

Pod

React App Dev
Server

Pod

Posts

Pod

Comments

Pod

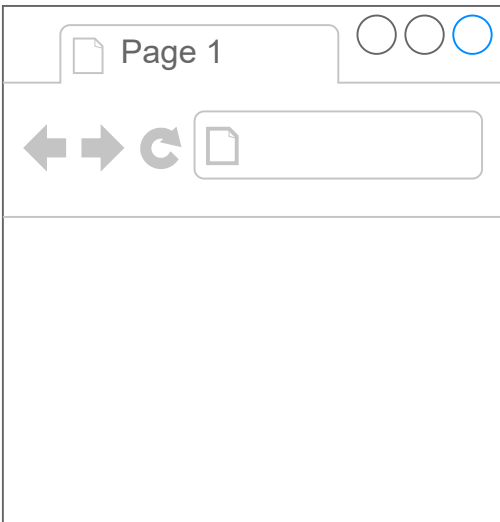
Query

Pod

Moderation

Pod

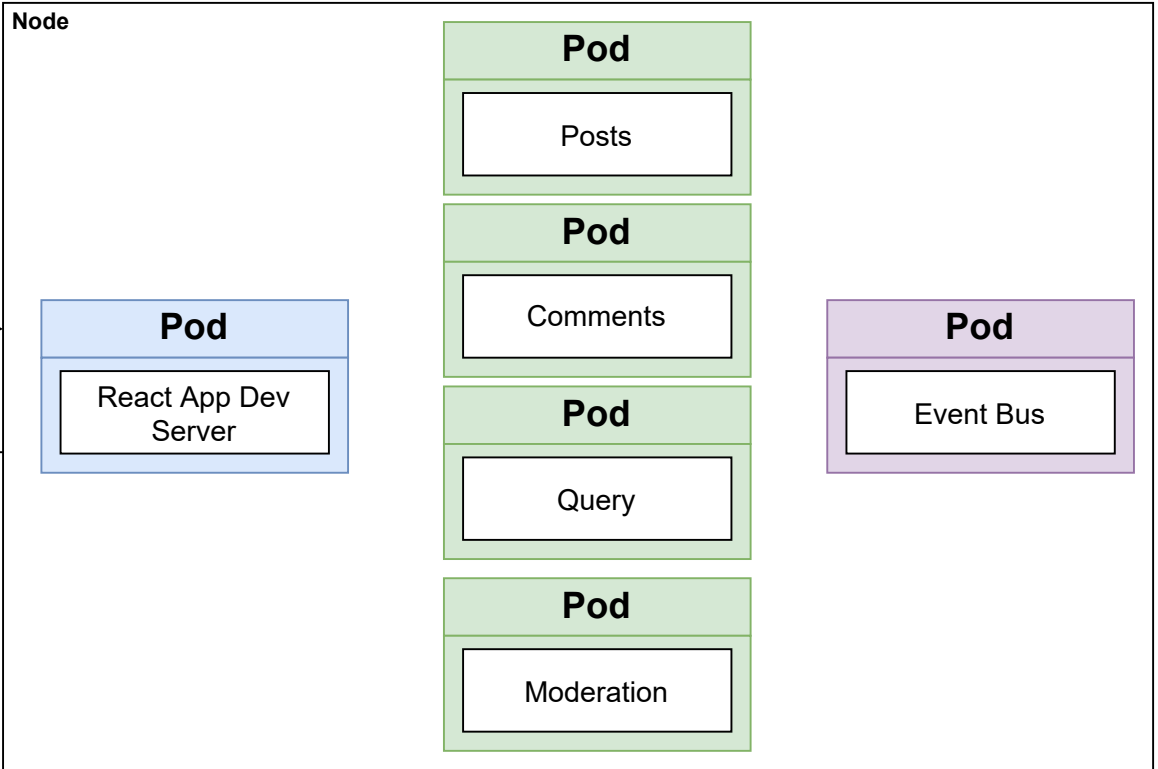
Event Bus

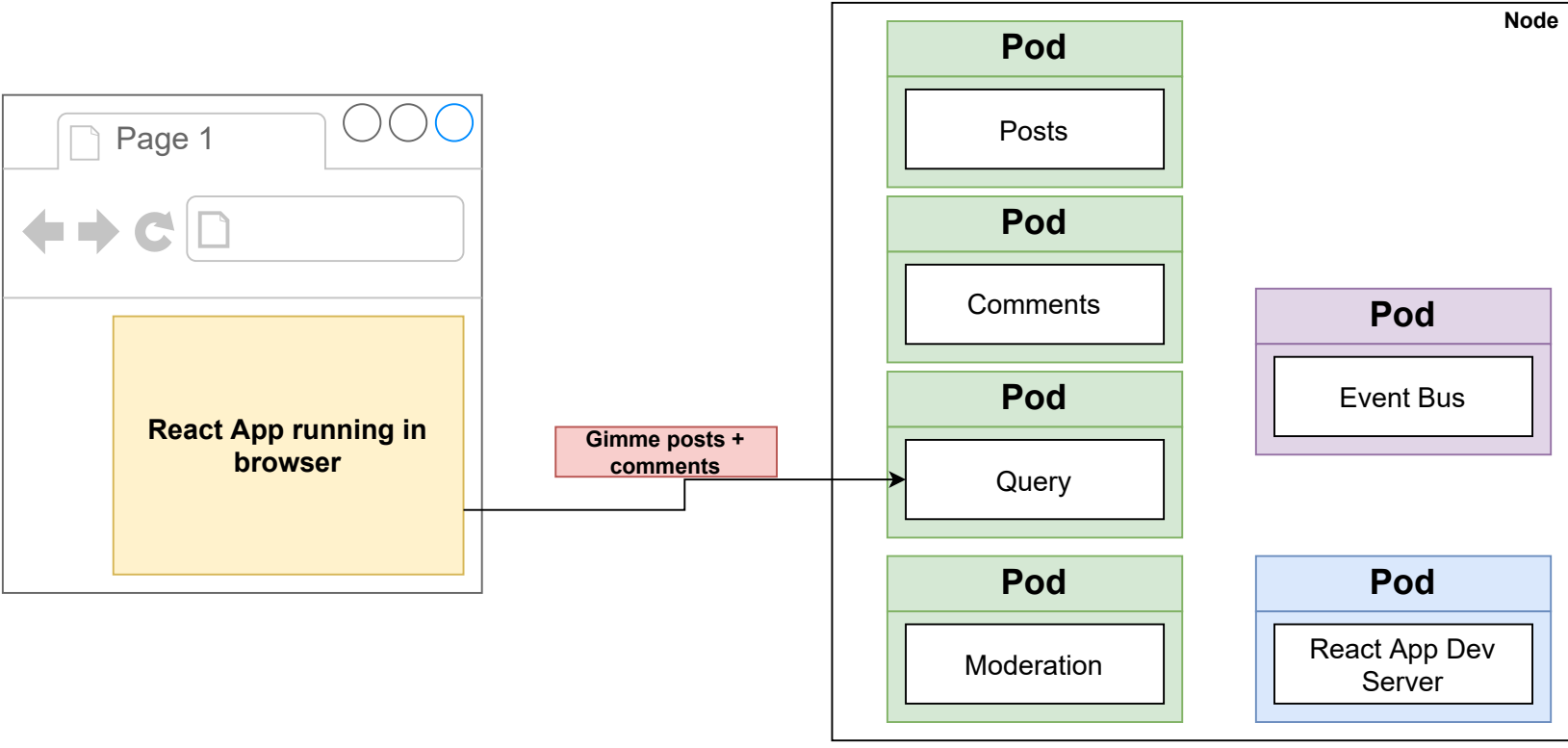


