



Deckhouse
Kubernetes Platform

Egress gateway with Virtual IP



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egress node

172.16.0.7

egress node

172.16.0.8

egress node

172.16.0.9

pod



app: backend



There is a group of dedicated nodes in the cluster through which we want to send outgoing requests.





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egress node

172.16.0.7

egress node

172.16.0.8

egress node

172.16.0.9

pod



app: backend

172.16.0.50



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.

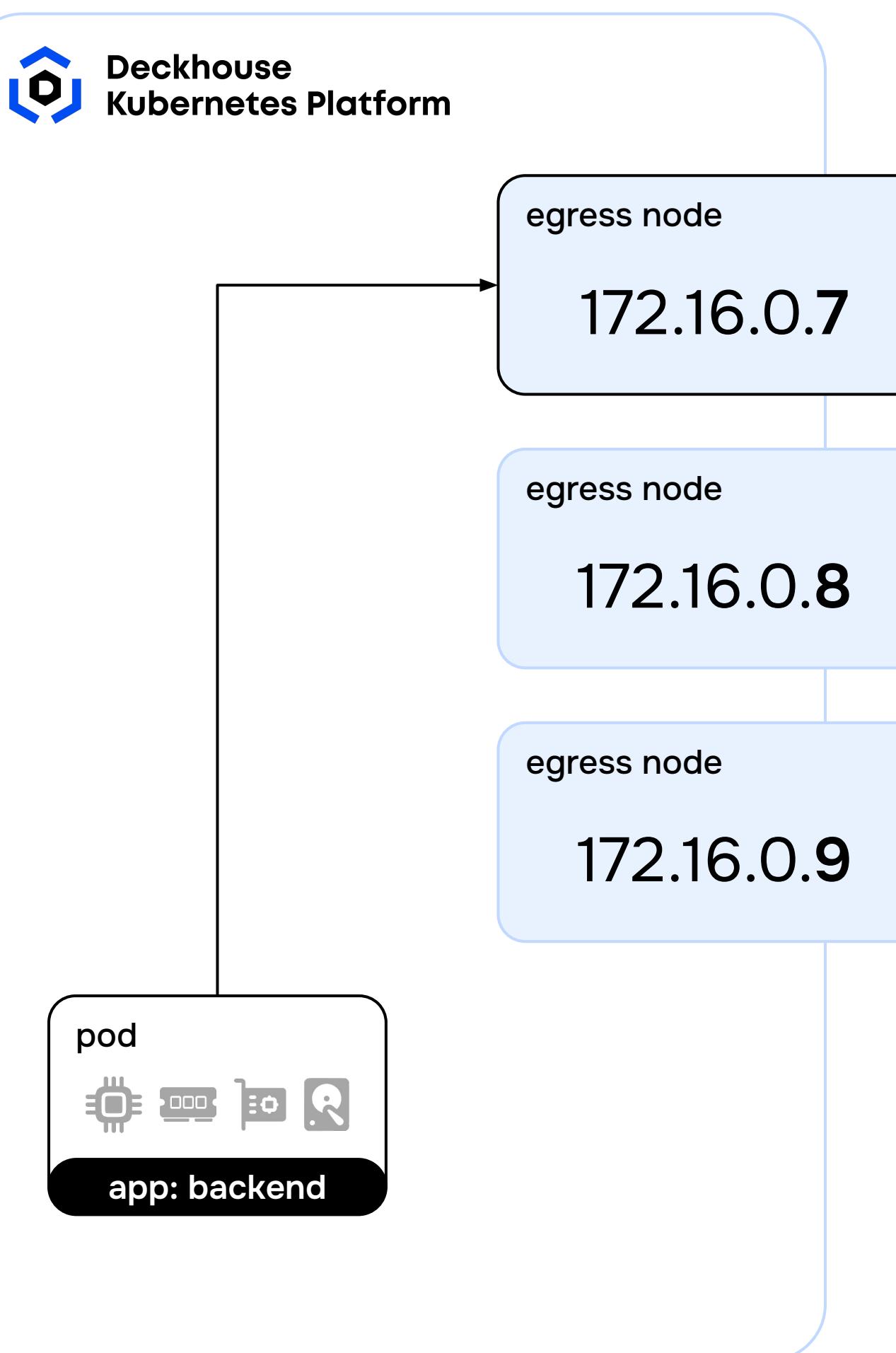
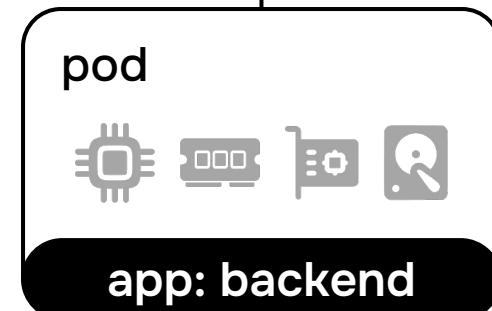




