Deckhouse
Kubernetes Platform

Basic egress gateway

The cluster has dedicated nodes with public IP addresses. These addresses are registered in the list of allowed addresses on the external service.

Deckhouse
Kubernetes Platform

egress node
172.16.0.7

egress node
172.16.0.8

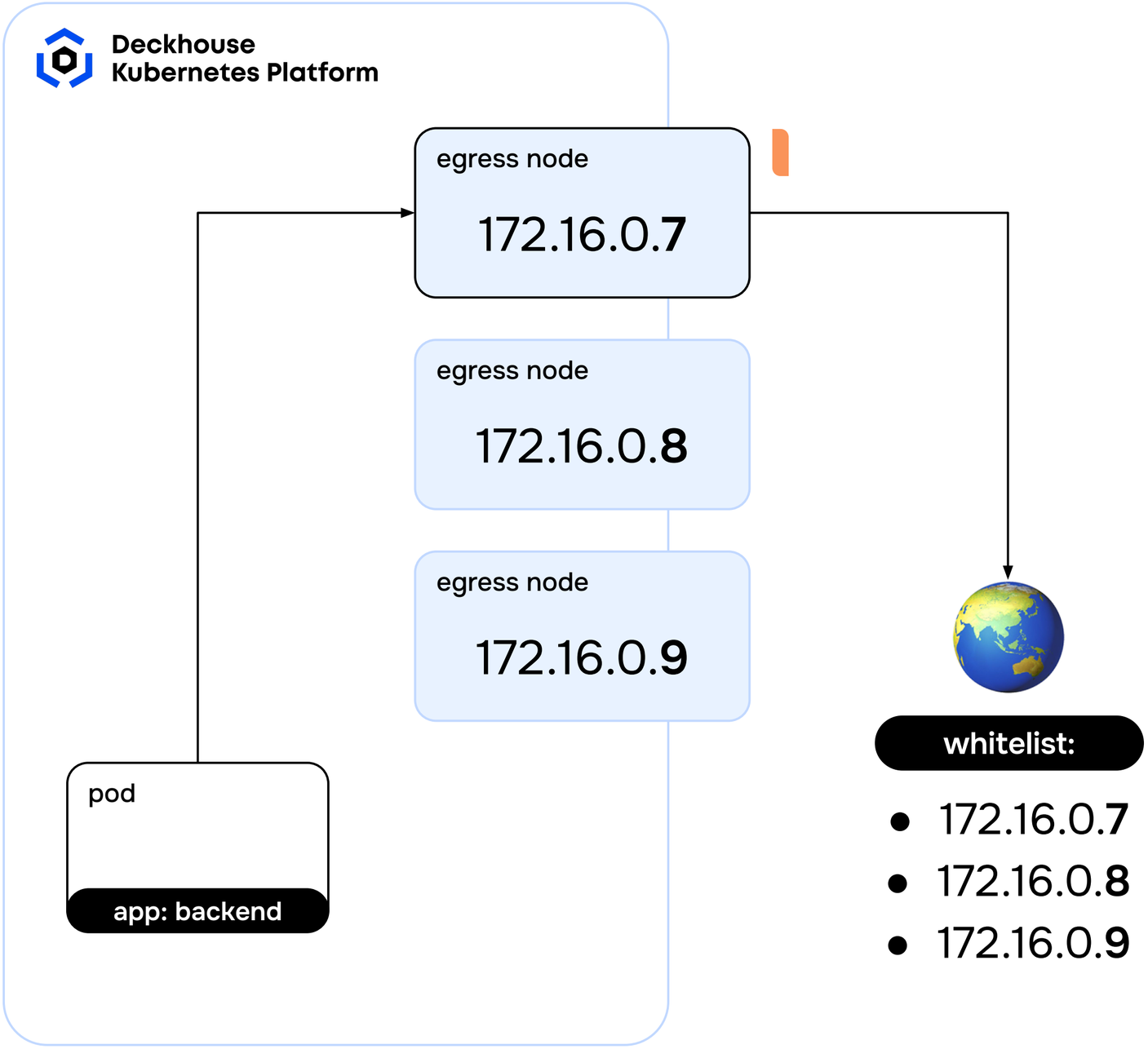
egress node
172.16.0.9

pod
app: backend

whitelist:

- 172.16.0.7
- 172.16.0.8
- 172.16.0.9

The platform assigns a master node. Outgoing requests to an external service are routed through this node.



