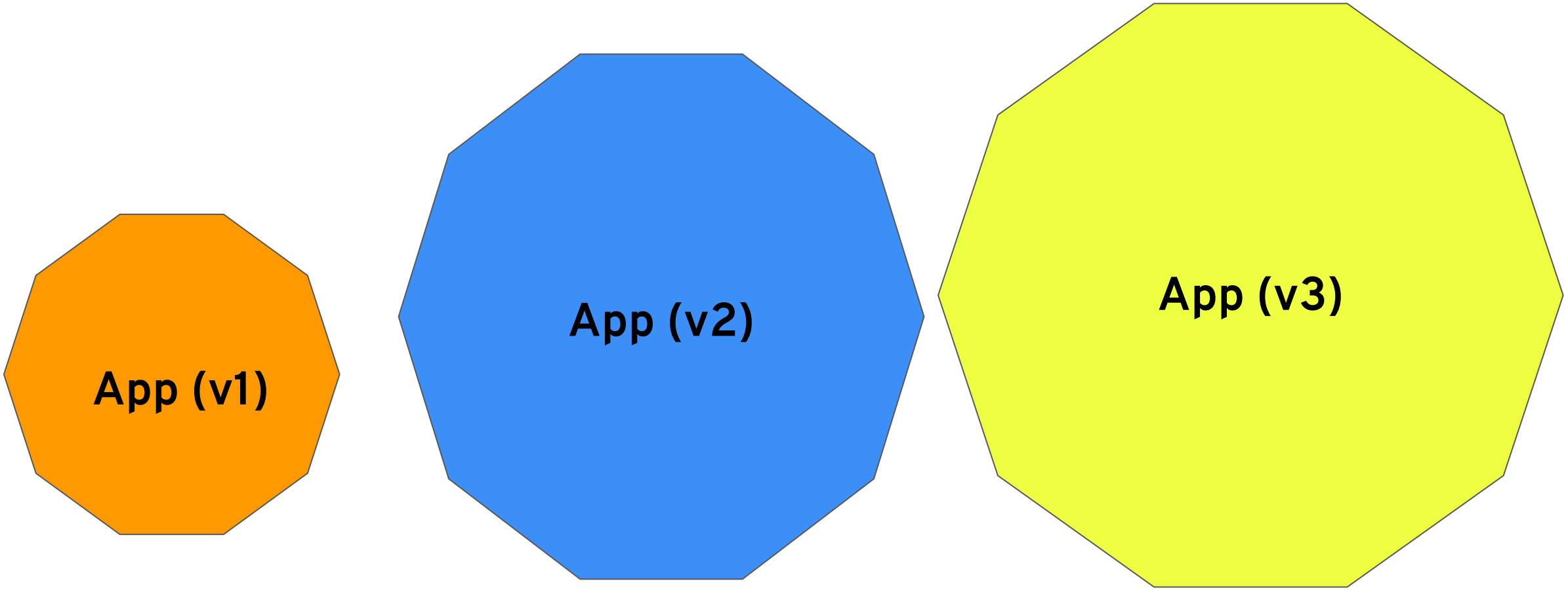
Brasilia - Brazil
baufaker@redhat.com

Organizations

Red Hat

Uma breve história das aplicações

Primeiro Estágio do Desenvolvimento de Software (Monólito)



