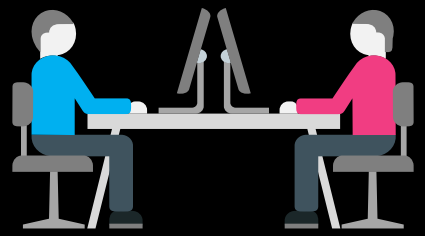
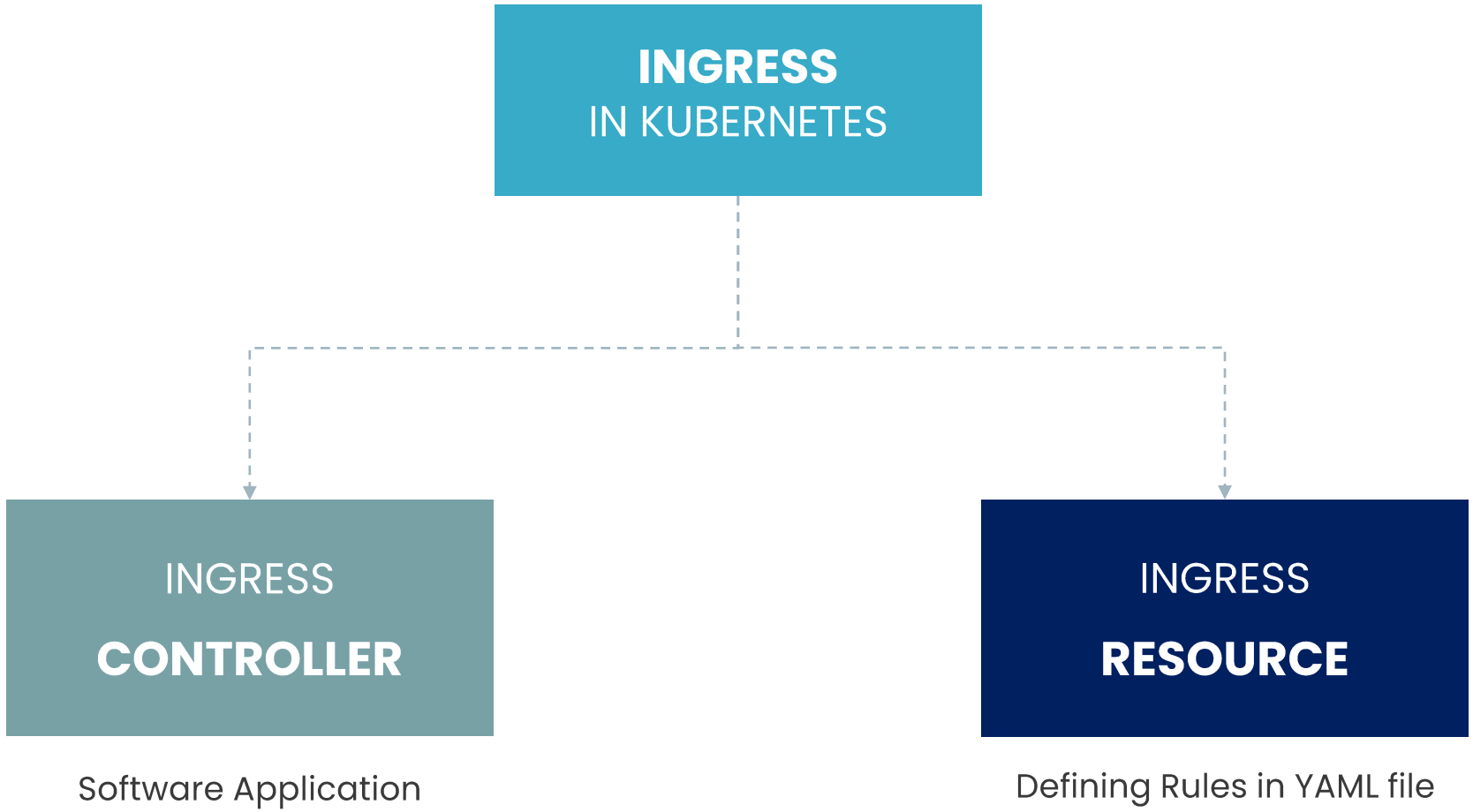
Ingress Resources



