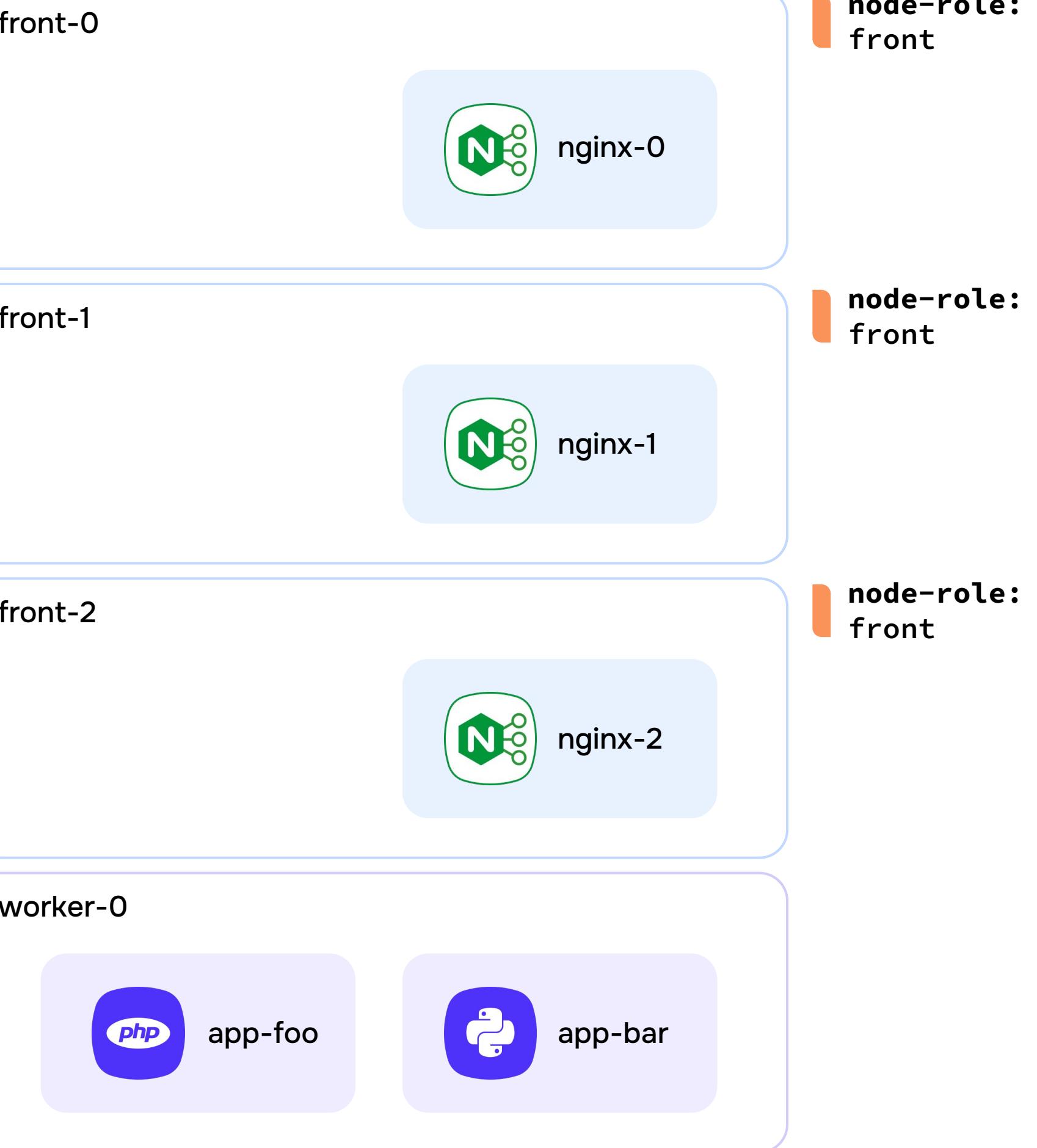






There are three frontends nodes and one worker in the cluster.



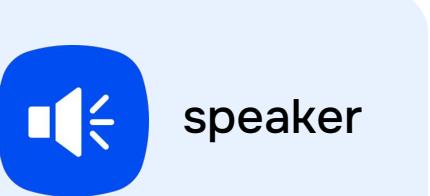


```
apiVersion: metallb.io/v1beta1
kind: IPAddressPool
metadata:
  name: mypool
  namespace: metallb-system
spec:
  addresses:
    - 192.168.122.100/24
---
apiVersion: metallb.io/v1beta1
kind: L2Advertisement
metadata:
  name: l2-advert
  namespace: metallb-system
spec:
  ipAddressPools:
    - mypool
  nodeSelectors:
    - matchLabels:
        node-role: front
```

We turn on standard **MetallB** in L2 mode.  
**Speaker** is deployed on each frontend-nodes  
for address announcement.