Navigate to app

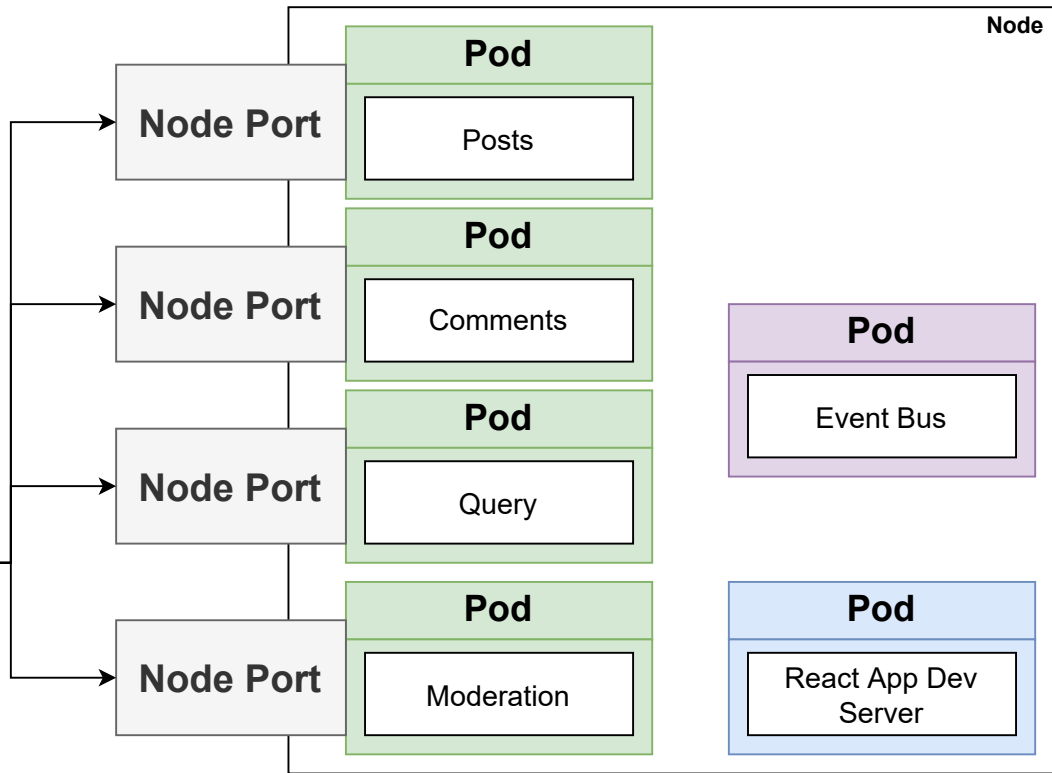
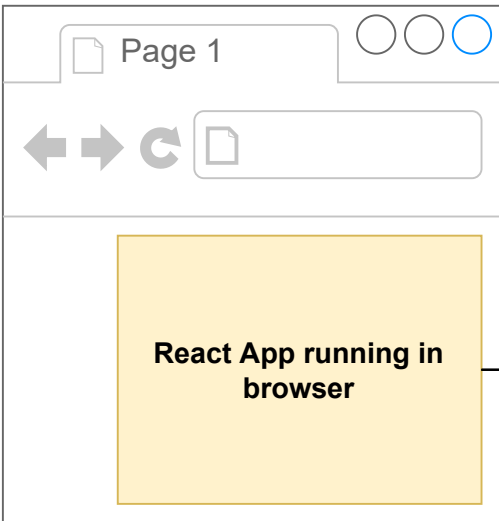


React Apps HTML + JS + CSS



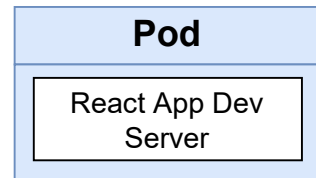
