Egress gateway with Virtual IP

app: backend

Pod

egress node

172.16.0.**7**

egress node

172.16.0.**8**

egress node

172.16.0.**9**
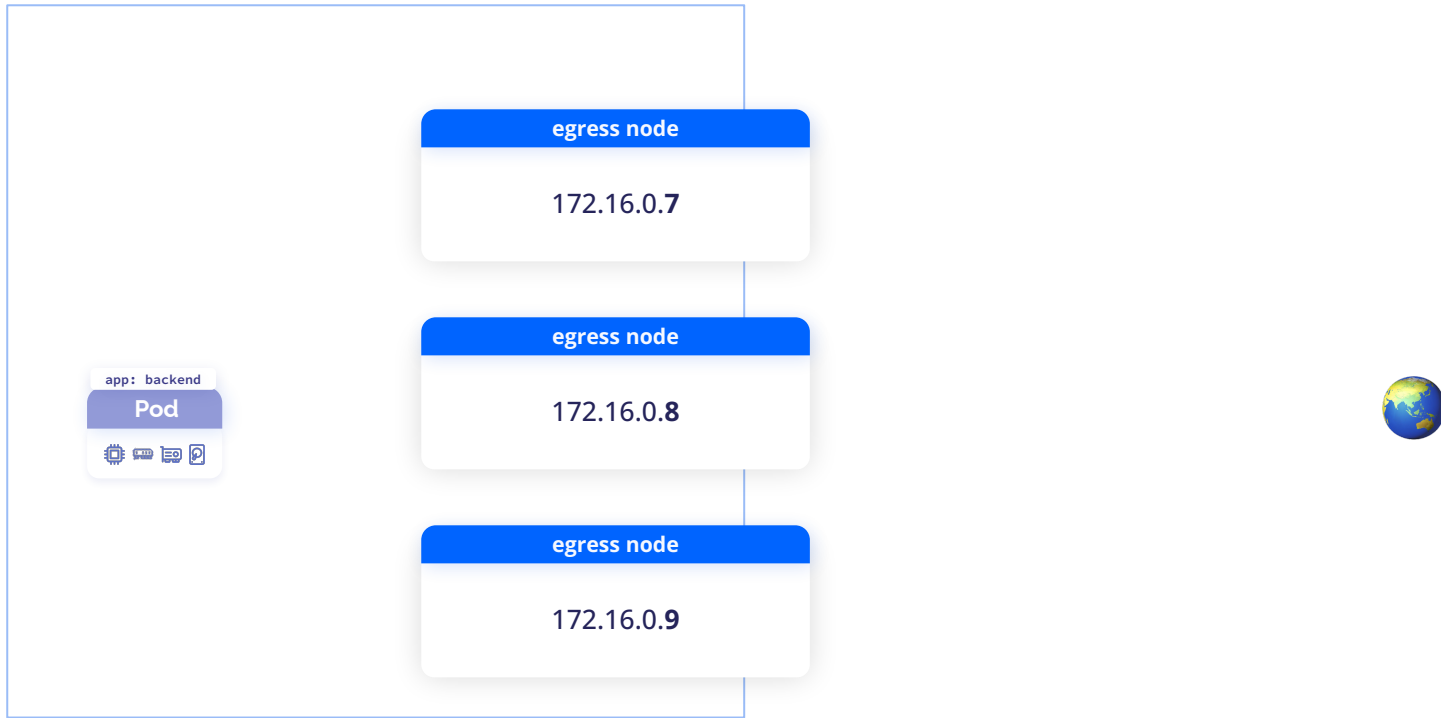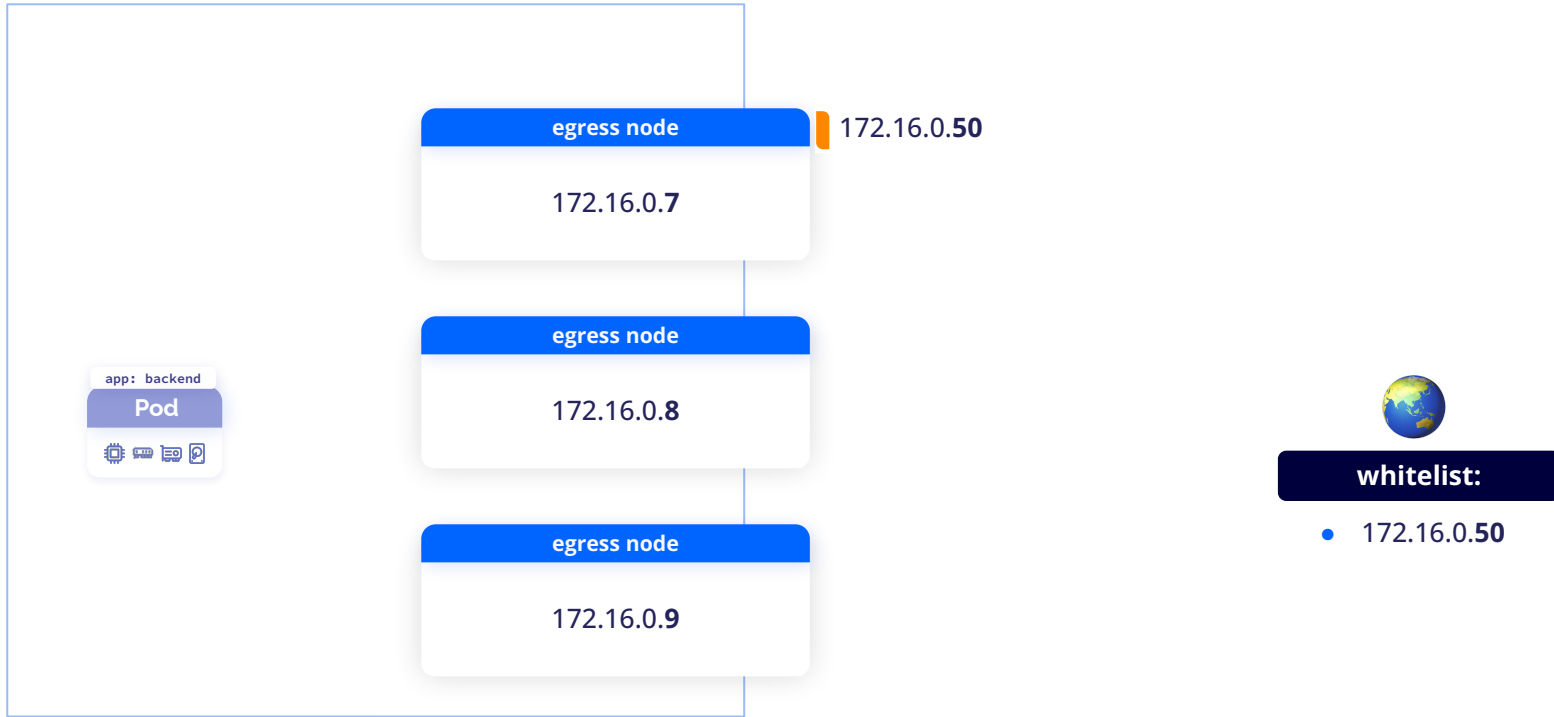
There is a group of dedicated nodes in the