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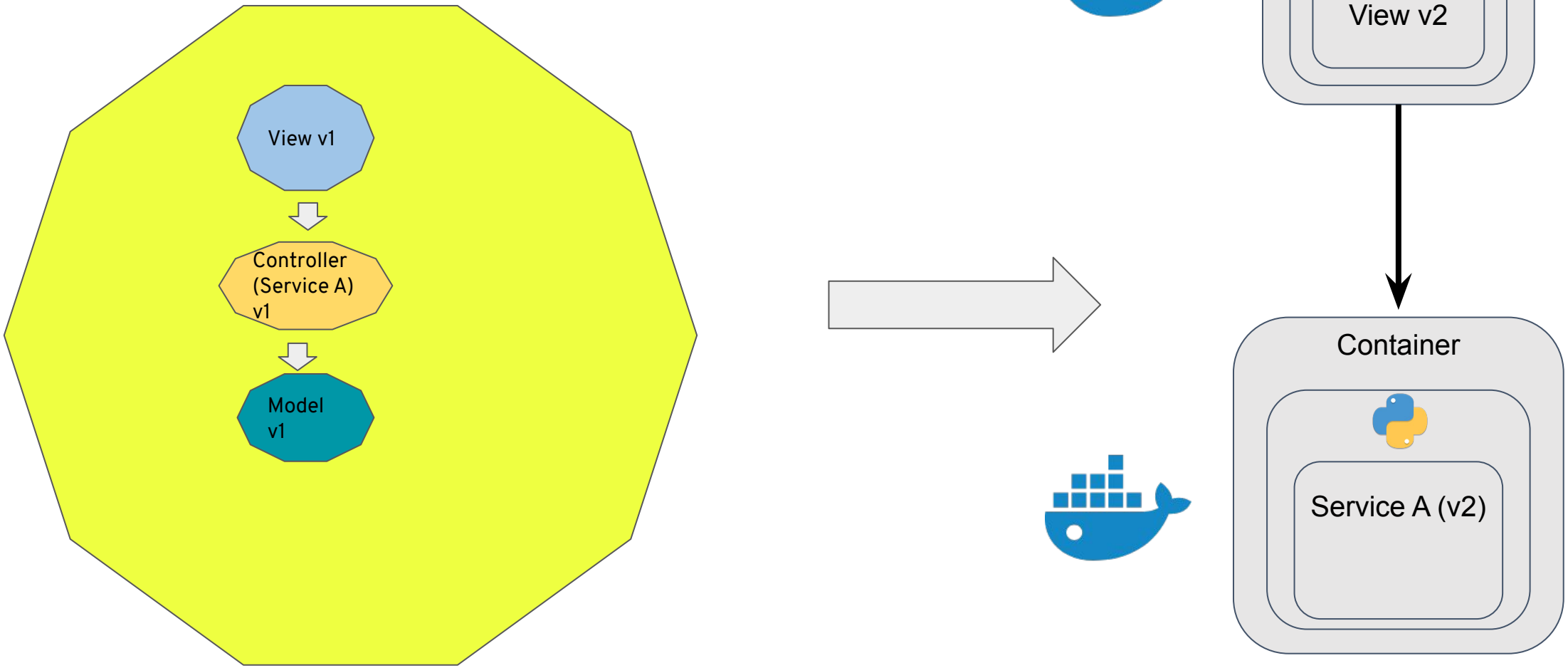
Segundo Estágio (MVC)



