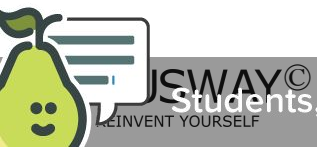




# Storage Classes and Ingress



Students, write your response!

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StorageClass



Ingress

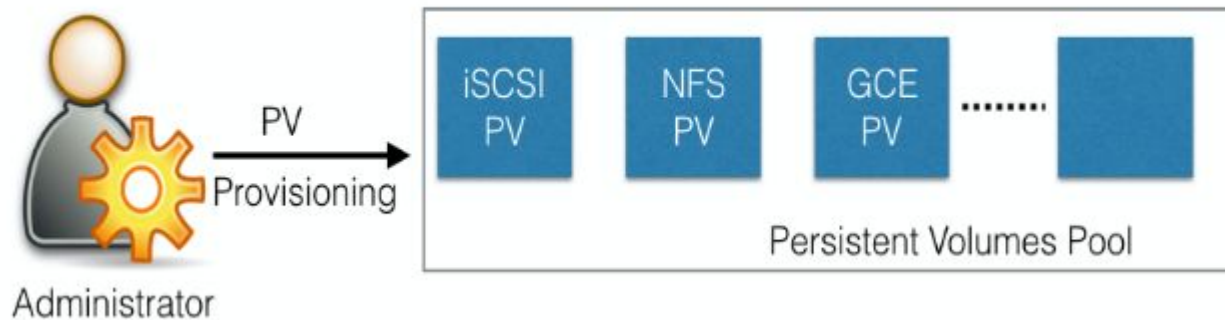


1

# Storage Class

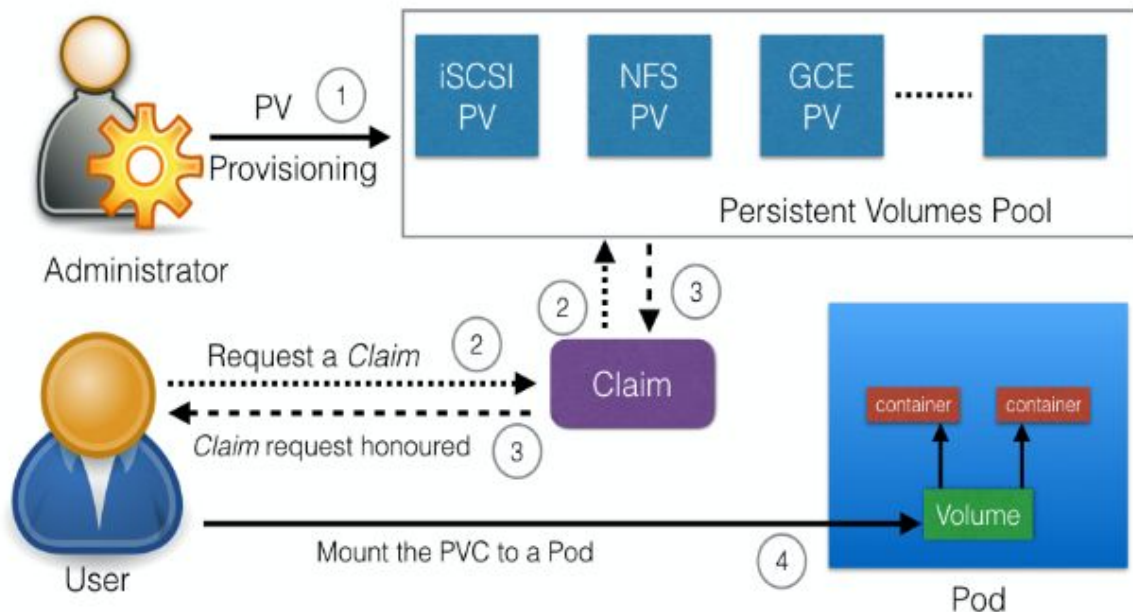


# Storage Class





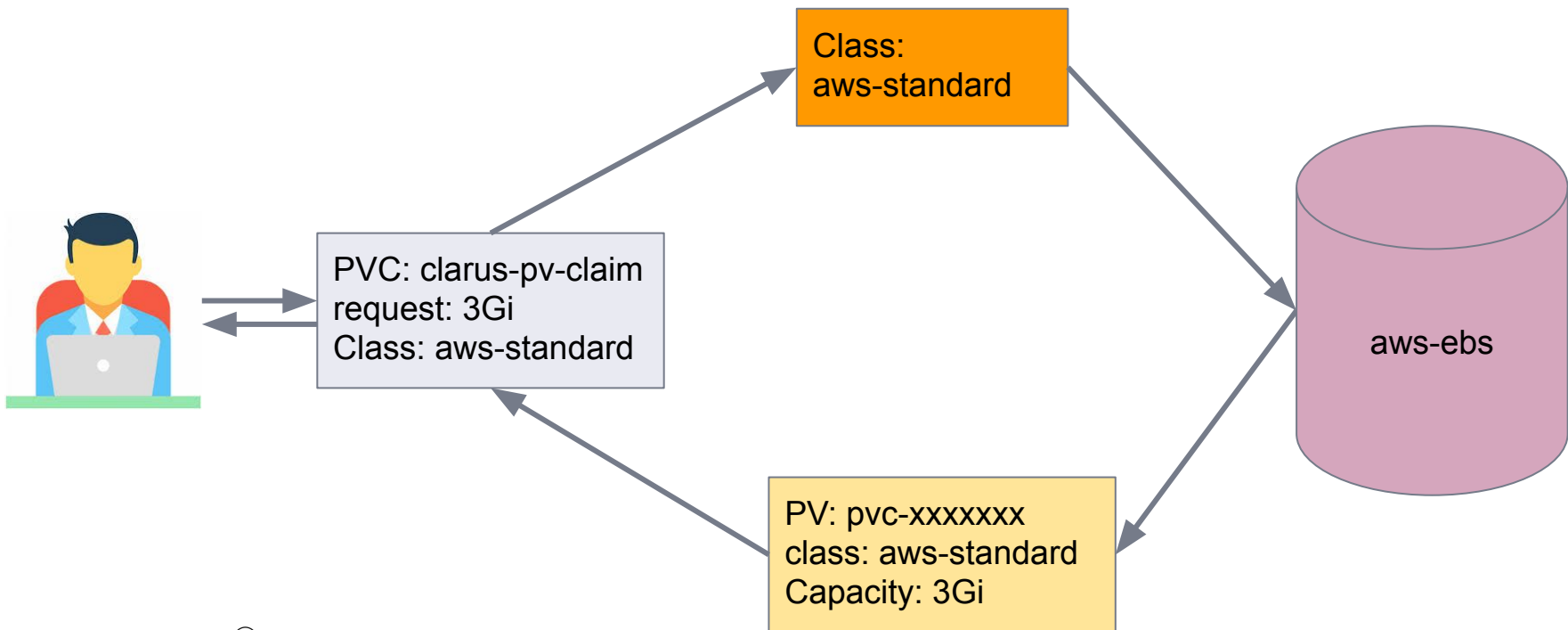
# Storage Class





# Storage Class

A **StorageClass** provides a way for administrators to describe the "classes" of storage they offer.





# Storage Class

```
kind: StorageClass
