

AWS ALB and Ingress

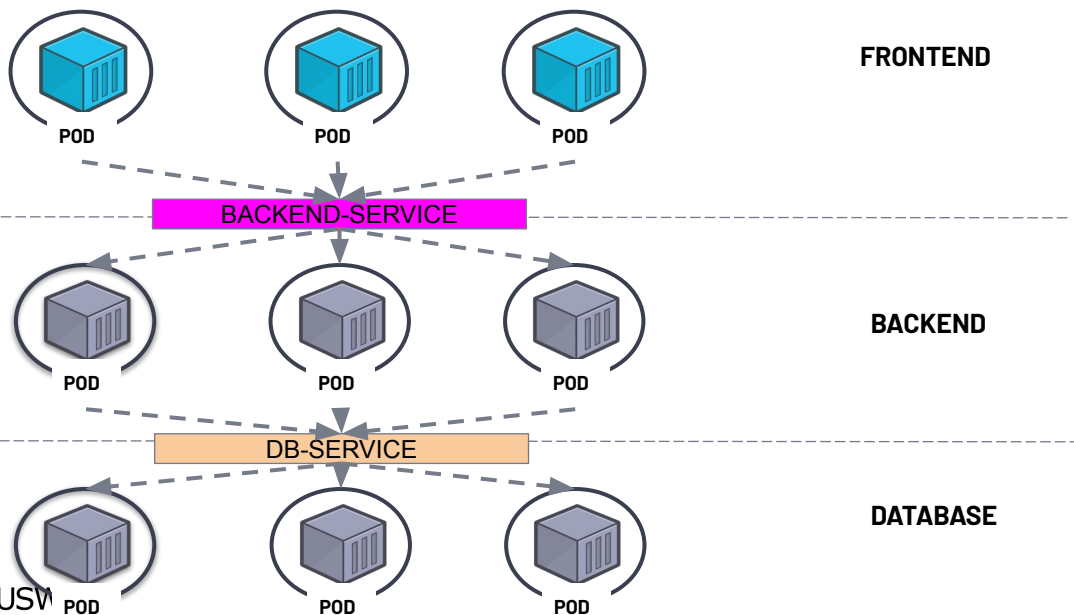


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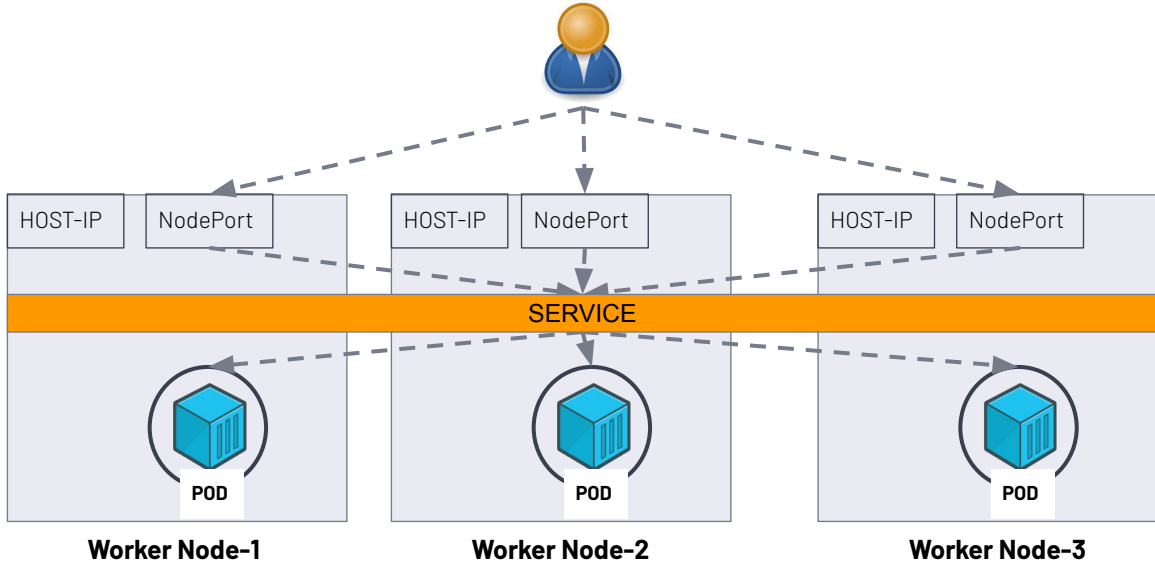
Services