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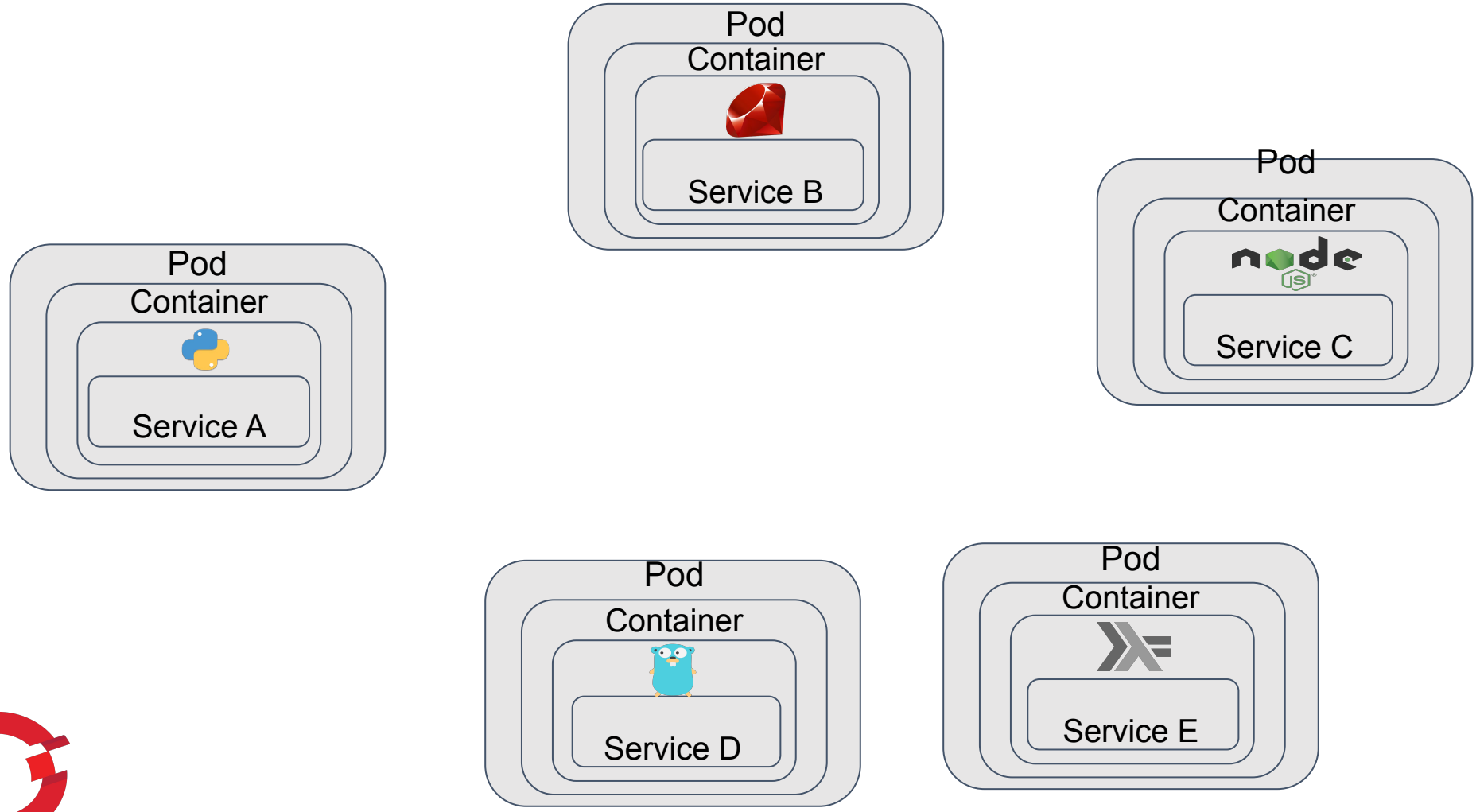
Terceiro Estágio (Microsserviços)