apiVersion: storage.k8s.io/v1
metadata:
  name: aws-standard
  annotations:
    storageclass.kubernetes.io/is-default-class:
      "true"
provisioner: kubernetes.io/aws-ebs
parameters:
  type: gp2
  fsType: ext4
```

**Provisioner:** Each StorageClass has a provisioner that determines what volume plugin is used for provisioning PVs.

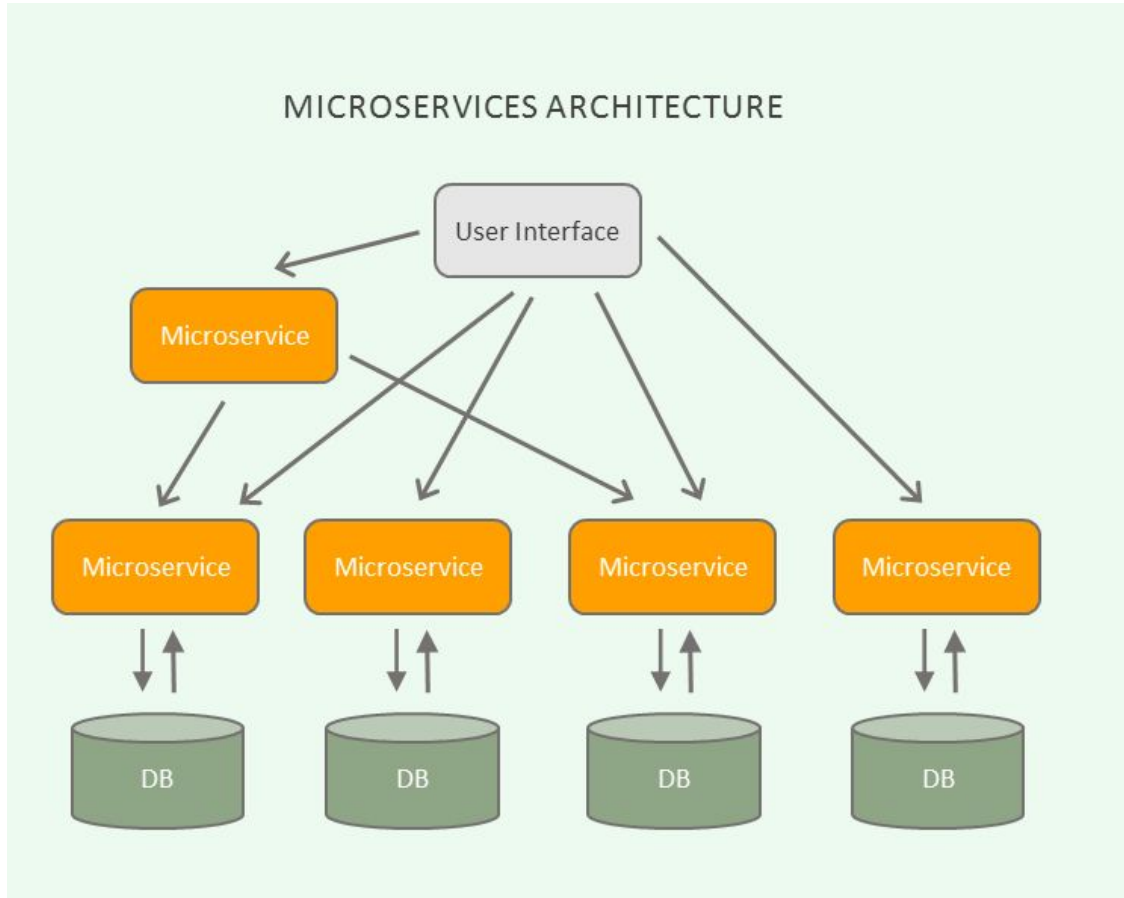
**Parameters:** Storage Classes have parameters that describe volumes belonging to the storage class. Different parameters may be accepted depending on the provisioner