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Requests to the external service are routed through the selected master node.



172.16.0.50



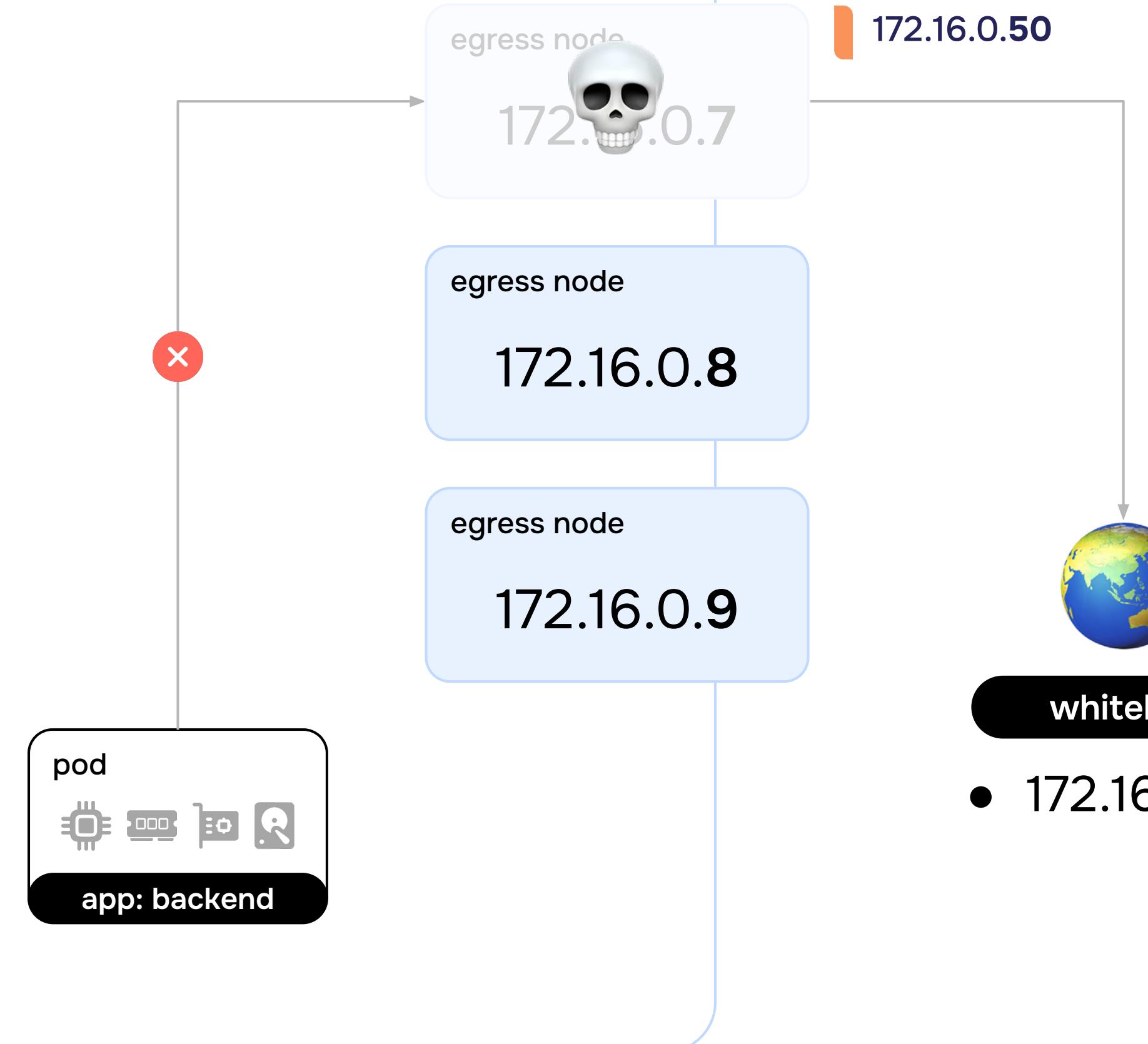
whitelist:

- 172.16.0.50



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

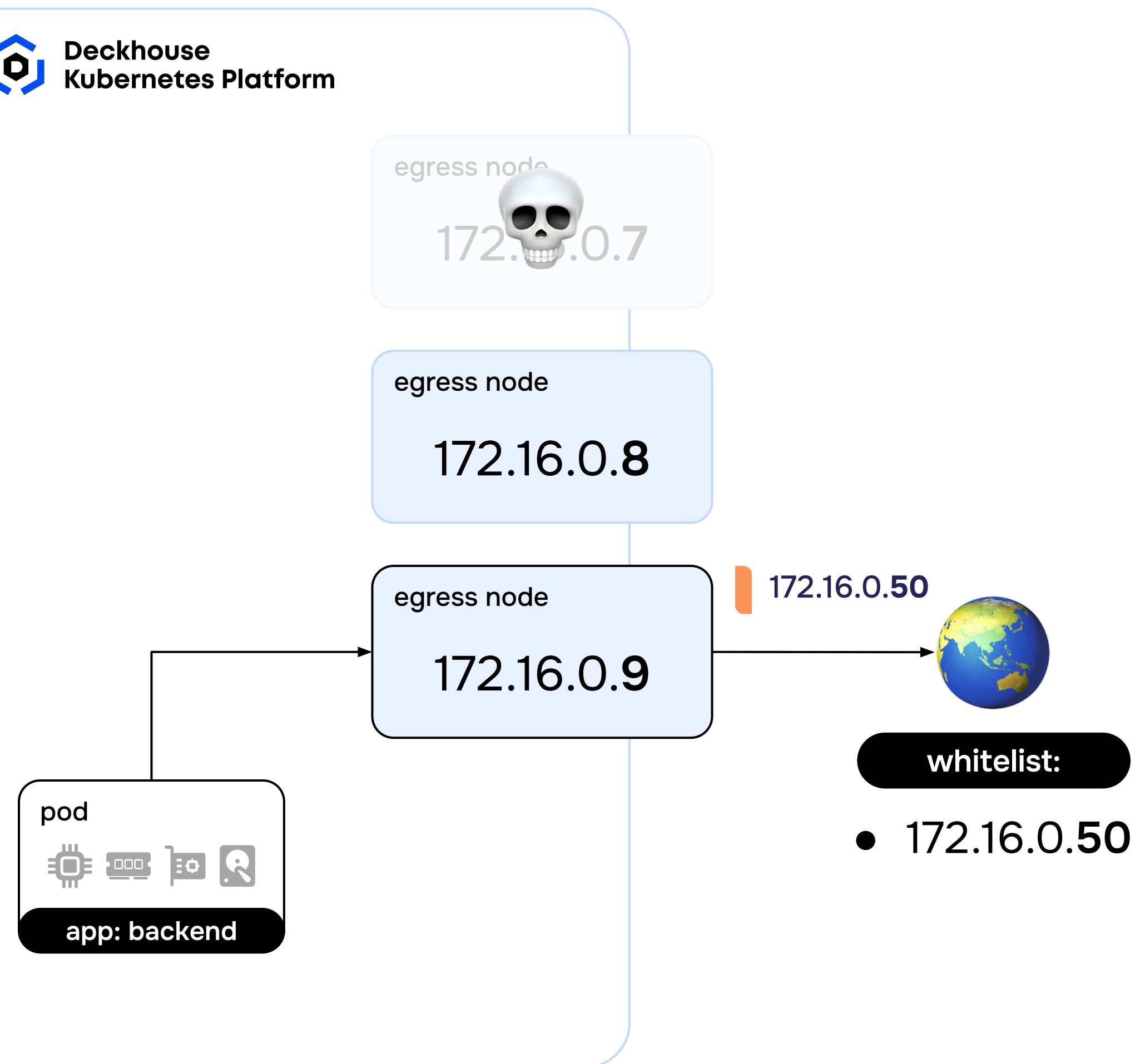




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And a new master node will be selected and assigned the same virtual address. From an external service perspective, the client address will not change.

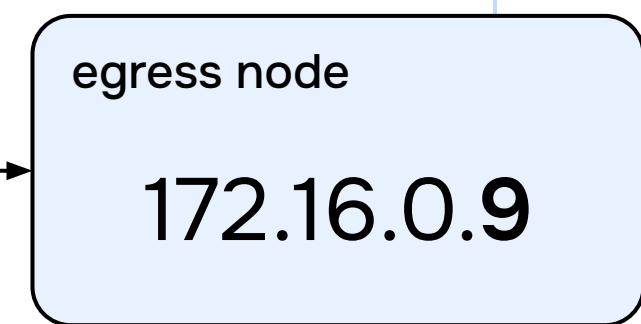