cluster through which we want to send outgoing requests.
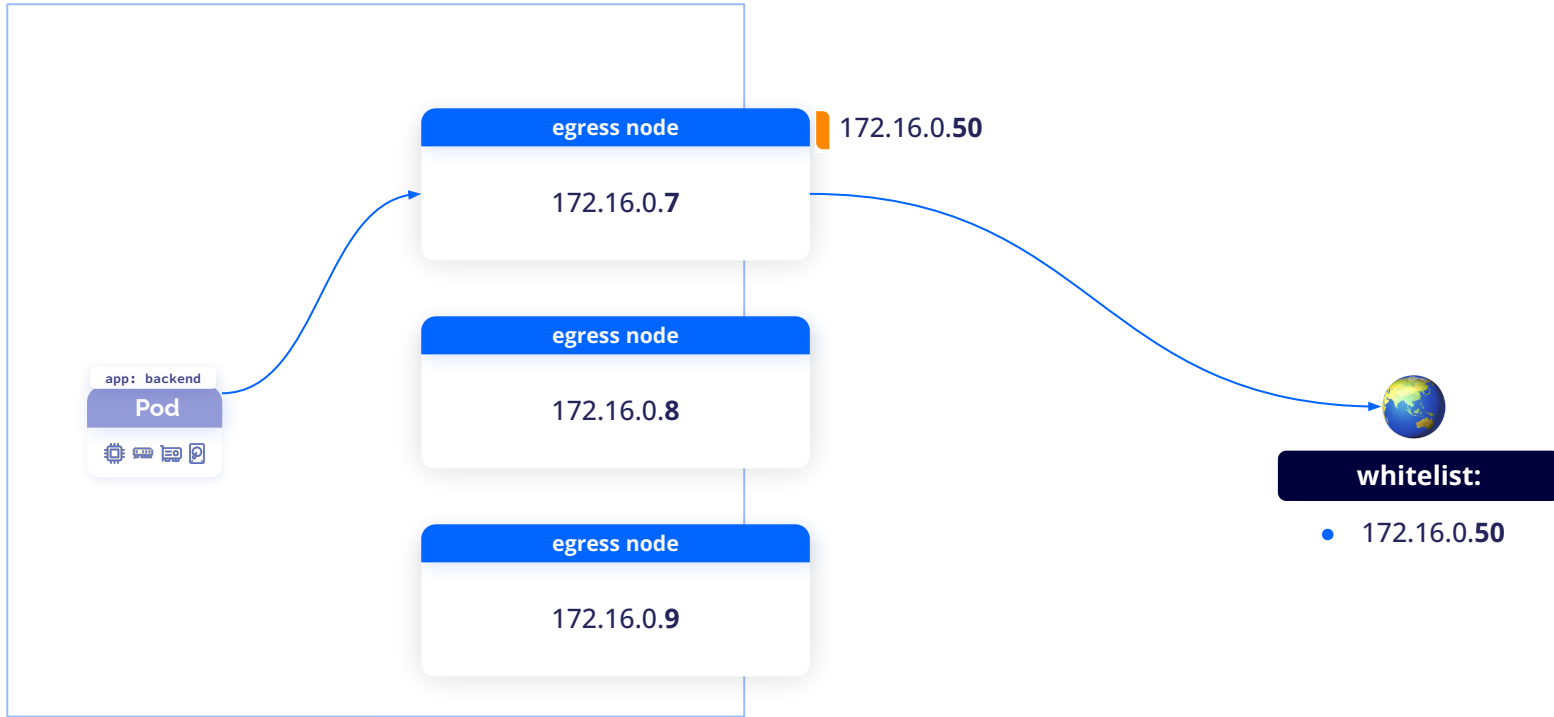
Egress gateway with Virtual IP