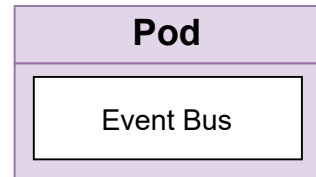
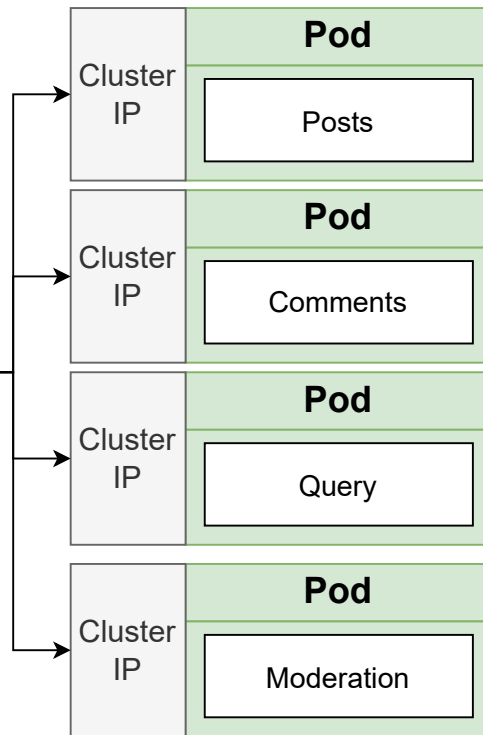
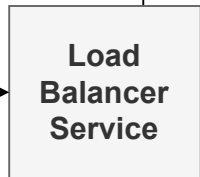
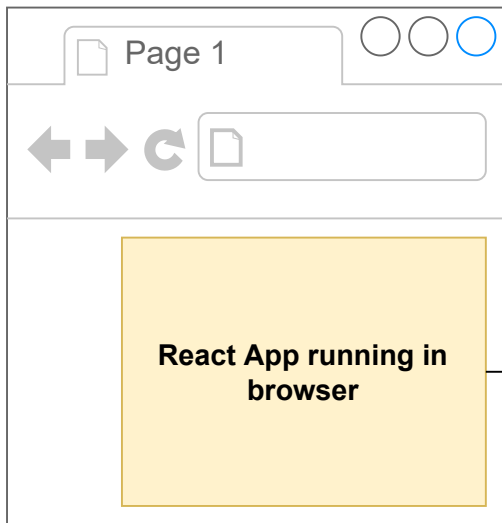


Option #1 - Probably not good



Option #2 - Probably Good!