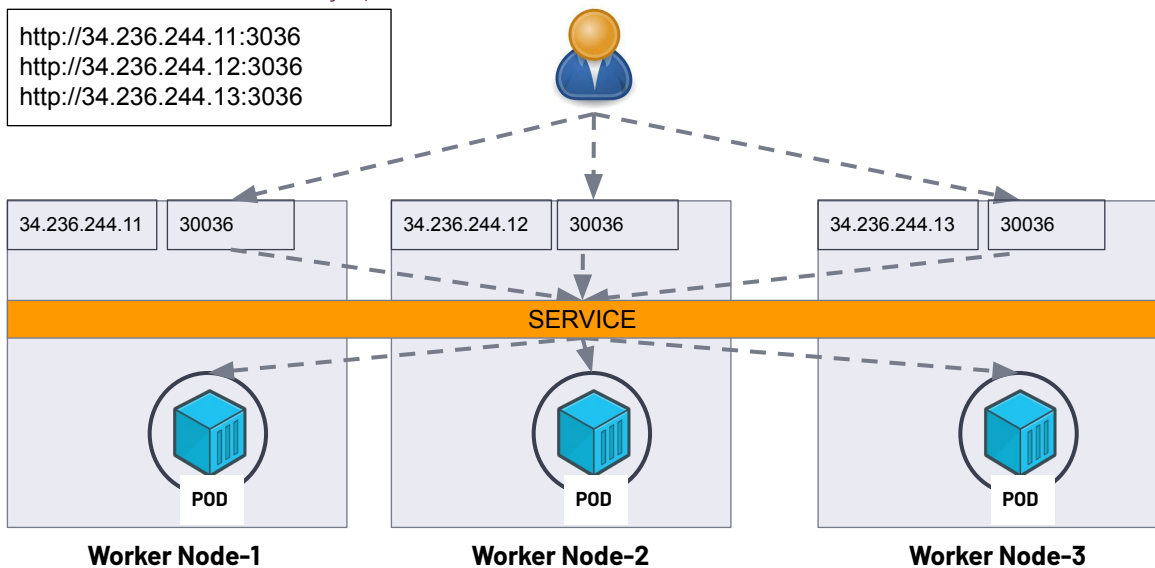
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Service Types/NodePort