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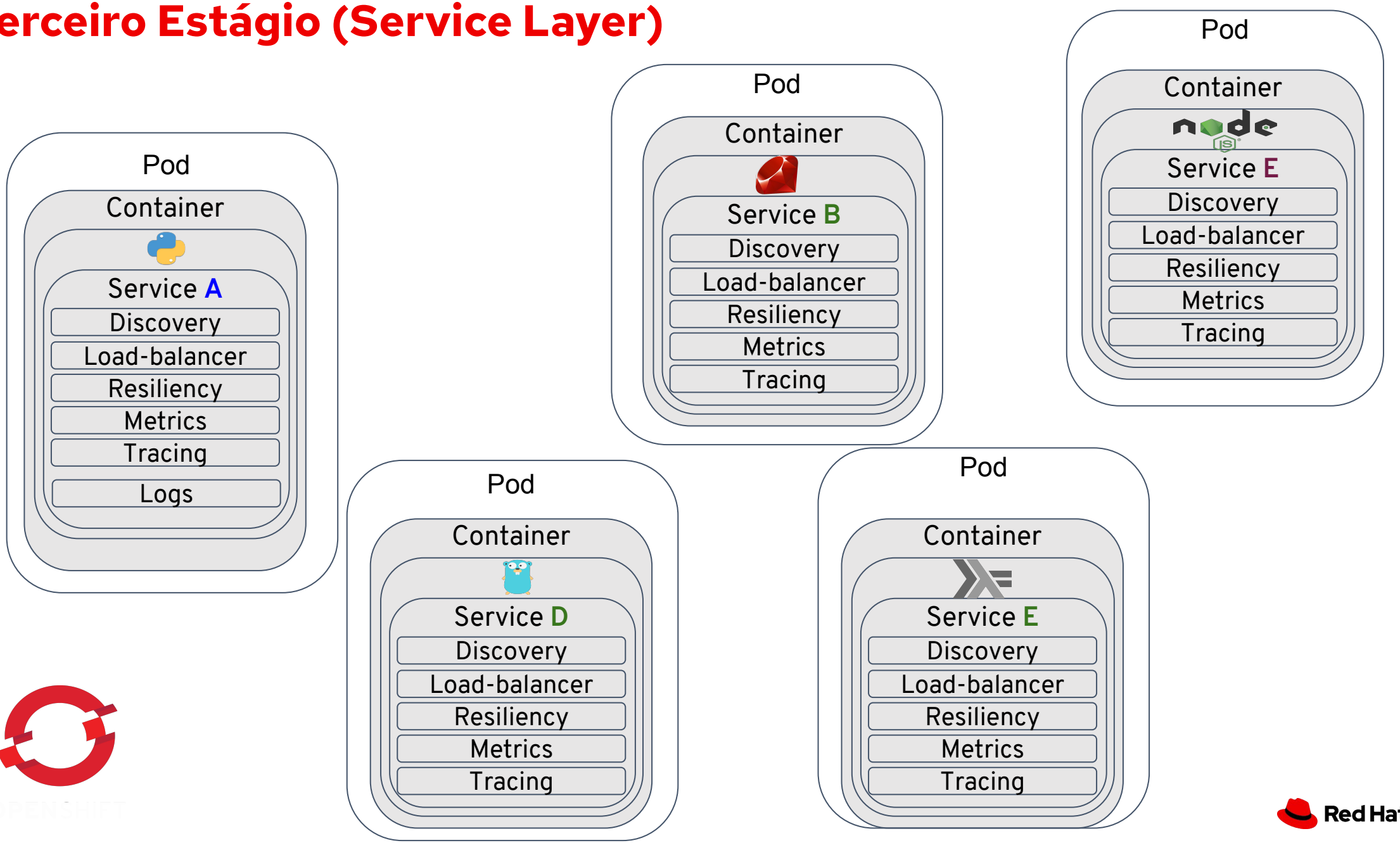
Terceiro Estágio (Service Layer)