If the main node fails, all current connections are interrupted...

Deckhouse
Kubernetes Platform

egress node
172.16.0.7

egress node
172.16.0.8

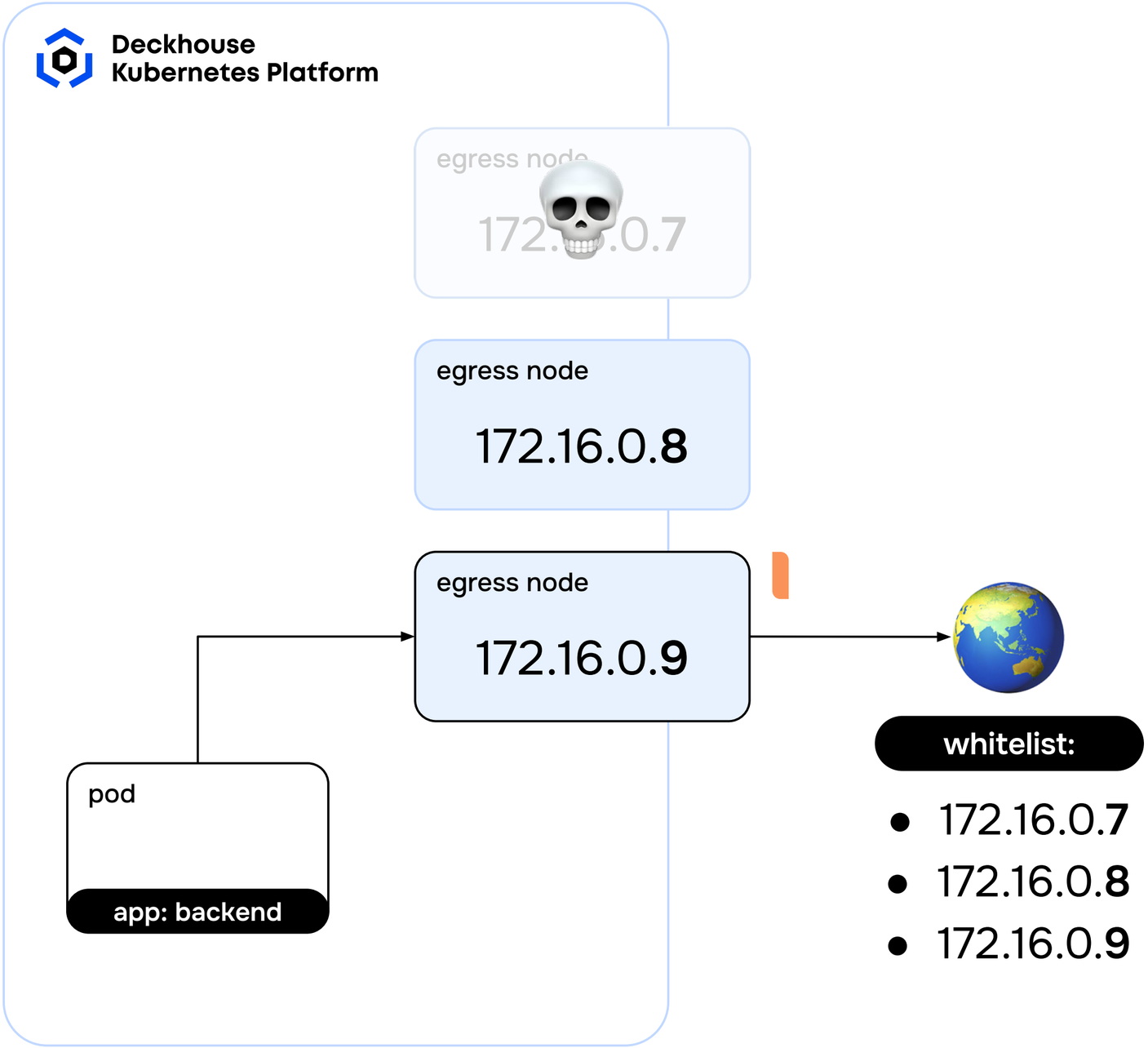
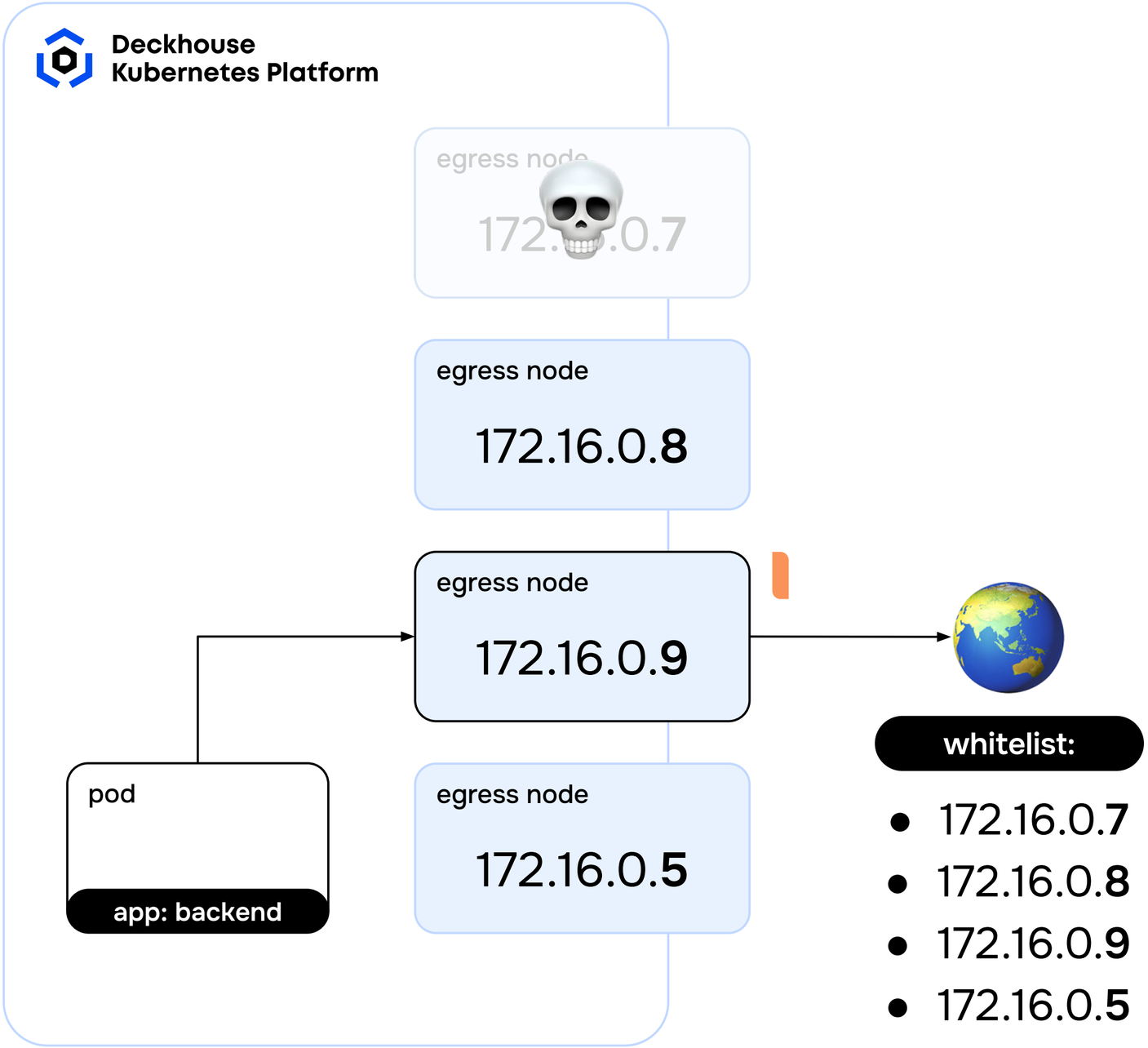
egress node
172.16.0.9

pod
app: backend

whitelist:

- 172.16.0.7
- 172.16.0.8
- 172.16.0.9

...and a new master node will be elected among the remaining worker nodes through which traffic will flow.



If a new egress node is to be added, its public address must be added to the whitelist on the external service.