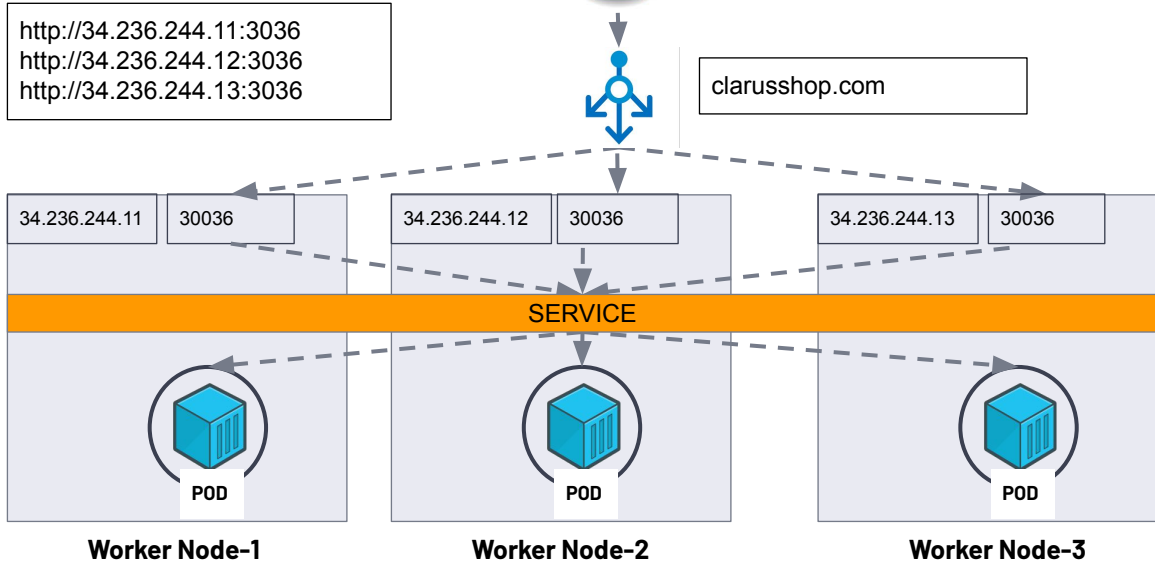


Service Types/LoadBalancer





Service Types



Monolith vs Microservices

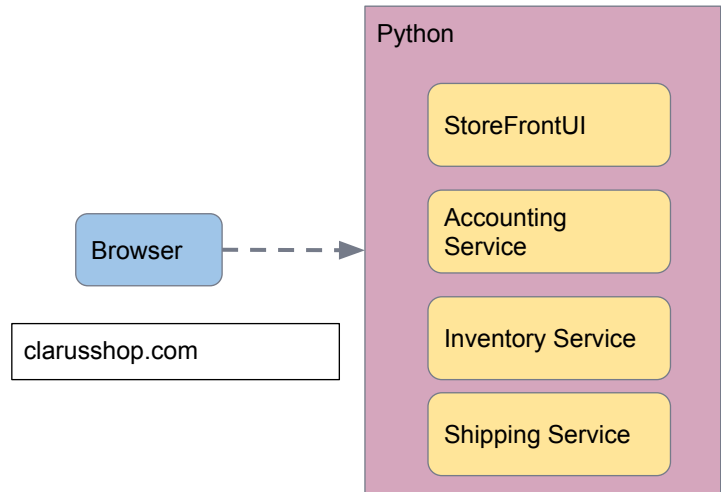
Let's imagine that we are building an e-commerce application that takes orders from customers, verifies inventory and available credit, and ships them.

The application consists of several components including the StoreFrontUI, which implements the user interface, along with some backend services for checking credit, maintaining inventory and shipping orders.