egress node

172.16.0.**50**

172.16.0.**7**

egress node

172.16.0.**8**

app: backend

Pod

egress node

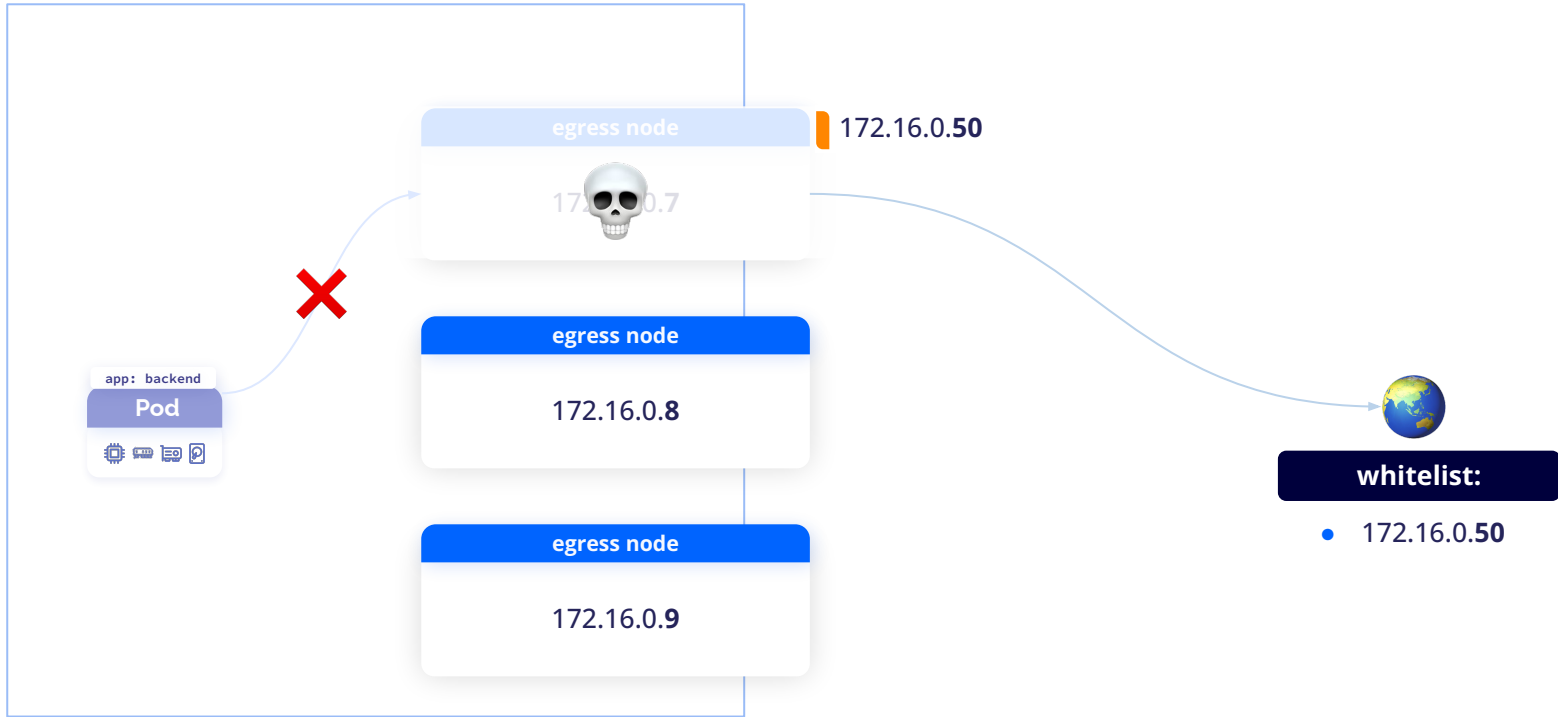172.16.0.**9**

whitelist:

- 172.16.0.**50**

The platform selects the master node and an additional virtual address is assigned to it. It must be added to the list of allowed addresses on the external service.