2

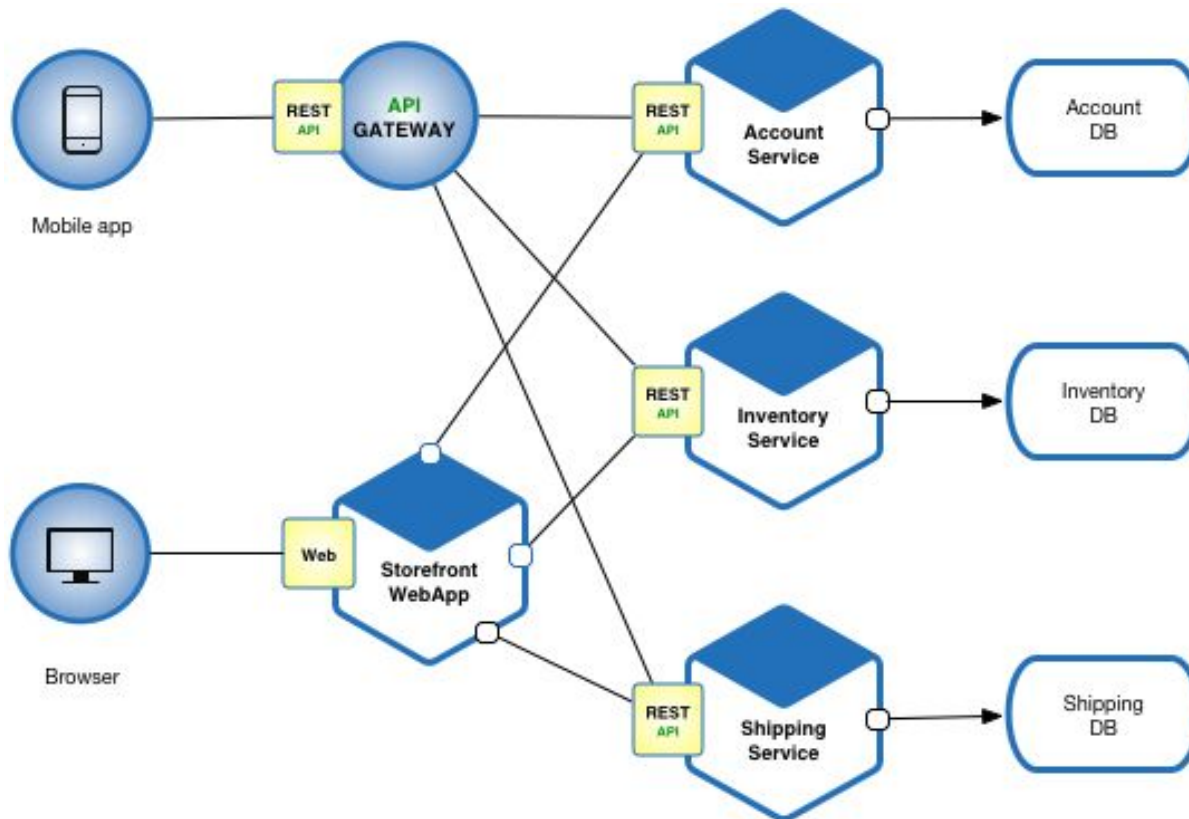
Ingress





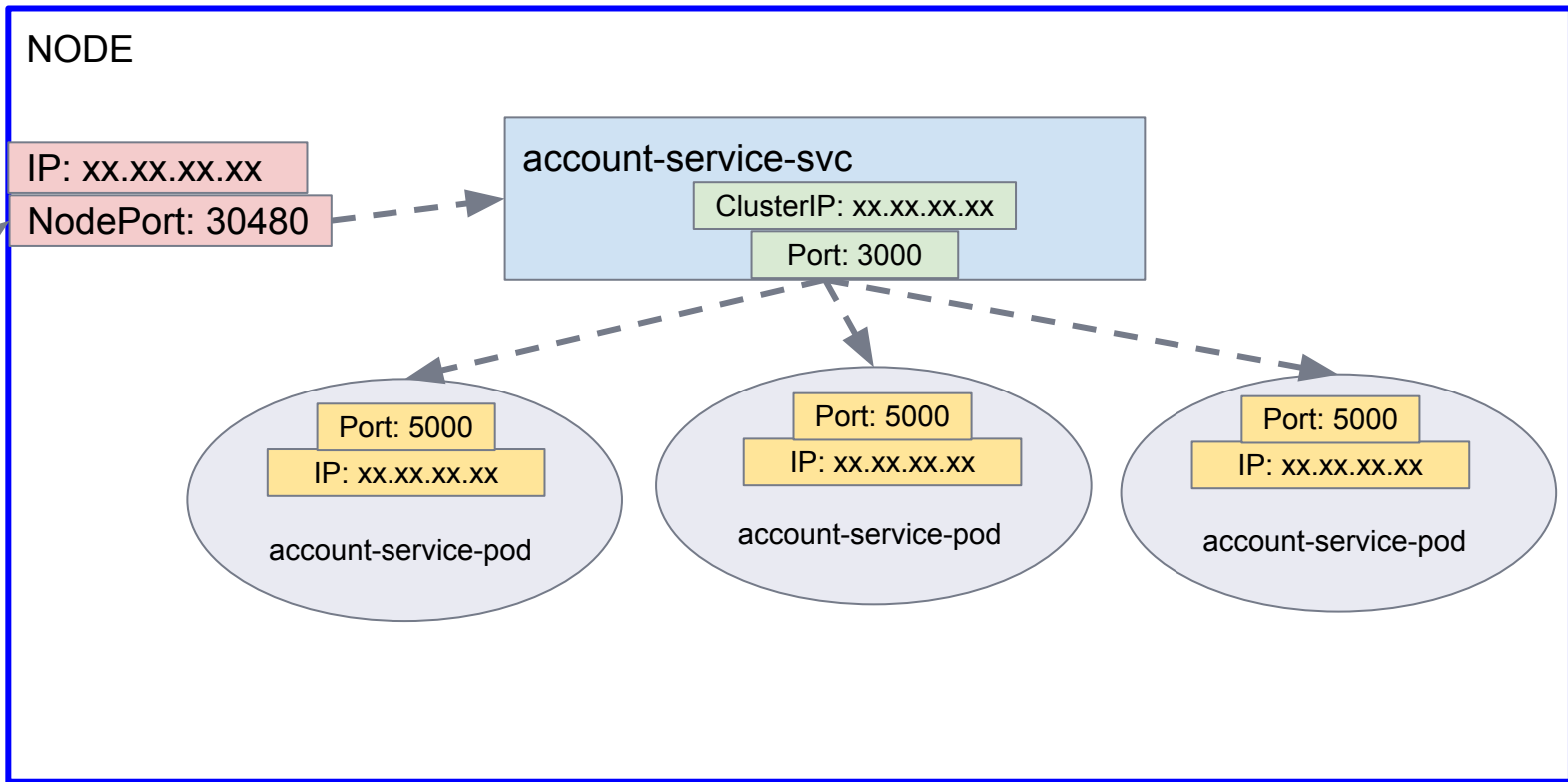


# Ingress



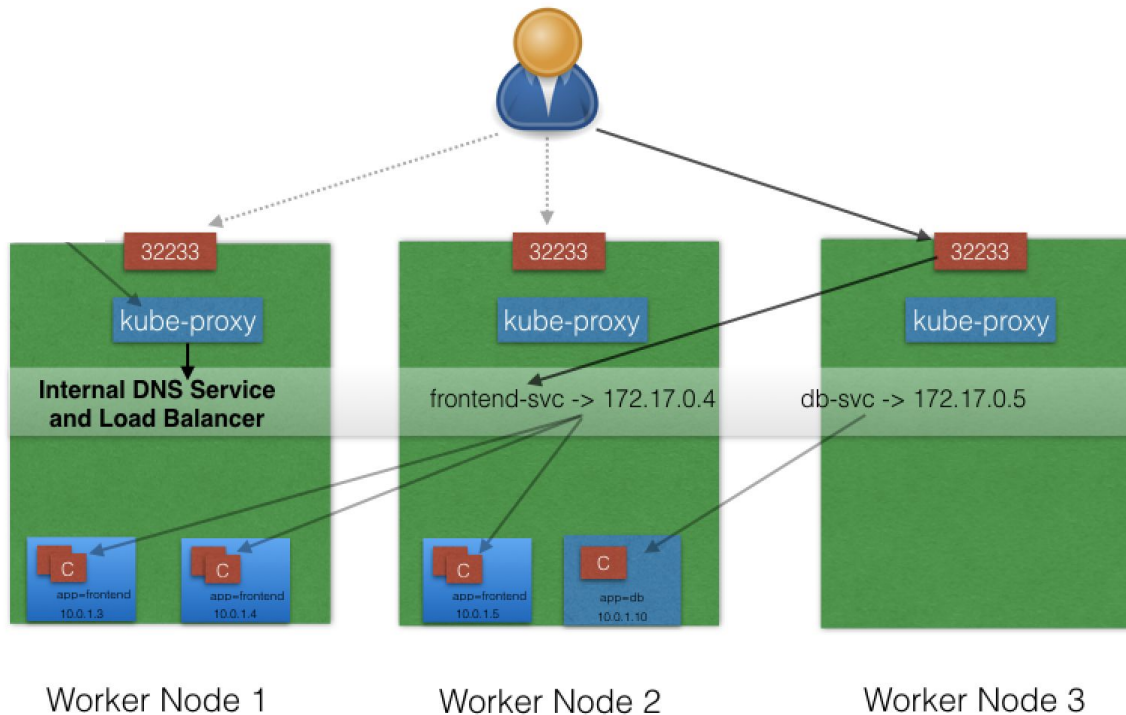


# Ingress



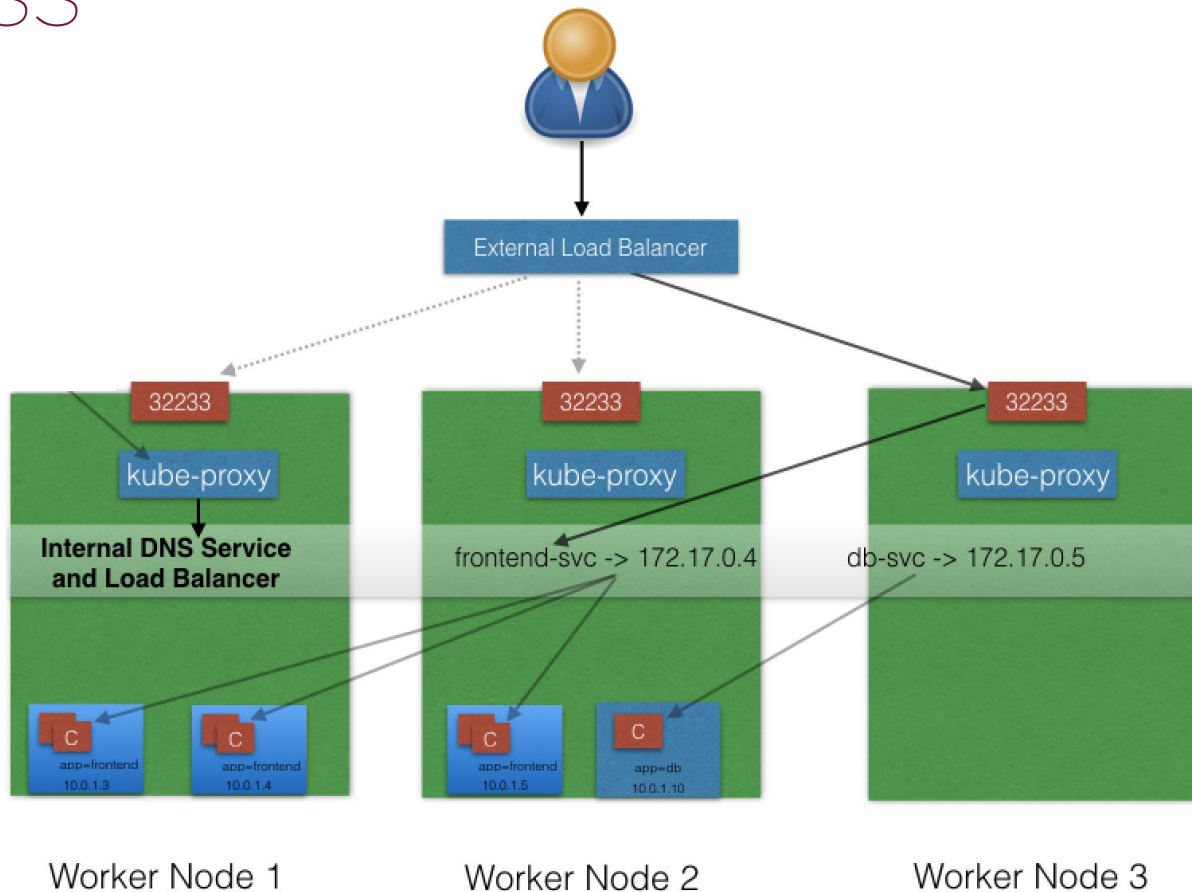


# Ingress





# Ingress



# ► Ingress



With Services, routing rules are associated with a given Service. They exist for as long as the Service exists, and there are many rules because there are many Services in the cluster. If we can somehow decouple the routing rules from the application and centralize the rules management, we can then update our application without worrying about its external access.

