

## MetalLB L2 mode

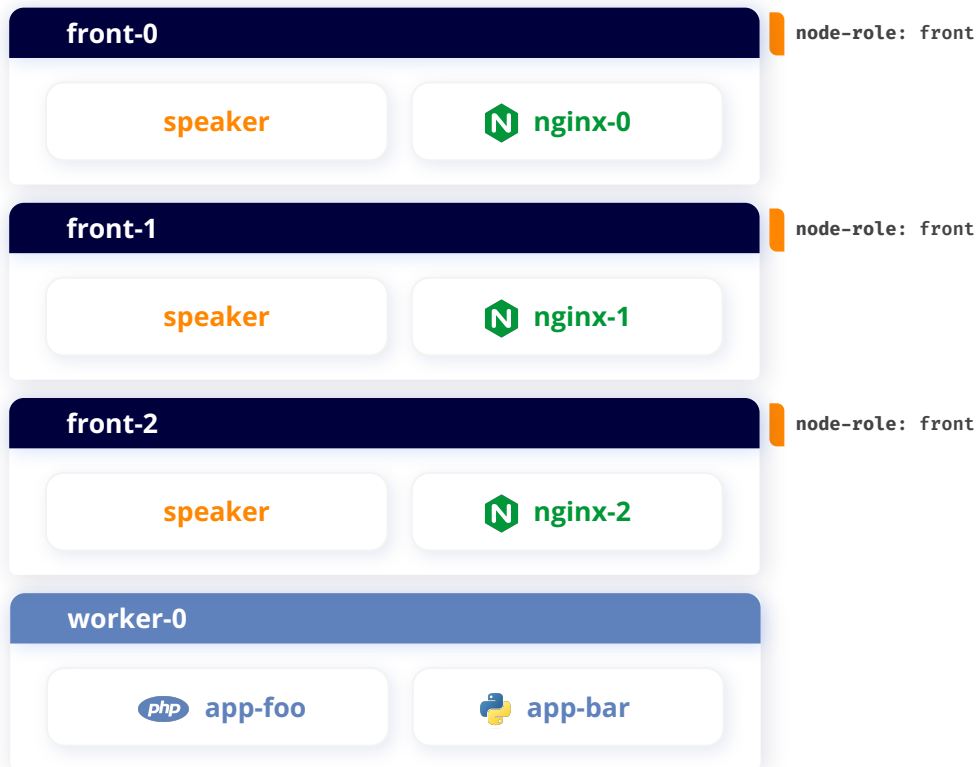


There are three frontends nodes and one worker in the cluster.