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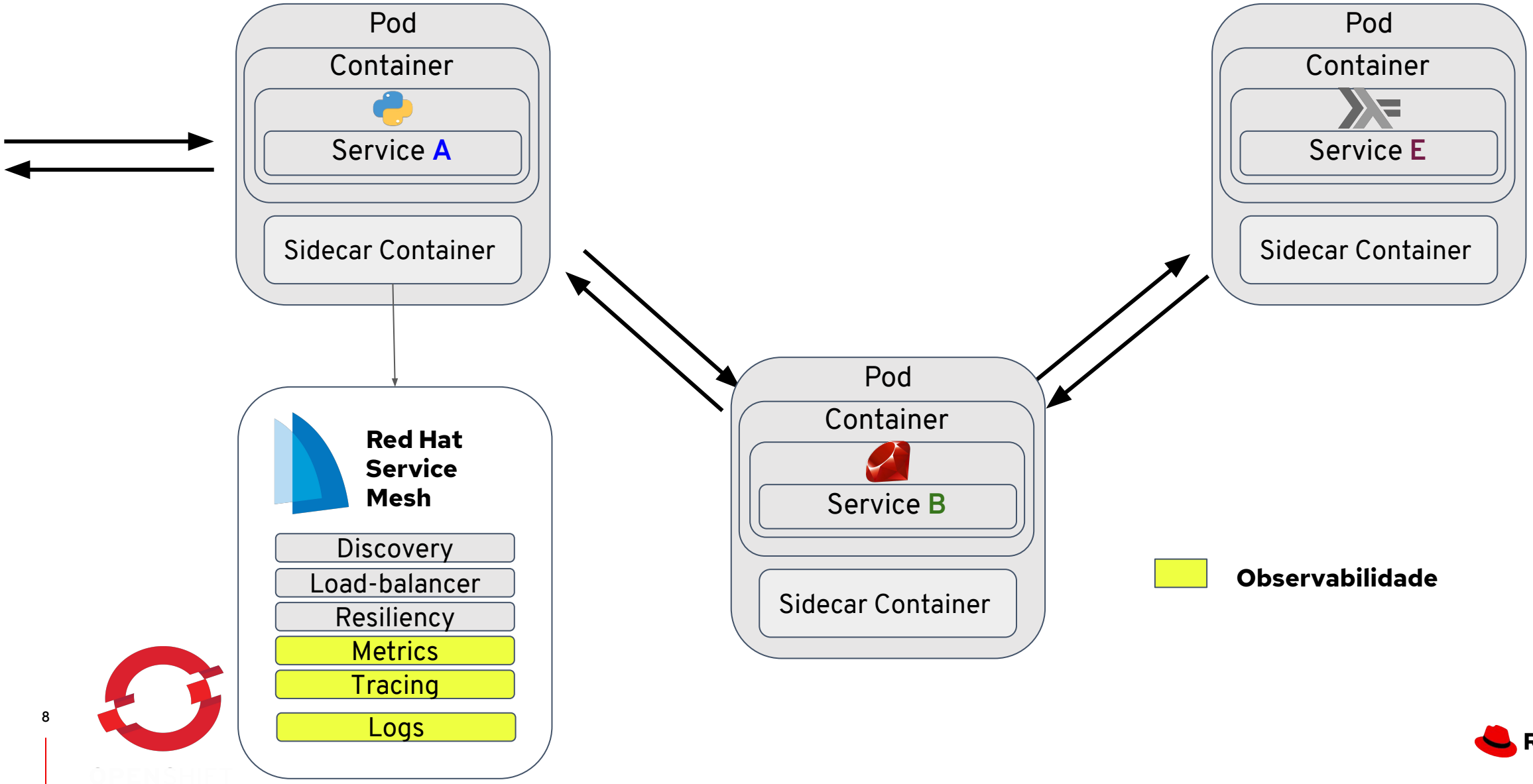
Quarto Estágio (Service Mesh)