[www.clarus-commerce.com](http://www.clarus-commerce.com)

[www.clarus-commerce.com/account](http://www.clarus-commerce.com/account)

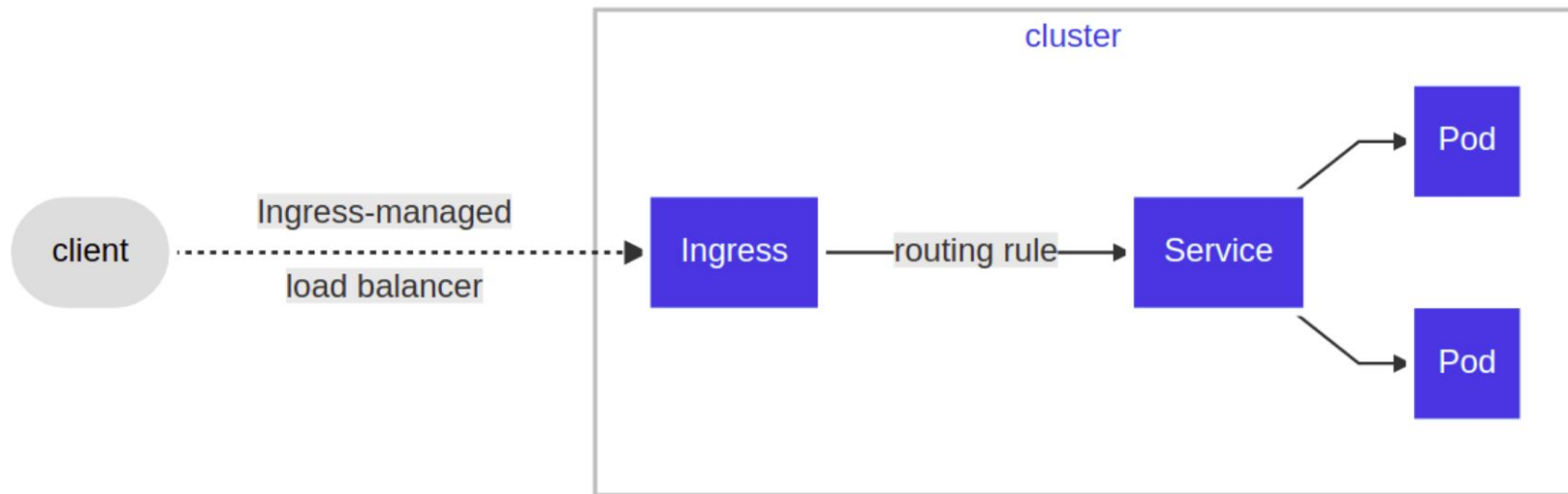
[www.clarus-commerce.com/inventory](http://www.clarus-commerce.com/inventory)

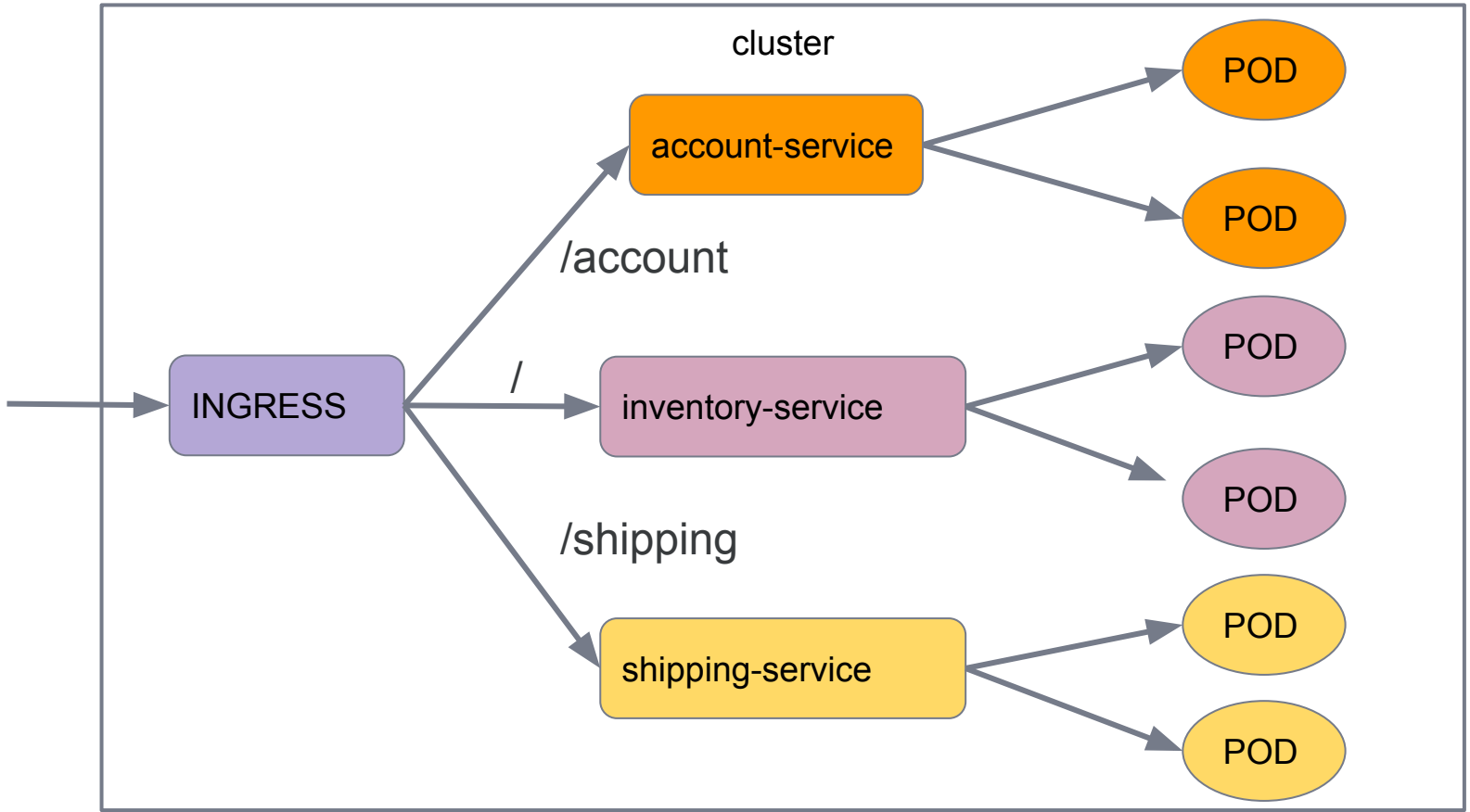
[www.clarus-commerce.com/shipping](http://www.clarus-commerce.com/shipping)