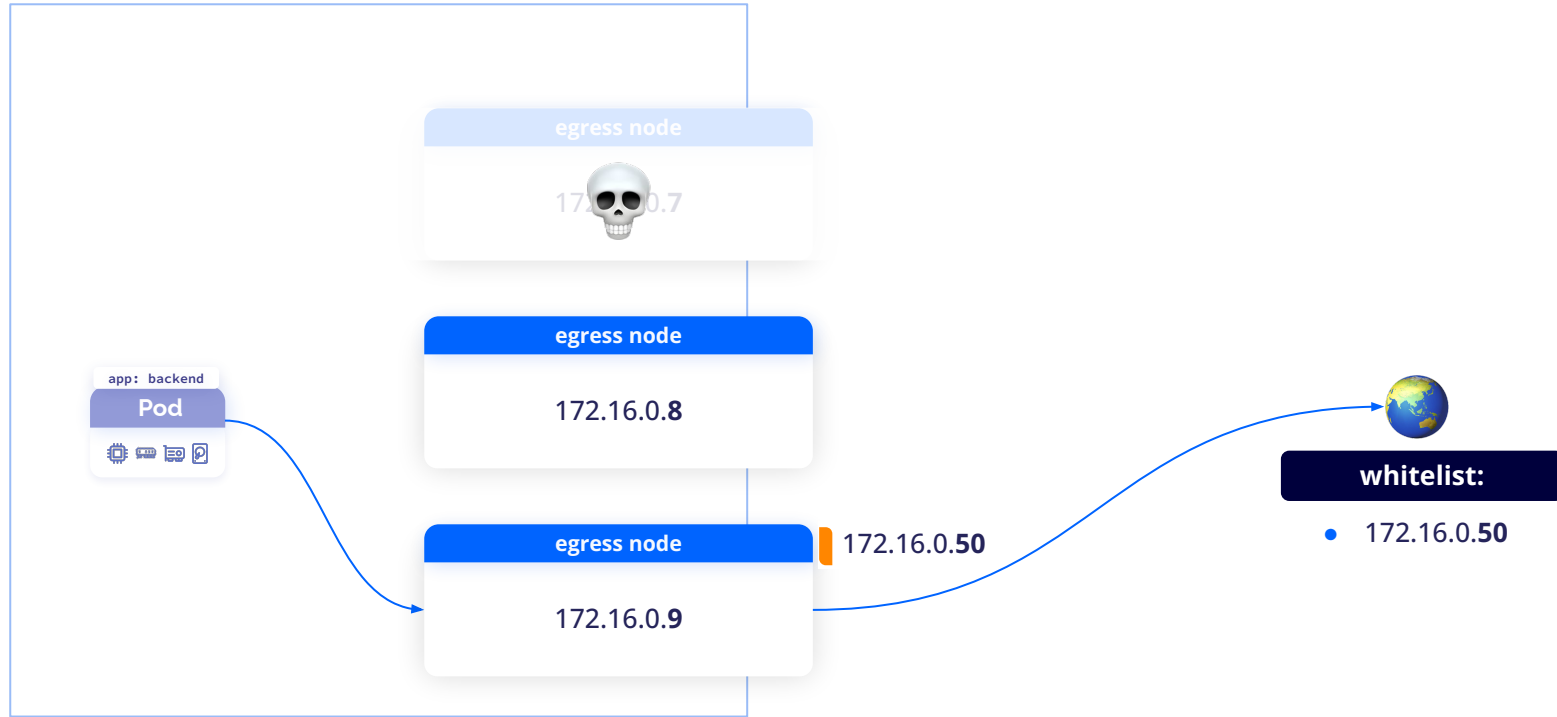# Egress gateway with Virtual IP

app: backend
Pod

egress node
172.16.0.**7**

172.16.0.**50**

egress node
172.16.0.**8**

egress node
172.16.0.**9**

whitelist:
- 172.16.0.**50**

Requests to the external service are routed through the selected master node.

Egress gateway with Virtual IP

egress node — 172.16.0.**50**

172.16.0.7 💀

egress node

172.16.0.**8**

egress node

172.16.0.**9**

app: backend
Pod

whitelist:
• 172.16.0.**50**

If the node through which the traffic is flowing fails, all current connections will be interrupted ....

Egress gateway with Virtual IP

app: backend
Pod

egress node

172.16.0.7

egress node

172.16.0.8

egress node

172.16.0.9

172.16.0.50

whitelist:

- 172.16.0.50

And a new master node will be selected and assigned the same virtual address. From an external service perspective, the client address will not change.