Node

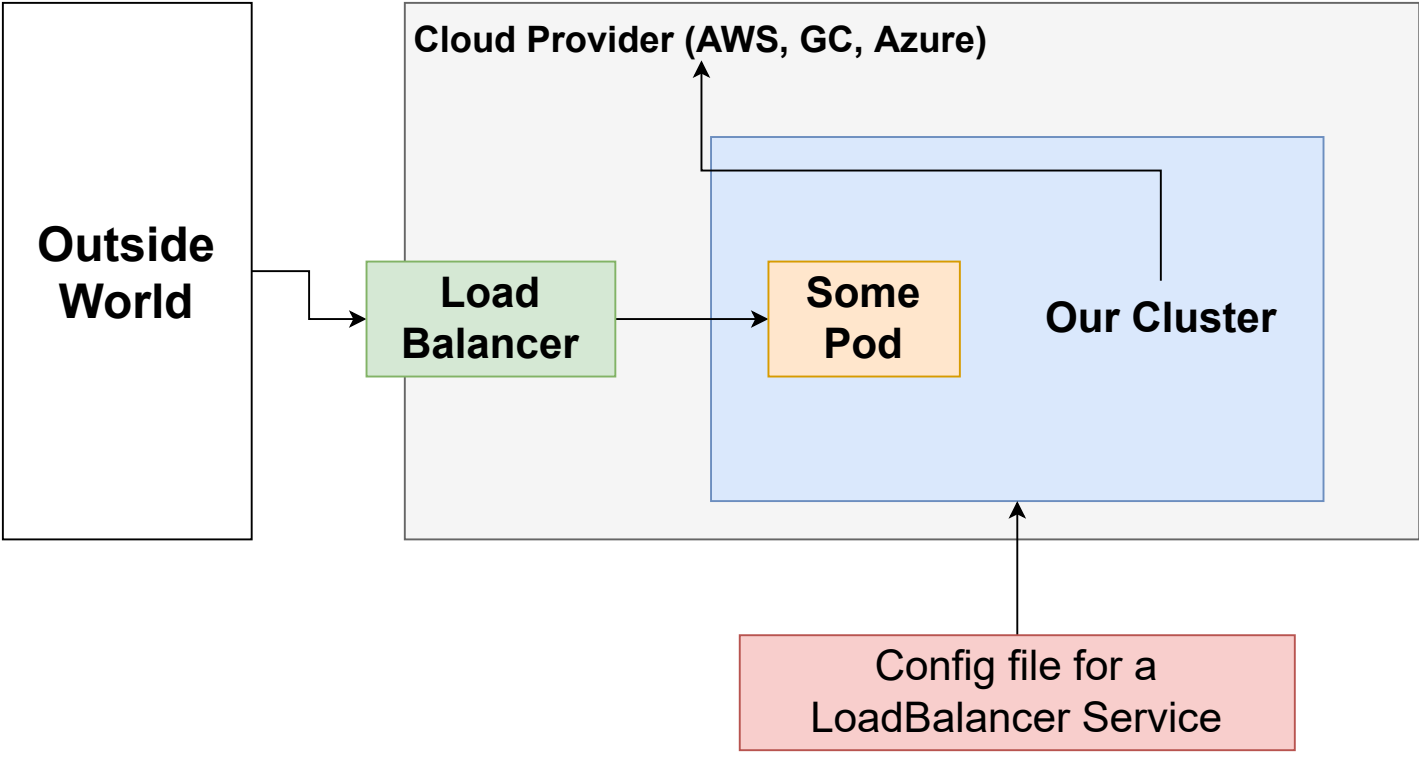


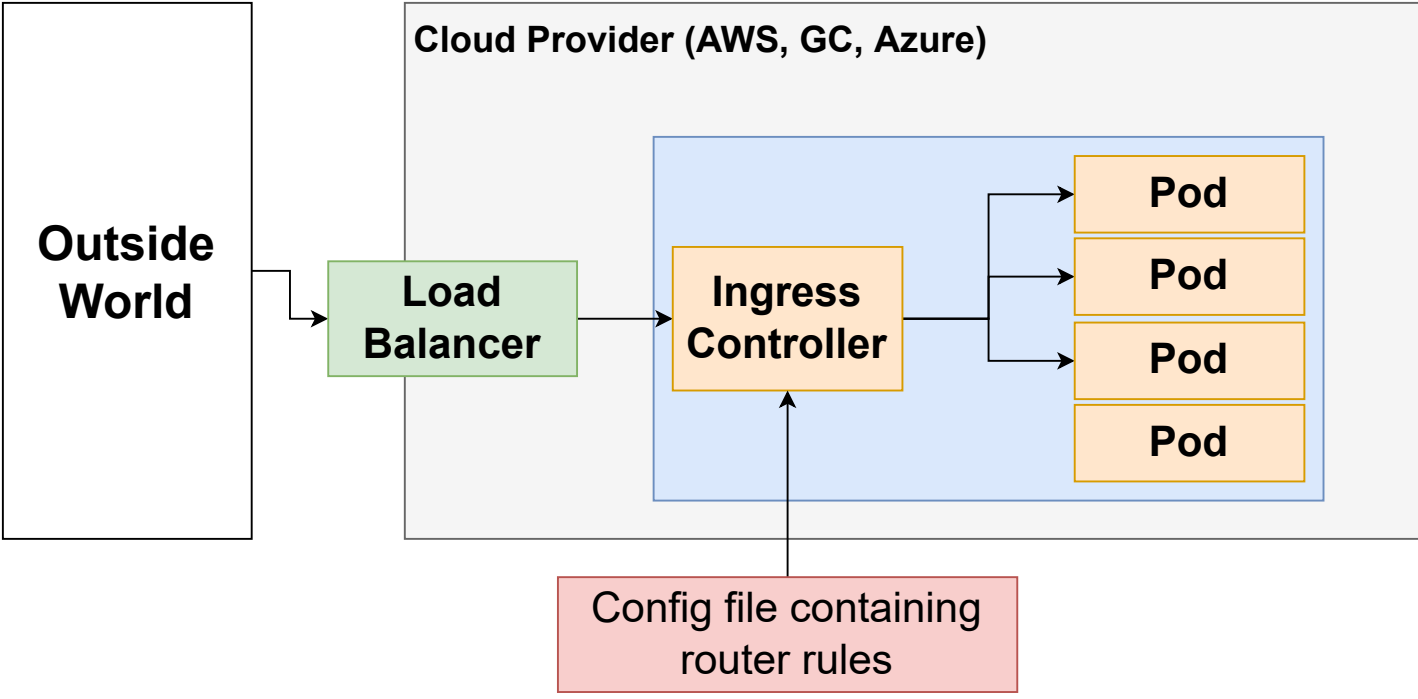
Load Balancer Service

Tells Kubernetes to reach out to its provider and provision a load balancer. Gets traffic in to a *single pod*

Ingress or Ingress Controller

A pod with a set of routing rules to distribute traffic to other services





ingress-nginx

*Project that will create a Load
Balancer Service + an Ingress
for us*

We are using

ingress-nginx

**There is another project that
does *the same thing* with an
almost *identical name***

kubernetes-ingress

my-app.com

post-tracker.com

blog-app.com

**Kubernetes
Cluster**

```
graph LR; A[my-app.com] --- B[ ]; B --- C[Kubernetes Cluster]; D[post-tracker.com] --- B; E[blog-app.com] --- B;
```

The diagram illustrates a network architecture where three separate domains are connected to a single central component. On the left, three light gray rectangular boxes are stacked vertically, containing the domain names 'my-app.com', 'post-tracker.com', and 'blog-app.com'. A vertical line connects the right side of these three boxes. A horizontal arrow points from this vertical line to a large, light blue rectangular box on the right. This blue box contains the text 'Kubernetes Cluster' in a bold, black, sans-serif font.

Host File Location

Windows



`C:\Windows\System32\Drivers\etc\hosts`

MacOS/Linux



`/etc/hosts`

**Ingress
Controller**

/posts/create

Pod

Posts

/posts/:id/comments

Pod

Comments

/posts

Pod

Query

Pod

Moderation

/

Pod

React

Scaffold

Automates many tasks in a Kubernetes dev environment

Makes it really easy to update code in a *running pod*

Makes it really easy to create/delete all objects tied to a project at once

scaffold.dev