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```
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
```



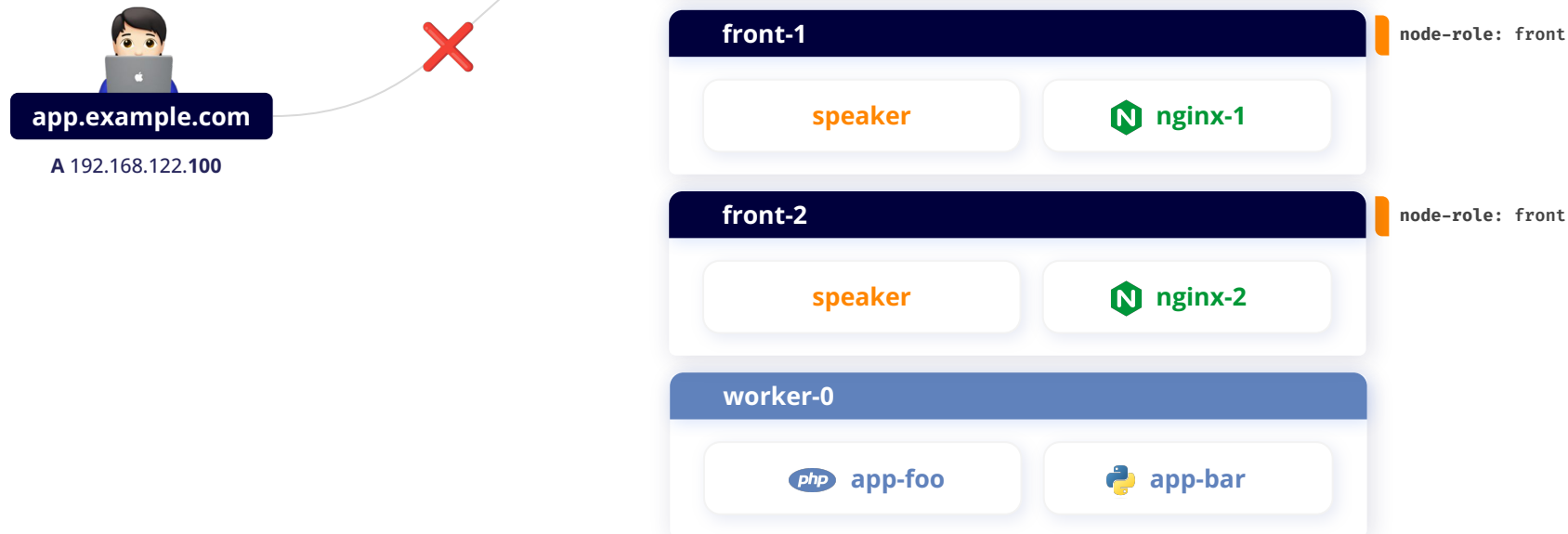
We turn on standard MetalLB in L2 mode.  
Speaker is deployed on each frontend node for address announcement.

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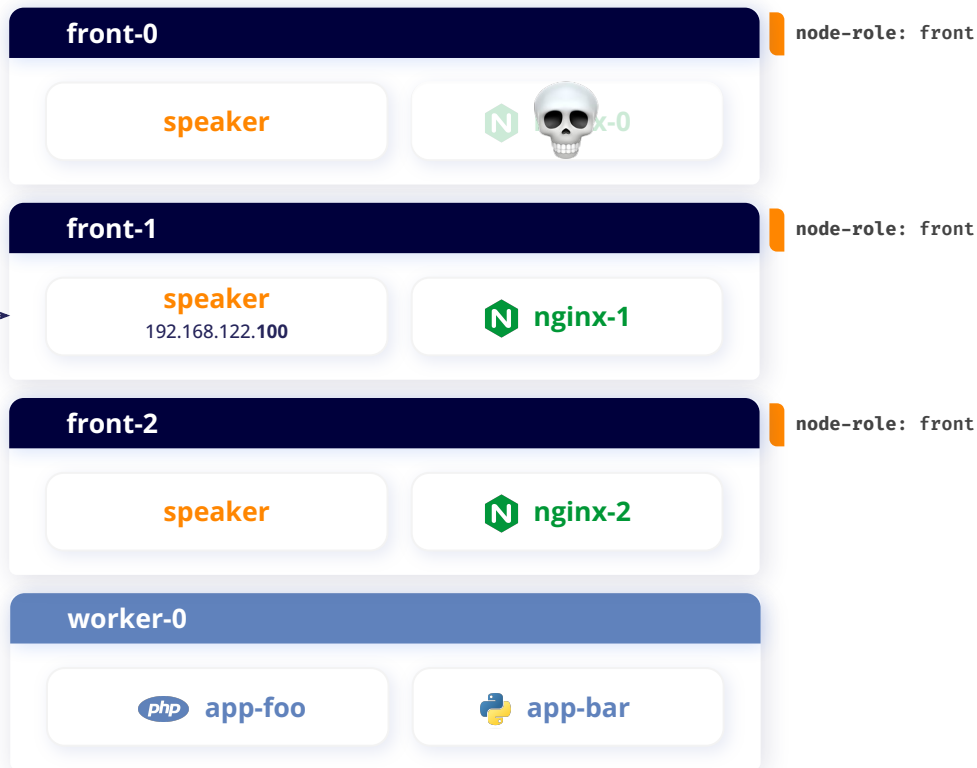
A Service of type LoadBalancer has been created to serve the "nginx" frontend. The service has been allocated a "public" IP of 192.168.122.100, which is used in application DNS-name. The node front-0 has been selected as the leader, and now it alone handles all requests.

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

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...and a new leader node is elected.