Egress gateway with Virtual IP
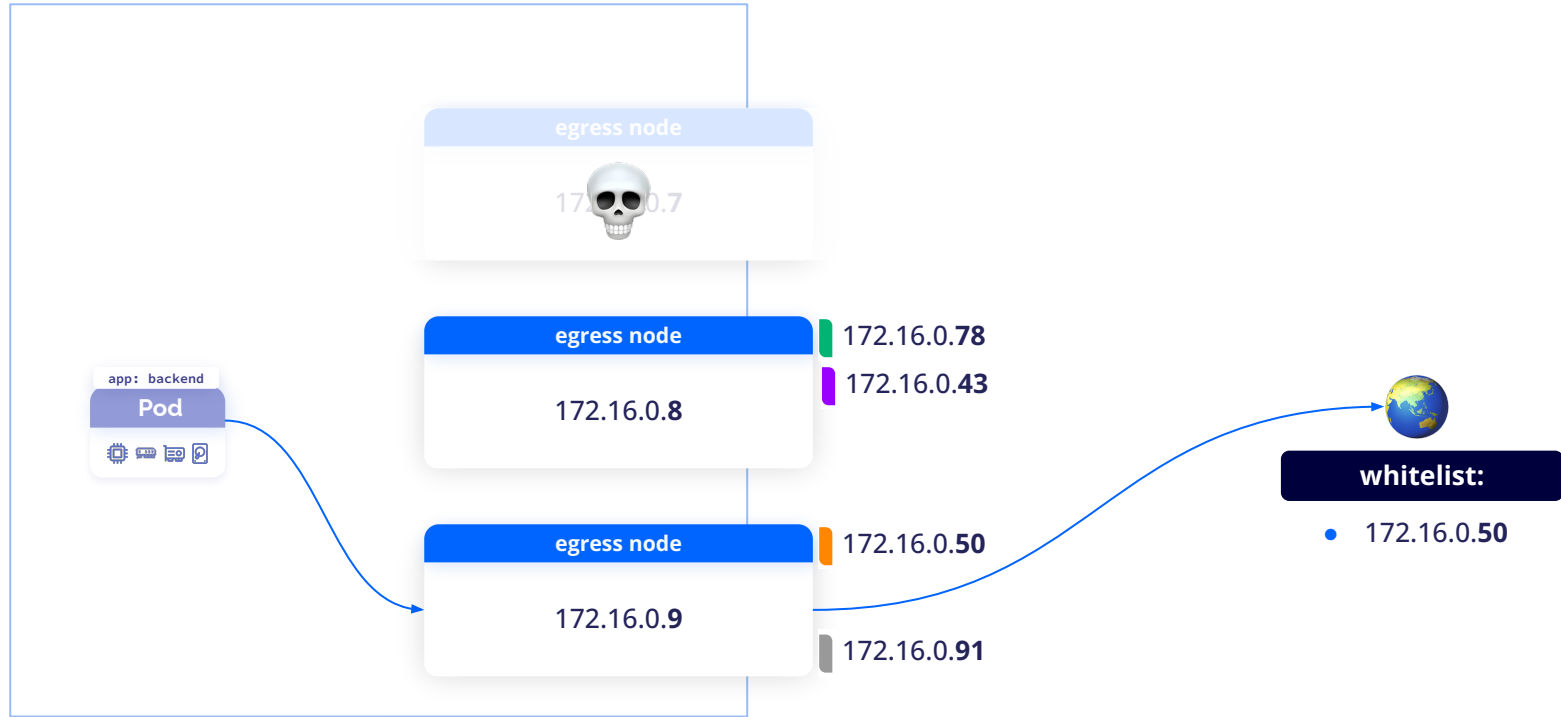
Simultaneous operation of multiple virtual addresses is supported. They will be distributed among the operable nodes.