front-0

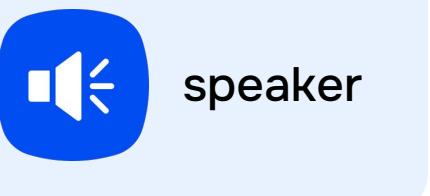


speaker



nginx-0

front-1

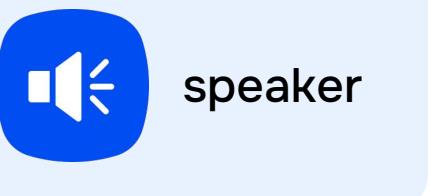


speaker



nginx-1

front-2



speaker



nginx-2

worker-0



app-foo

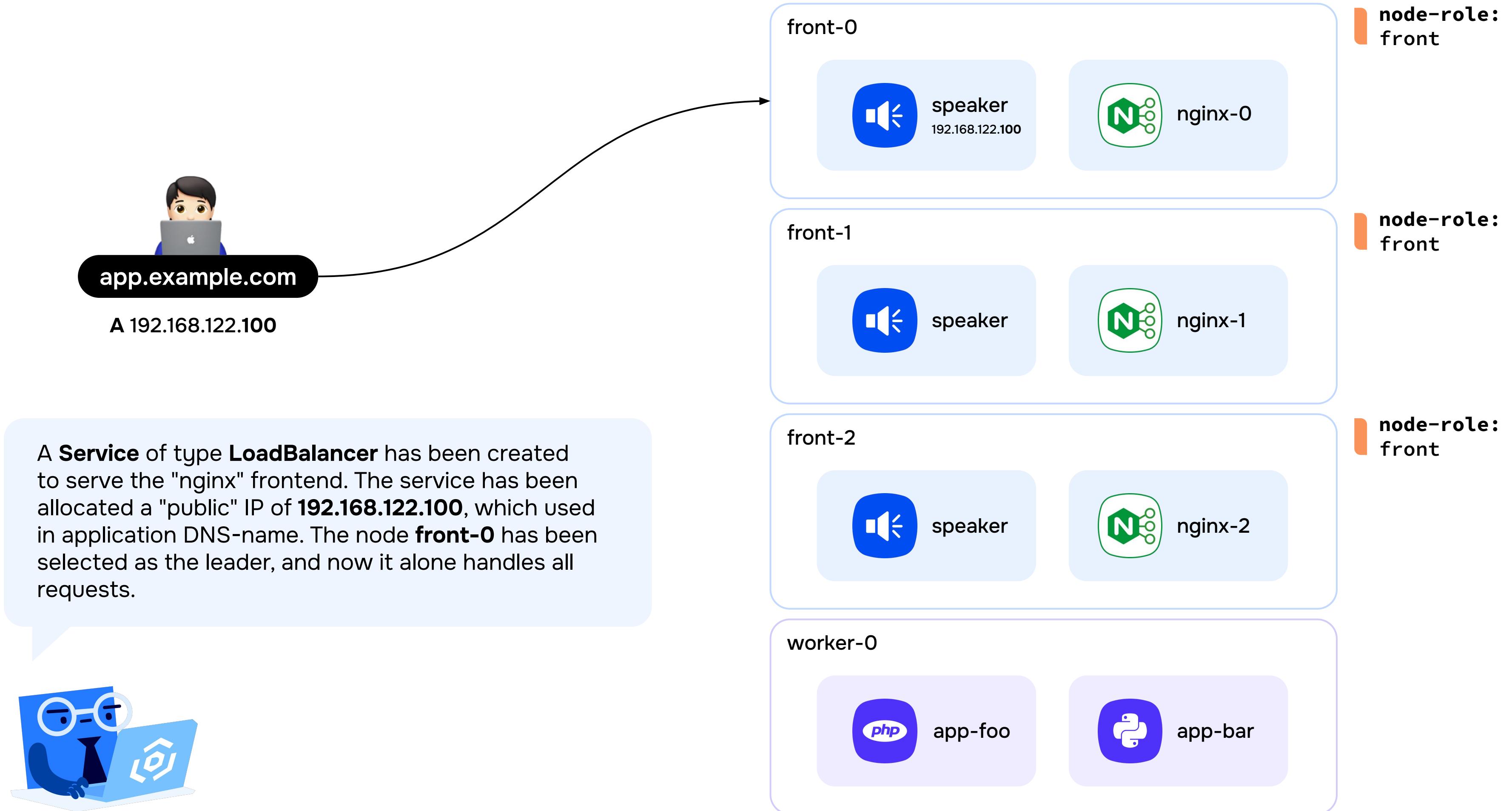


app-bar

**node-role:**  
front

**node-role:**  
front

**node-role:**  
front



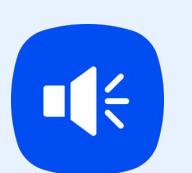


app.example.com

A 192.168.122.100



front-0

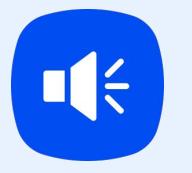


speaker  
192.168.122.100



nginx-0

front-1



speaker



nginx-1

front-2



speaker



nginx-2

node-role:  
front

node-role:  
front

node-role:  
front

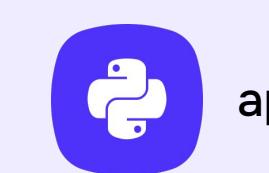
In the event of a failure of the nginx application on the leader node or of the node itself, all requests are interrupted...



worker-0



app-foo



app-bar



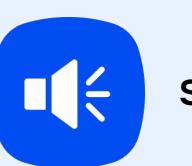
**app.example.com**

A 192.168.122.100

...and a new leader node is elected.



front-0

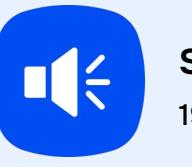


speaker



nginx-0

front-1



speaker  
192.168.122.100



nginx-1

front-2



speaker



nginx-2

worker-0



app-foo



app-bar

**node-role:  
front**

**node-role:  
front**

**node-role:  
front**