

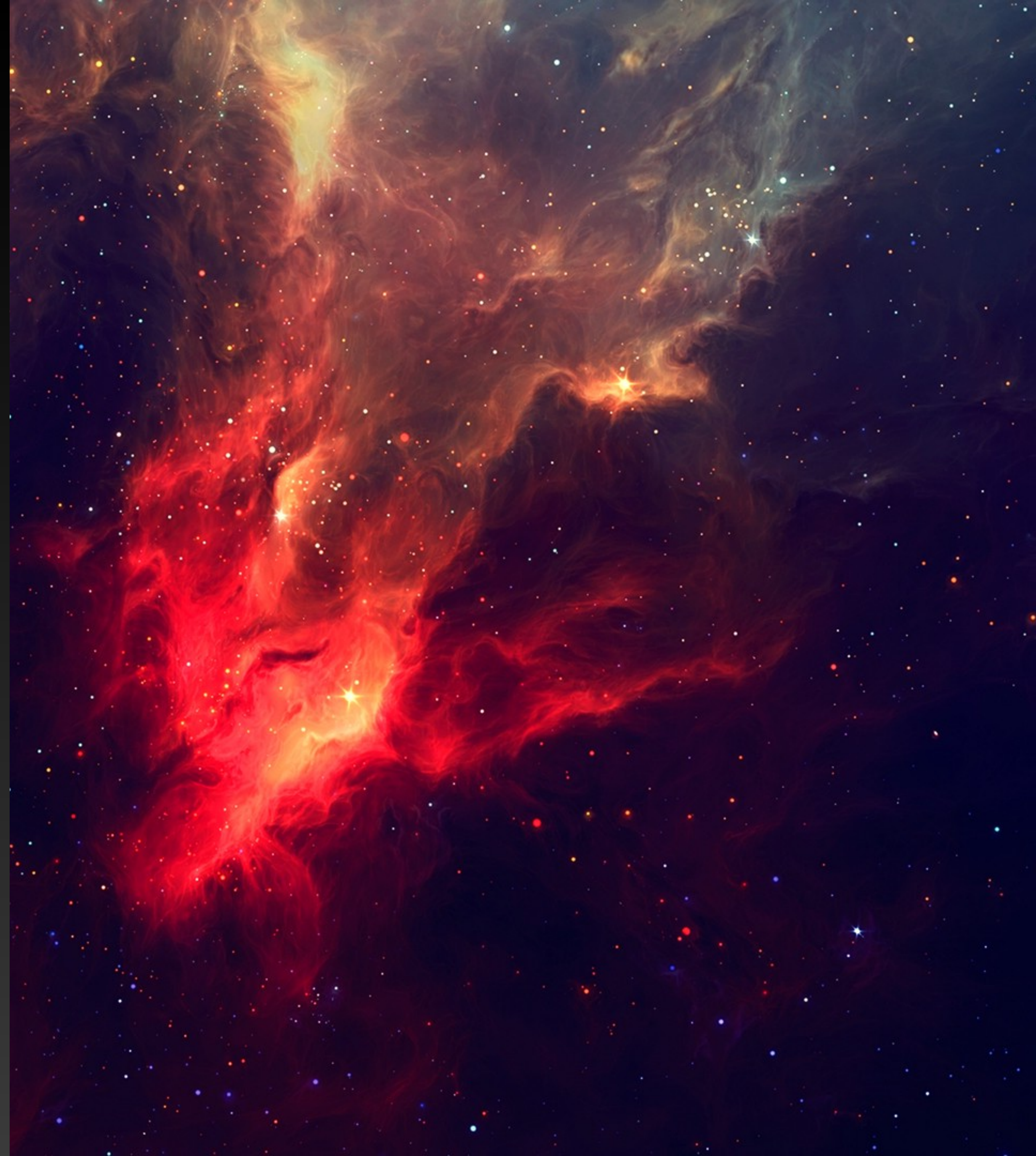
Intro to Apollo Federation:

a micro-services approach to GraphQL

By Paul Hendrickson

Agenda

- Keynote presentation
 - What is GraphQL?
 - What are a microservices?
 - My goal
- Product Demo
 - Phase 1: a GraphQL API
 - Phase 2: a series of GraphQL services.
 - Phase 3: a federated GraphQL API
- Q & A



What is GraphQL?

“GraphQL is a query language for APIs and a runtime for fulfilling those queries with your existing data.”

- GraphQL.org

My dumbed down definition (for my own brain):

A way in which a front end app can talk to a back end app to request data. Kind of like REST. But it's got some SICK added features (and a few drawbacks).

What are Microservices?

[Microservices] are an architectural style that structures an application as a collection of services that are: highly maintainable and testable, loosely coupled, independently deployable, organized around business capabilities, owned by a small team.

- microservices.io

My dumbed down definition (for my own brain):

Splitting a data delivery layer into small manageable pieces that CAN work together but don't rely on each other.

My goal

Create a series of GraphQL services that work with one another to deliver several datasets that can be managed independently.