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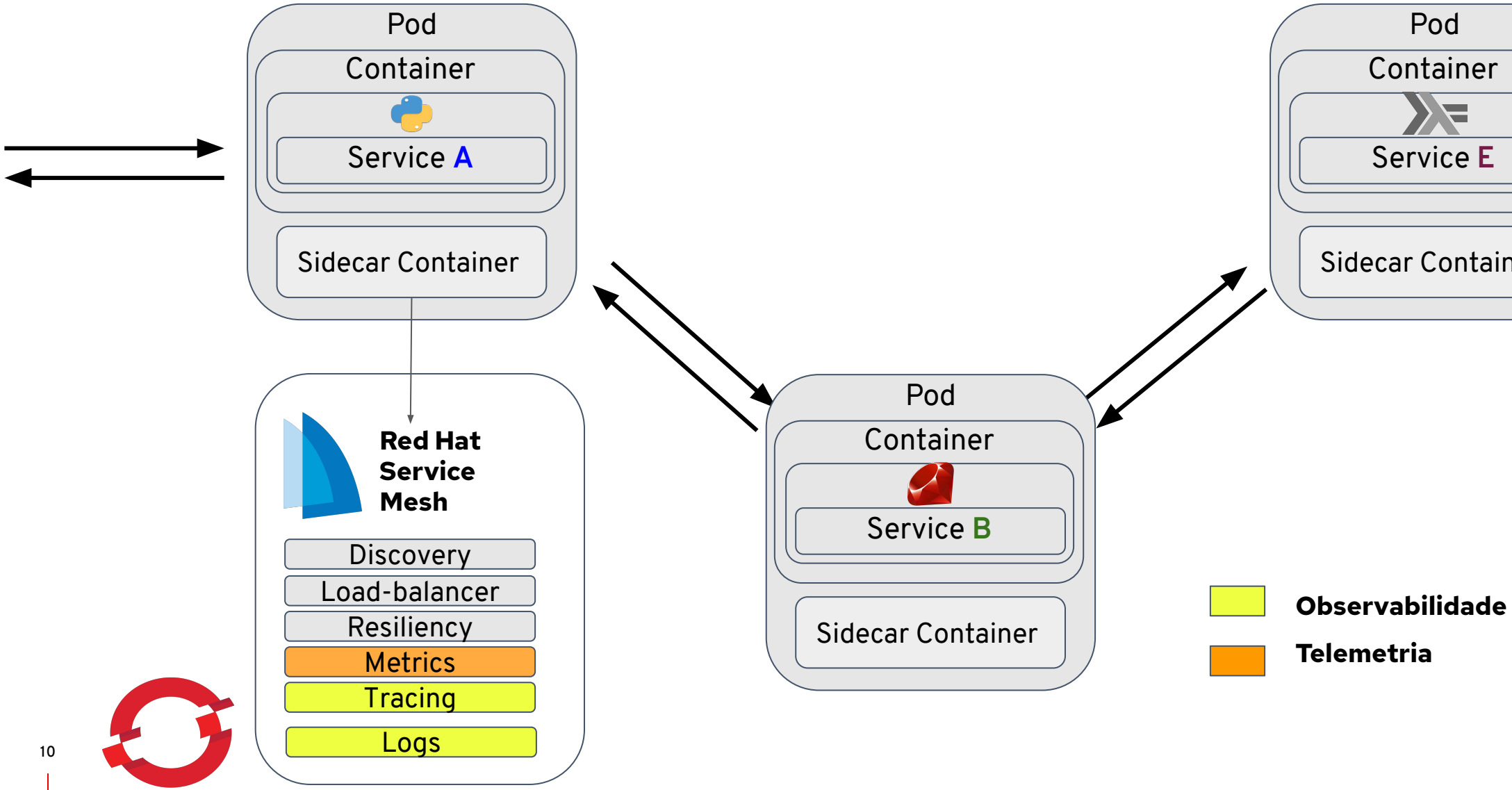
Por onde começar em observabilidade de Service Mesh?



