Knowledge Check

What are the key principles of the Kubernetes networking model?

1/1 point (ungraded)
Select all that apply:

- [x] Every pod gets its own IP address
- [x] Containers within a pod share the pod IP address
- [x] Containers within a pod can communicate freely with each other
- [ ] Pods are in the same subnet
- [x] Pods can communicate with each other directly without NAT
- [ ] Pods are in an overlay network

- [x] Network isolation is provided by network policy
- [ ] Pods communicate with workloads outside of the cluster without NAT

✔

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✔ Correct (1/1 point)

Kubernetes supports network plugins using which APIs?

1/1 point (ungraded)
Select all that apply:

- [ ] Kubenet
- [x] CNI
- [ ] IPAM
- [ ] REST

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Kubernetes Services:

0/1 point (ungraded)
Select all that apply:

- [x] Can be thought of as a virtual load balancer built into the pod network
- [x] Normally use label selectors to define which pods belong to a Service
- [ ] Are discoverable by pods through the Kubernetes DNS service
- [ ] Allow pods to communicate with each other without NAT
- [ ] May include external load balancers

✖

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Calico can be installed:

1/1 point (ungraded)
Select all that apply:

- [x] As part of hosted Kubernetes platform (e.g. EKS, AKS, GKE, IKS)
- [x] As part of a kubernetes distro or installer (e.g. kops, kubespray, microk8s, etc)
- [x] Using YAML manifests
- [x] Using the Tigera Calico operator

✔

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