Supporting Concurrency

Kevin Dockx
Architect

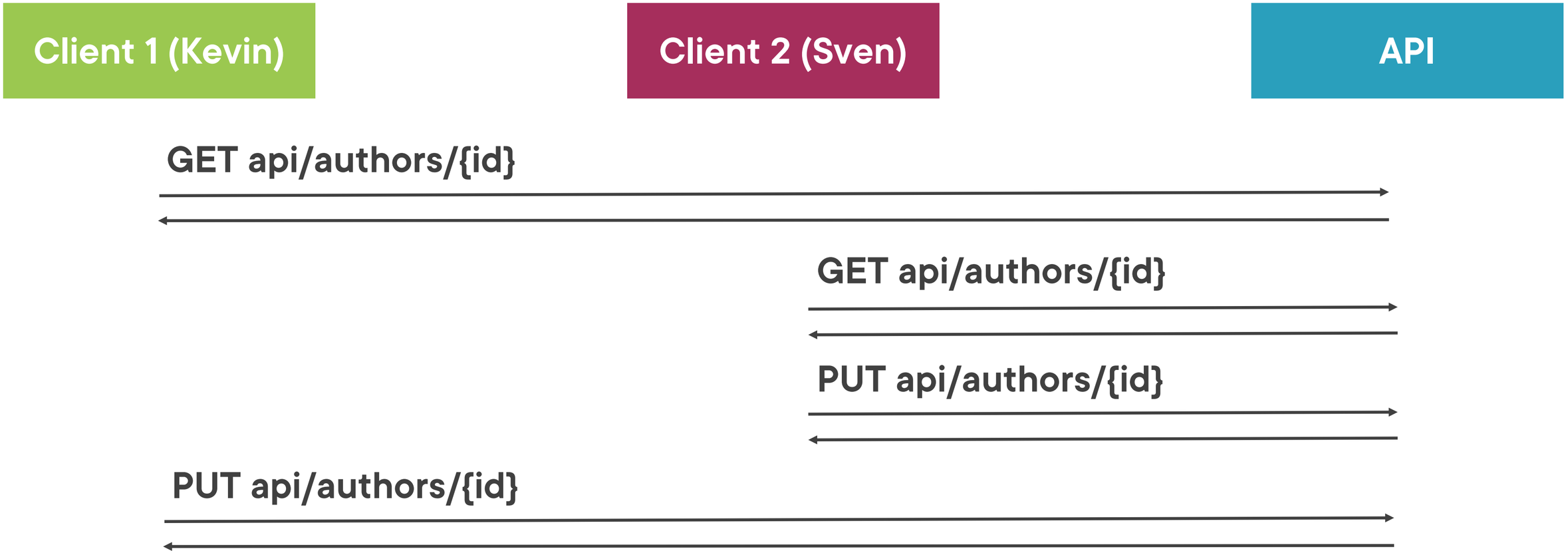
@KevinDockx https://www.kevindockx.com

Coming Up

Supporting concurrency in a RESTful world

Using ETags to support concurrency

Supporting Concurrency in a RESTful World



Concurrency Strategies

Pessimistic concurrency

Resource is locked

While it's locked, it cannot be modified by another client

This is not possible in REST

Optimistic concurrency

Token is returned together with the resource

The update can happen as long as the token is still valid

ETags are used as validation tokens

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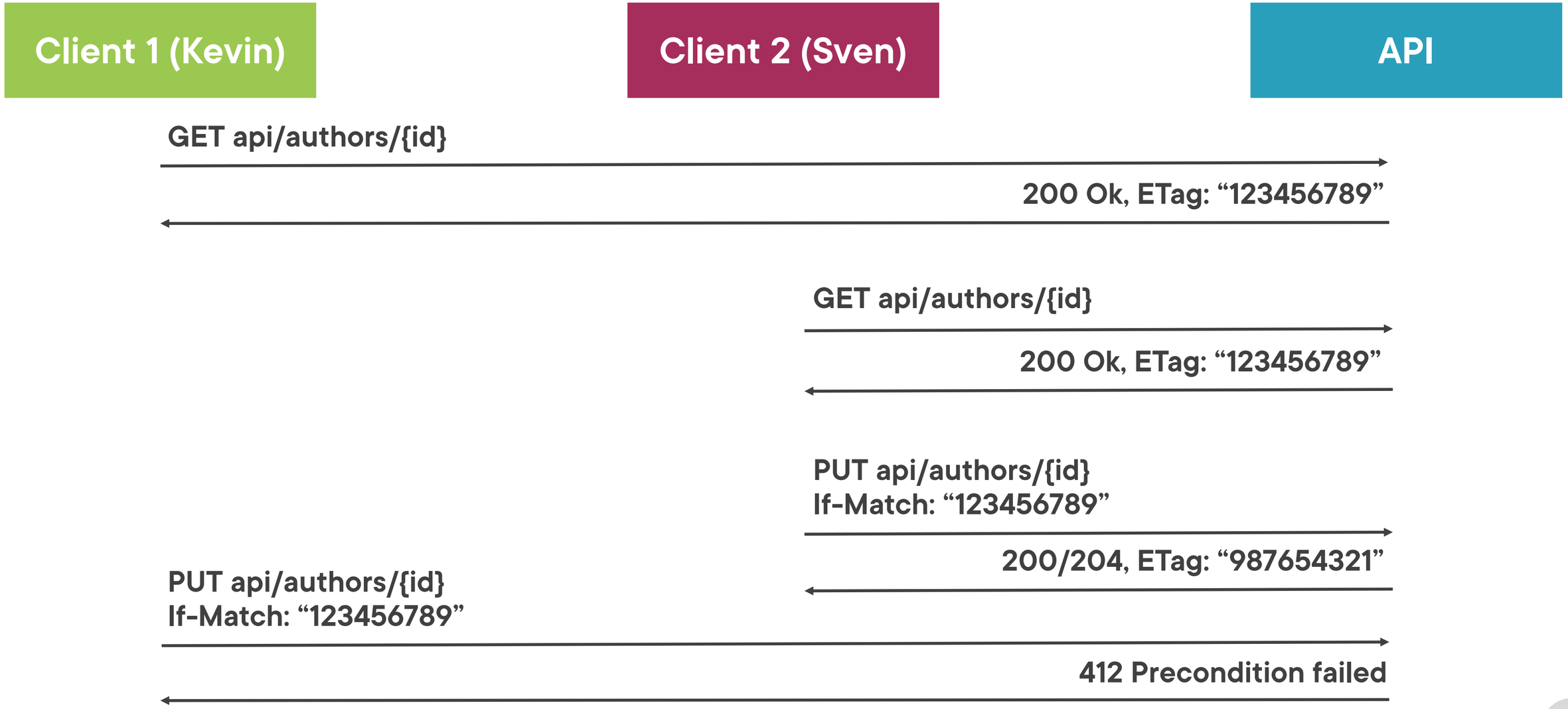

Demo

Supporting concurrency

Summary

Use ETags as tokens/validators for an optimistic concurrency strategy

- Send as `If-Match` header value
- On mismatch, `412 Precondition Failed` will be returned

The End is Nigh...

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