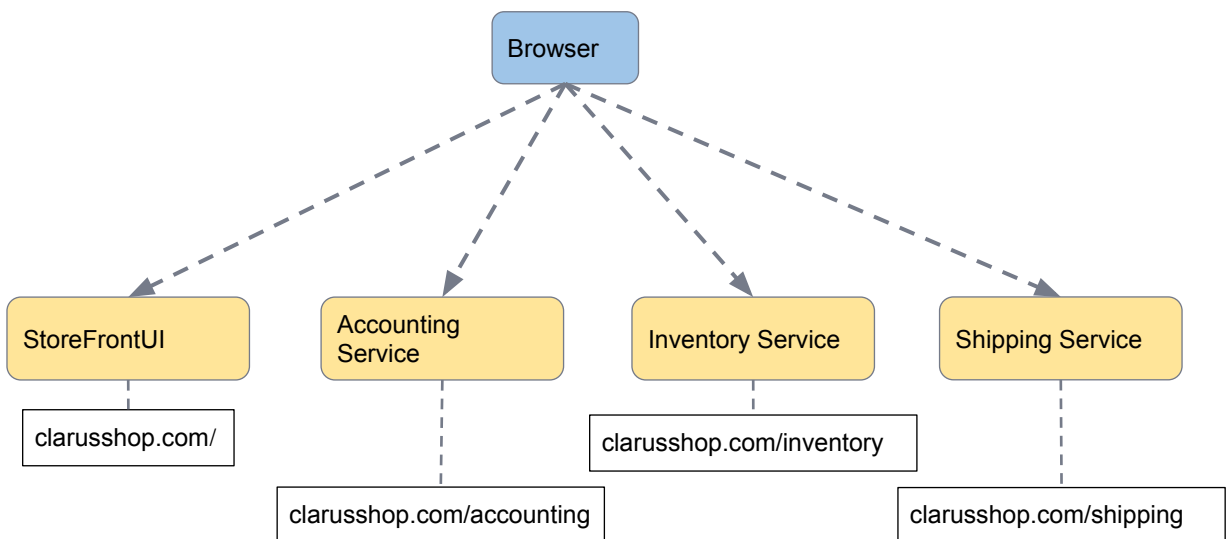


Monolith vs Microservices

The application is deployed as a single monolithic application. For example, a Python flask application consists of a single python file that runs on a container.

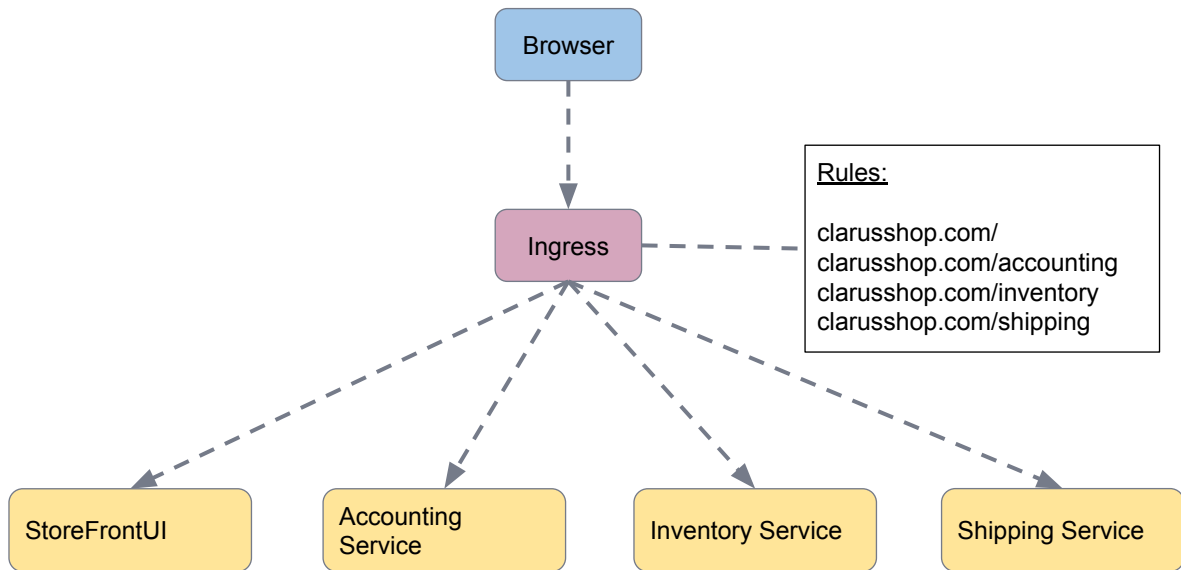


Monolith vs Microservices





Monolith vs Microservices



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: extensions/v1beta1
...
spec:
  rules:
    - host: clarusshop.clarusway.us
      http:
        paths:
          - path: /account
            backend:
              serviceName: account-service
              servicePort: 80
          - path: /inventory
            backend:
              serviceName: inventory-service
              servicePort: 80
          - path: /shipping
            backend:
              serviceName: shipping-service
              servicePort: 80
          - path: /
            backend:
              serviceName: storefront-service
              servicePort: 80
```



THANKS!

Any questions?

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