# Ingress

**"An Ingress is a collection of rules that allow inbound connections to reach the cluster Services."**

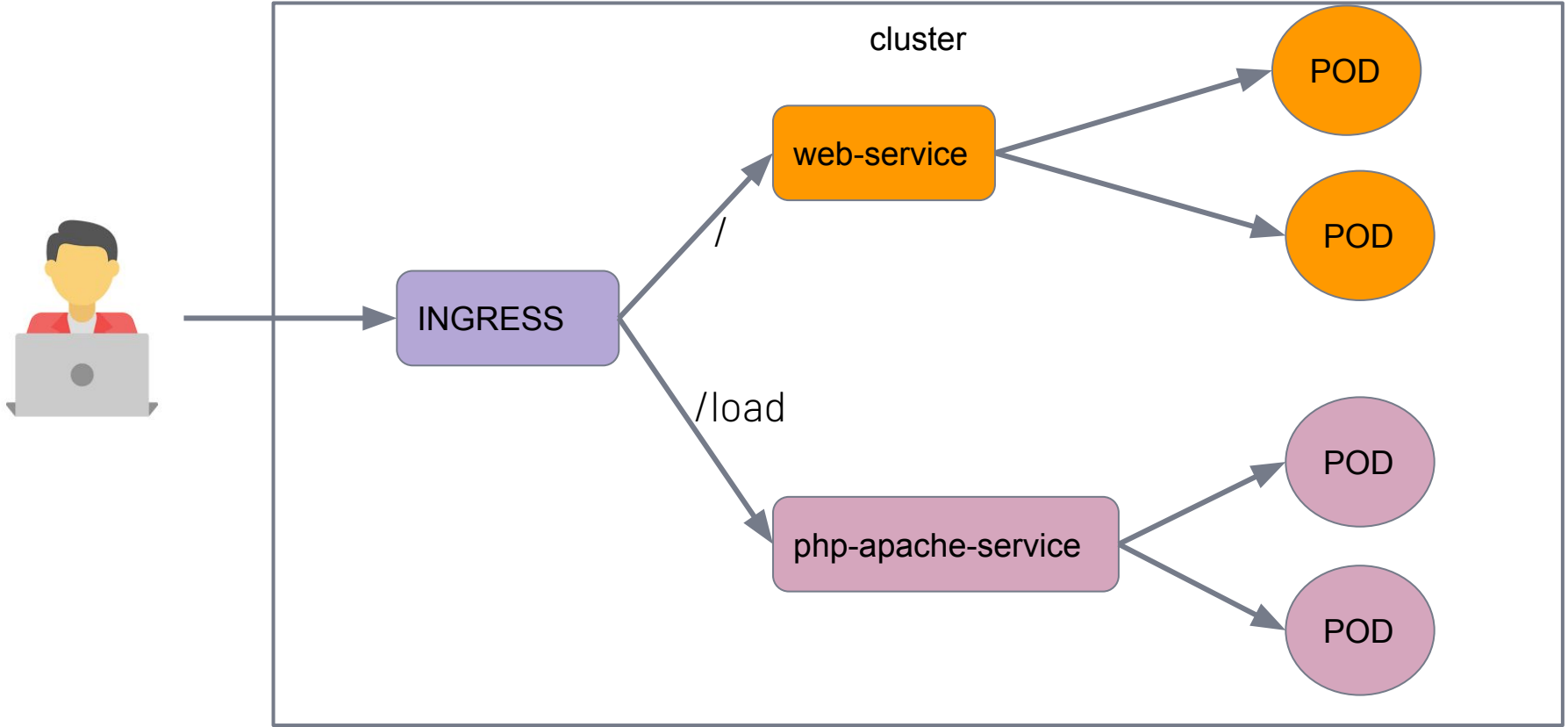








# Ingress





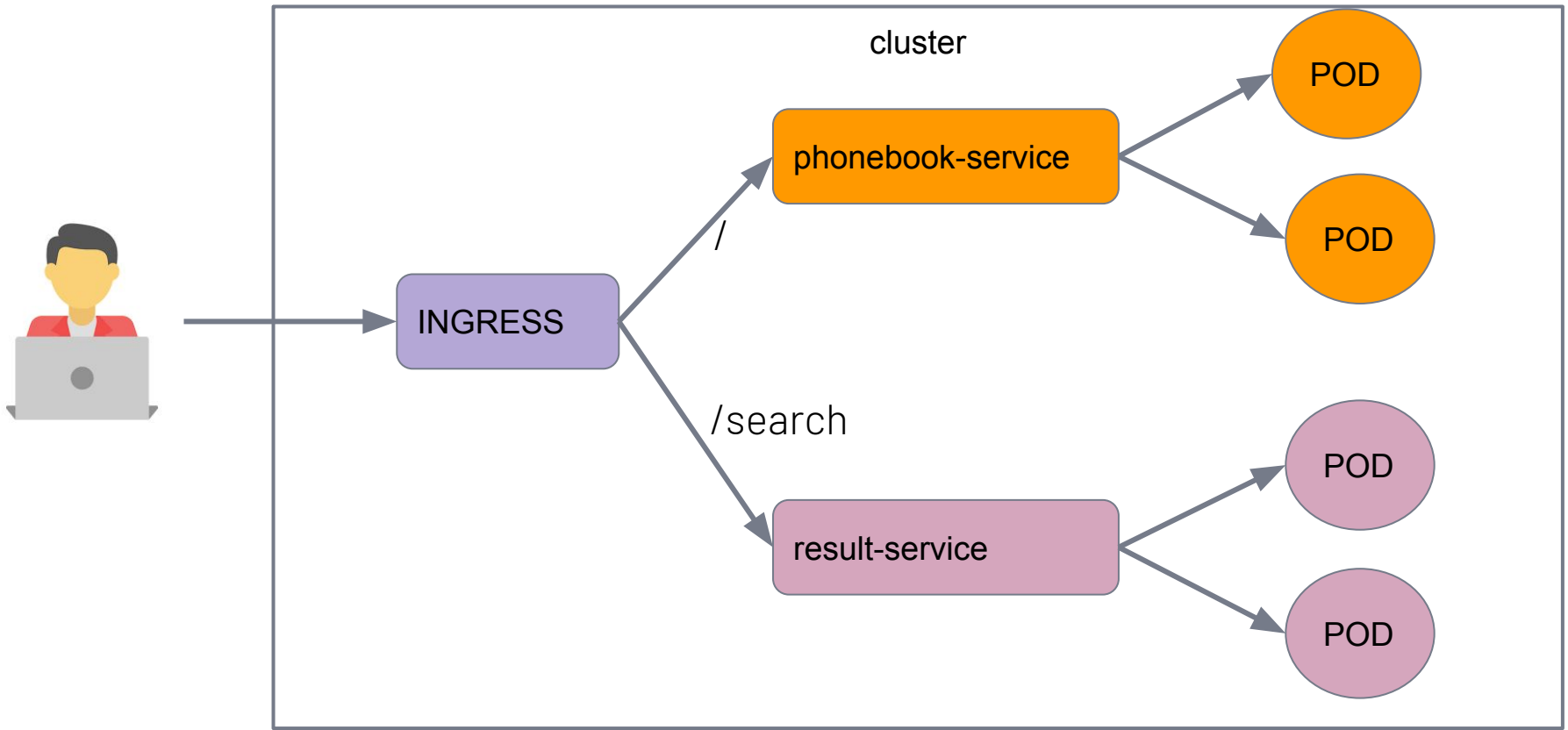
# Ingress

With Ingress, users do not connect directly to a Service. Users reach the Ingress endpoint, and, from there, the request is forwarded to the desired Service.

```
apiVersion: networking.k8s.io/v1beta1
kind: Ingress
metadata:
  name: ingress-service
  annotations:
    kubernetes.io/ingress.class: 'nginx'
    nginx.ingress.kubernetes.io/use-regex: 'true'
    nginx.ingress.kubernetes.io/rewrite-target: /$1
spec:
  rules:
    - http:
        paths:
          - path: /?(.*)
            backend:
              serviceName: web-service
              servicePort: 3000
          - path: /load/?(.*)
            backend:
              serviceName: php-apache-service
              servicePort: 80
```



# Ingress





# THANKS!

## Any questions?

You can find me at:

- ▶ [james@clarusway.com](mailto:james@clarusway.com)



Students, write your response!