INGRESS IN KUBERNETES



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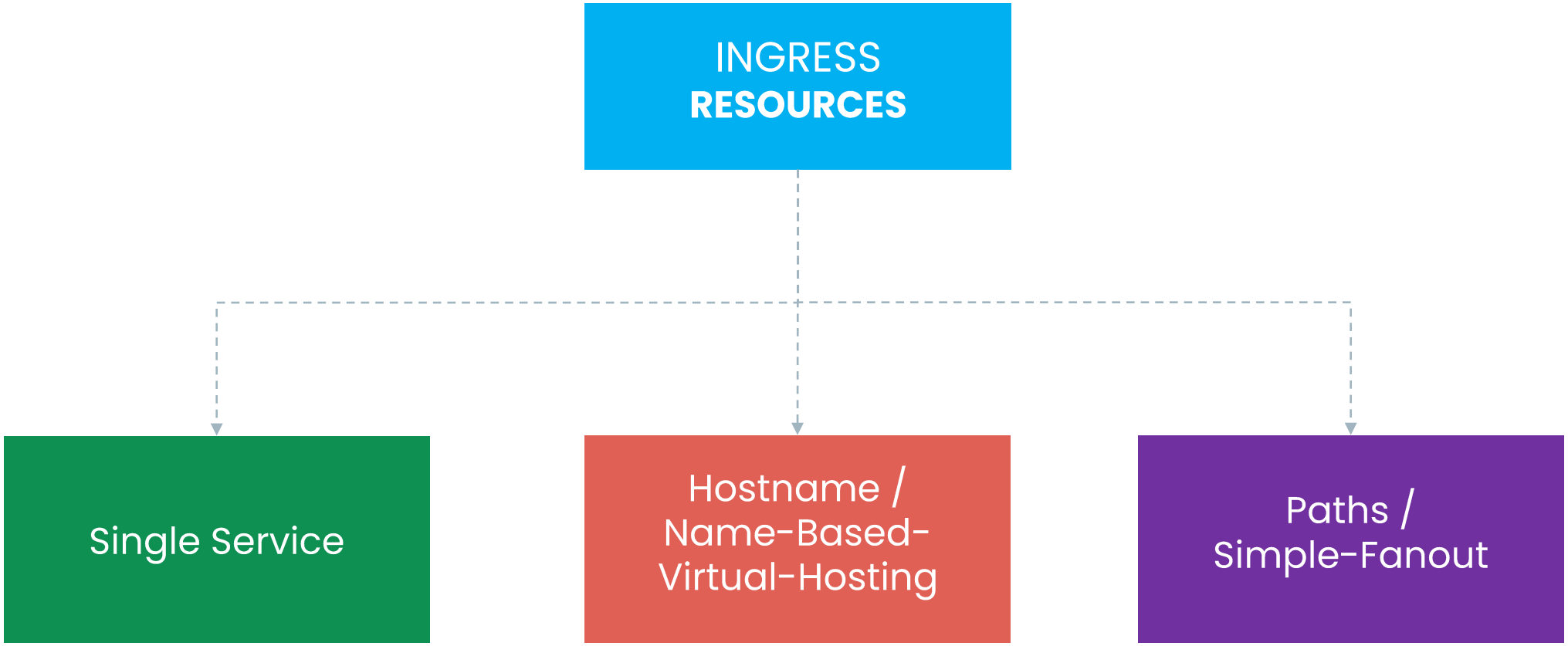
INGRESS **RESOURCES**