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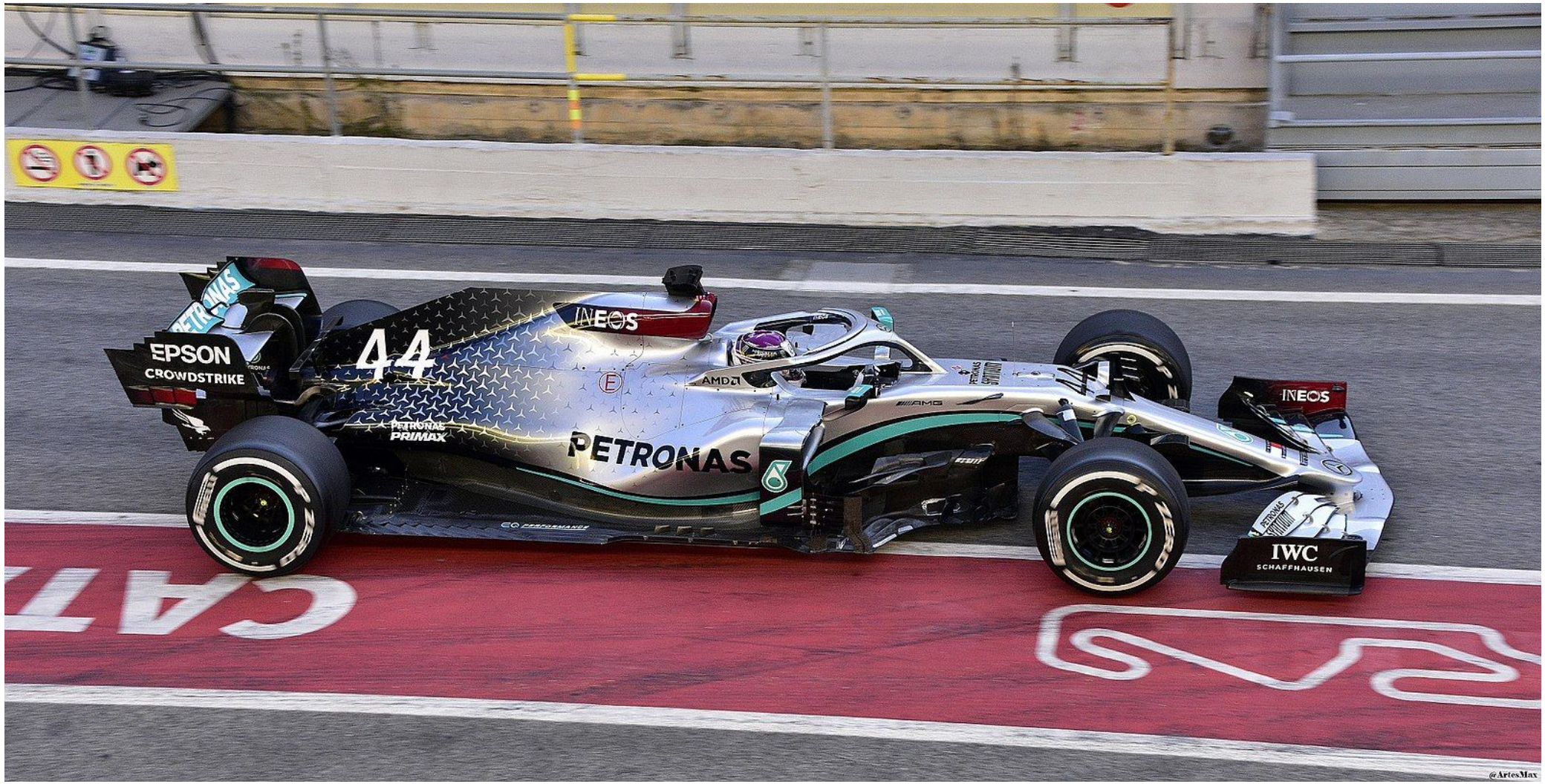
Sistema Complexo monitorado por Telemetria