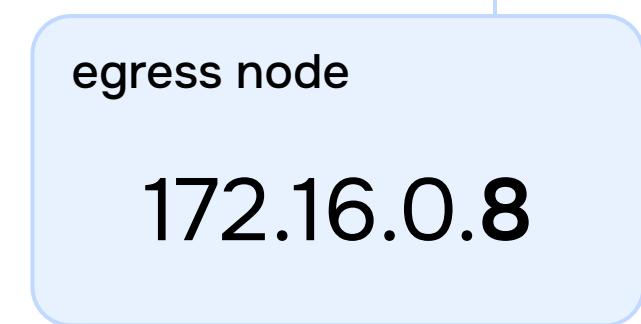
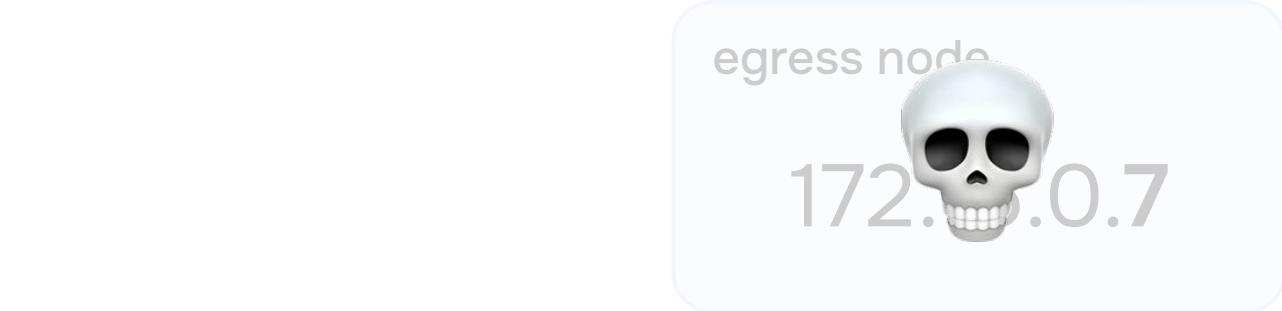




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Simultaneous operation of multiple virtual addresses is supported. They will be distributed among the operable nodes.



whitelist:

- **172.16.0.50**

172.16.0.78

172.16.0.43

172.16.0.50

172.16.0.91