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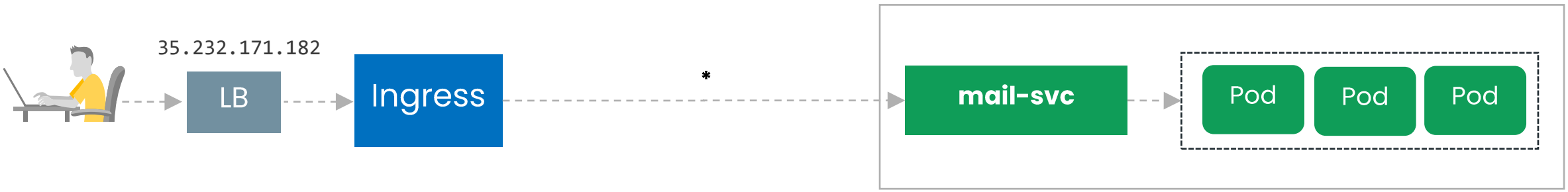
SINGLE SERVICE




```yaml
apiVersion: networking.k8s.io/v1beta1
kind: Ingress
metadata:
  name: test-ingress
spec:
  backend:
    serviceName: mail-svc
    servicePort: 80
```

DNS Entries

* -> 35.232.171.182 -> mail-svc

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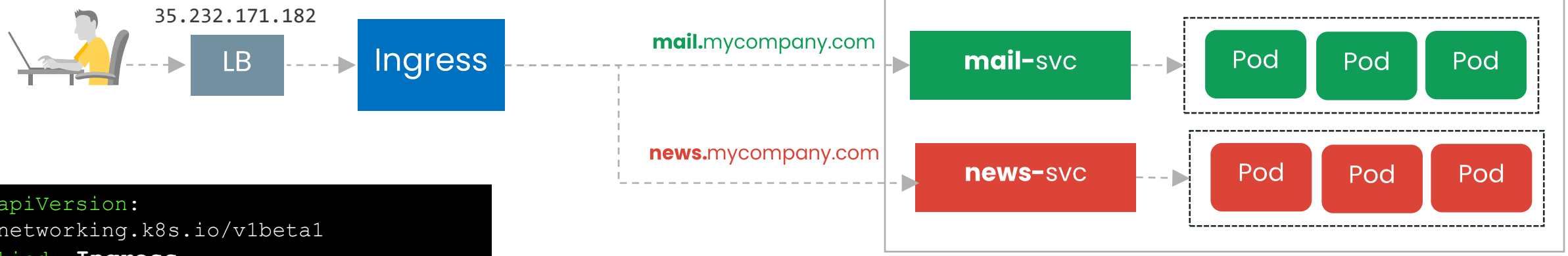
NAME BASED VIRTUAL HOSTING – **USING HOSTNAMES**




```yaml
apiVersion:
networking.k8s.io/v1beta1
kind: Ingress
metadata:
  name: host-ingress
spec:
  rules:
  - host: mail.mycompany.com
    http:
      paths:
      - backend:
          serviceName: mail-svc
          servicePort: 80
  - host: news.mycompany.com
    http:
      paths:
      - backend:
          serviceName: news-svc
          servicePort: 80
```

DNS Entries

mail.mycompany.com	**35.232.171.182**
news.mycompany.com	

Ingress Rules

mail.mycompany.com -> **mail-svc**:80

news.mycompany.com -> **news-svc**:80

URL

http://**mail**.mycompany.com

http://**news**.mycompany.com

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SIMPLE FANOUT – **USING PATHS**

35.232.171.182

LB

Ingress

mail.mycompany.com/**inbox**

mail.mycompany.com/**sent**

mail.mycompany.com/

inbox-svc

sent-svc

mail-svc

Pod Pod Pod

Pod Pod Pod

Pod Pod Pod

```
apiVersion:
networking.k8s.io/v1beta1
kind: Ingress
metadata:
  name: path-ingress
spec:
  rules:
  - host: mail.mycompany.com
    http:
      paths:"/inbox"
      - backend:
          serviceName: inbox-svc
          servicePort: 4200
      paths:"/sent"
      - backend:
          serviceName: sent-svc
          servicePort: 8080
      paths:"/"
      - backend:
          serviceName: mail-svc
          servicePort: 8080
```

DNS Entries

```
https://mail.mycompany.com/inbox -> 35.232.171.182 -> /inbox -> inbox-svc:4200
https://mail.mycompany.com/sent  -> 35.232.171.182 -> /sent  -> sent-svc:8080
https://mail.mycompany.com/      -> 35.232.171.182 -> /      -> mail-svc:8080
```

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