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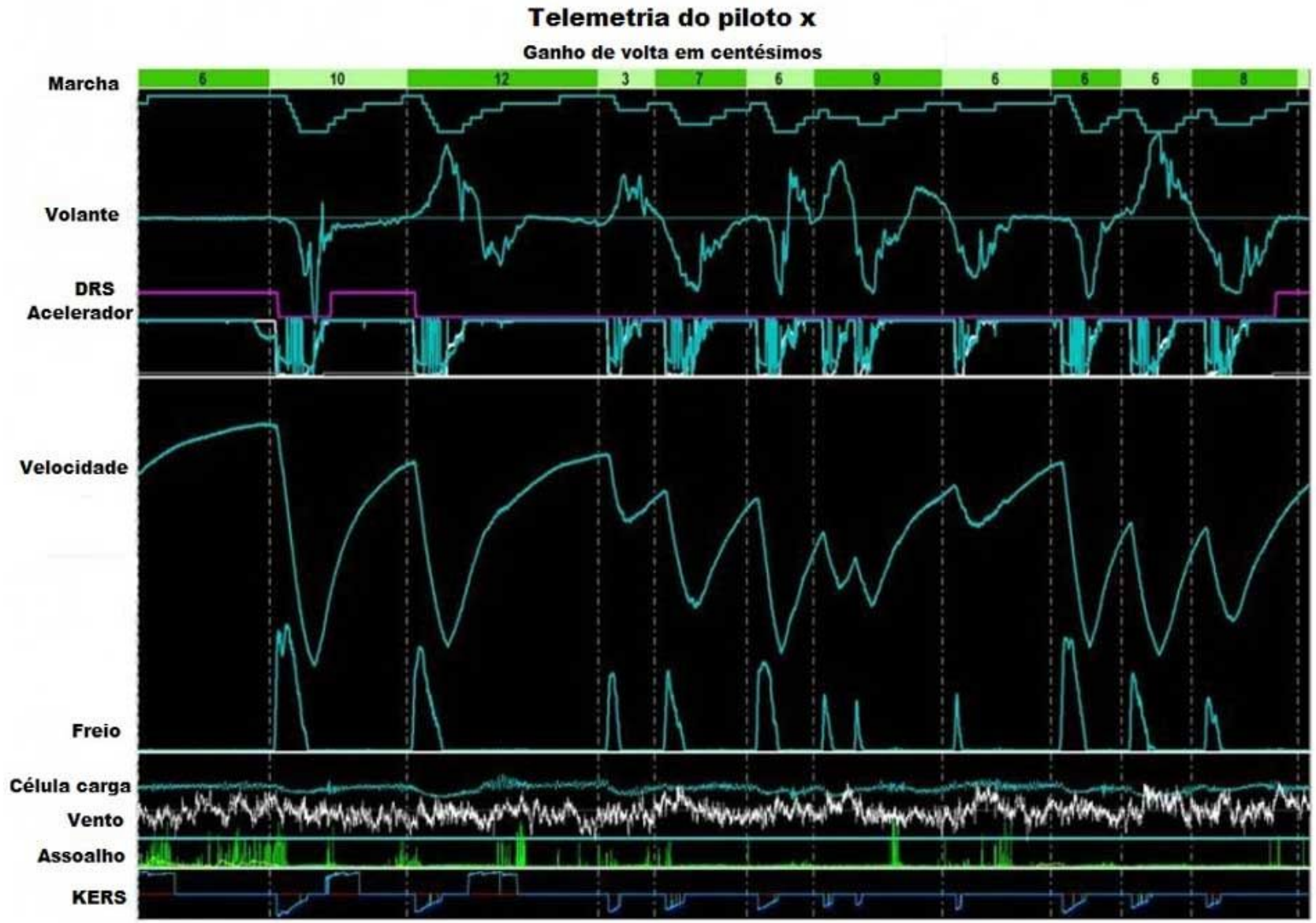
Telemetria de um carro de F1



Fonte da Foto: https://www.autoracing.com.br/f1-veja-a-telemetria-real-da-ferrari-na-hungria/

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O Poder da Telemetria

Link do Video: https://youtu.be/uBKbxZktw34

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SRE da F1 (Pit Wall)

Fonte da Foto: https://www.sportskeeda.com/f1/formula-1-technical-importance-of-a-f1-pit-wall

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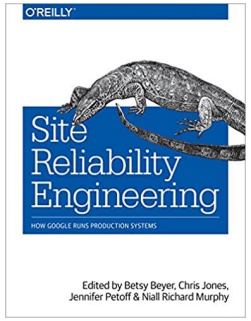
Quatro *Golden Signals* da Telemetria



Latência (Latency)

"The time it takes to service a request."

"It's important to distinguish between the latency of successful requests and the latency of failed requests."

Tráfego (Traffic)

"A measure of how much demand is being placed on your system, measured in a high-level system-specific metric."

"For an audio streaming system, this measurement might focus on network I/O rate or concurrent sessions".

Erros (HTTP Error Codes)

"The rate of requests that fail, either explicitly (e.g., HTTP 500s), implicitly (for example, an HTTP 200 success response, but coupled with the wrong content), or by policy".

Saturação (Saturation)

"A measure of your system fraction, emphasizing the resources that are most constrained"

Fonte: Murphy, Niall Richard. Site Reliability Engineering . O'Reilly, Chapter 6 - Monitoring Distributed Systems - Four Signals

Demonstração