



QLF

NETWORKING

Virtual Technical Meetings

Kubernetes Usage in Telecommunications

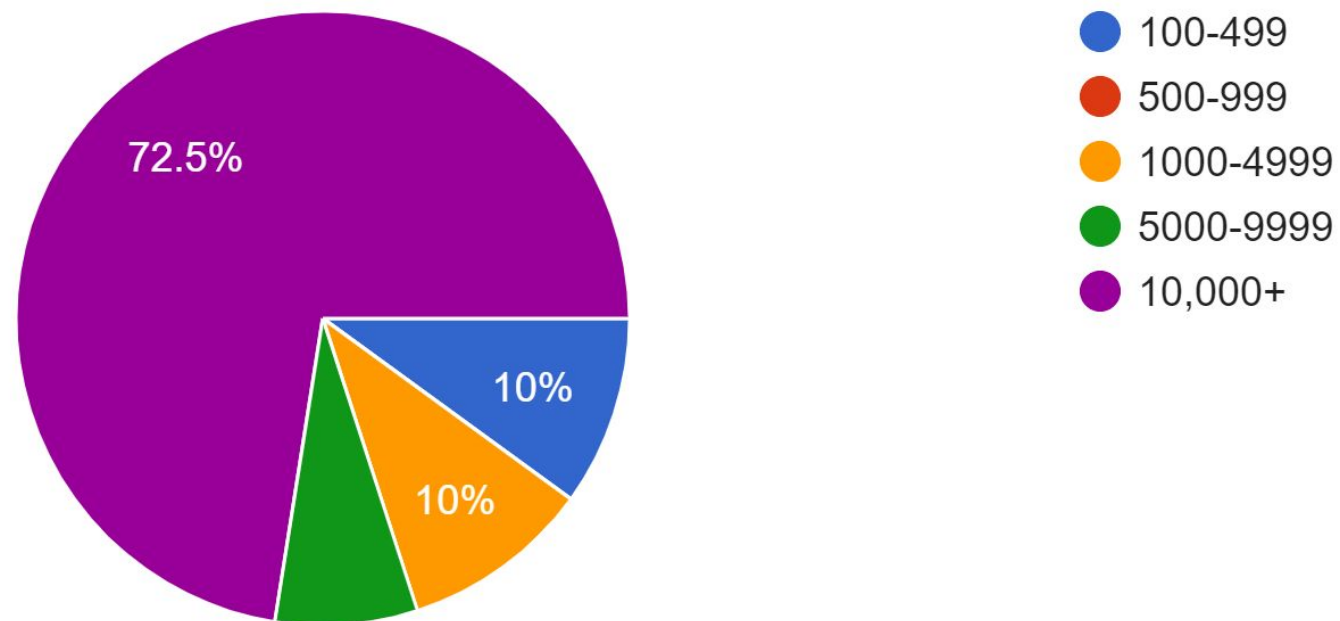
Bill Mulligan

Survey Demographics

Company Size - Large

How many employees are in your organization?

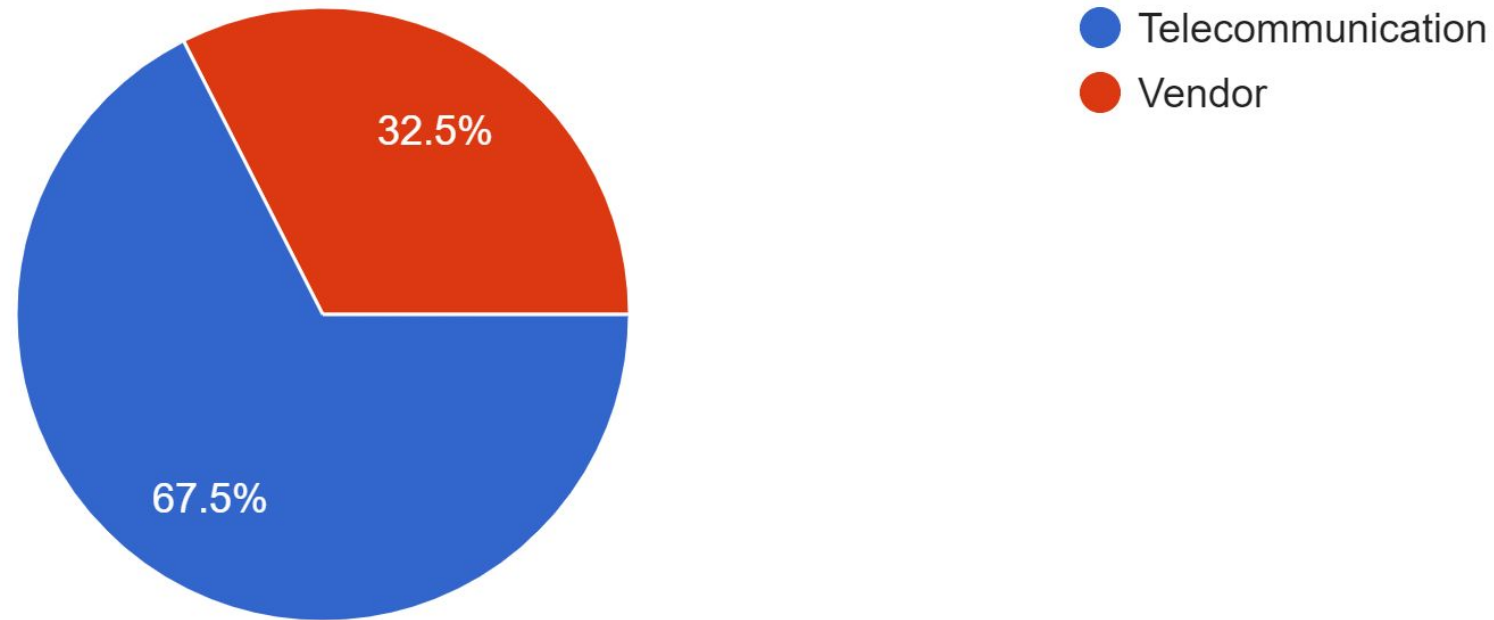
40 responses



More Telco than Vendor

What type of company do you work for?

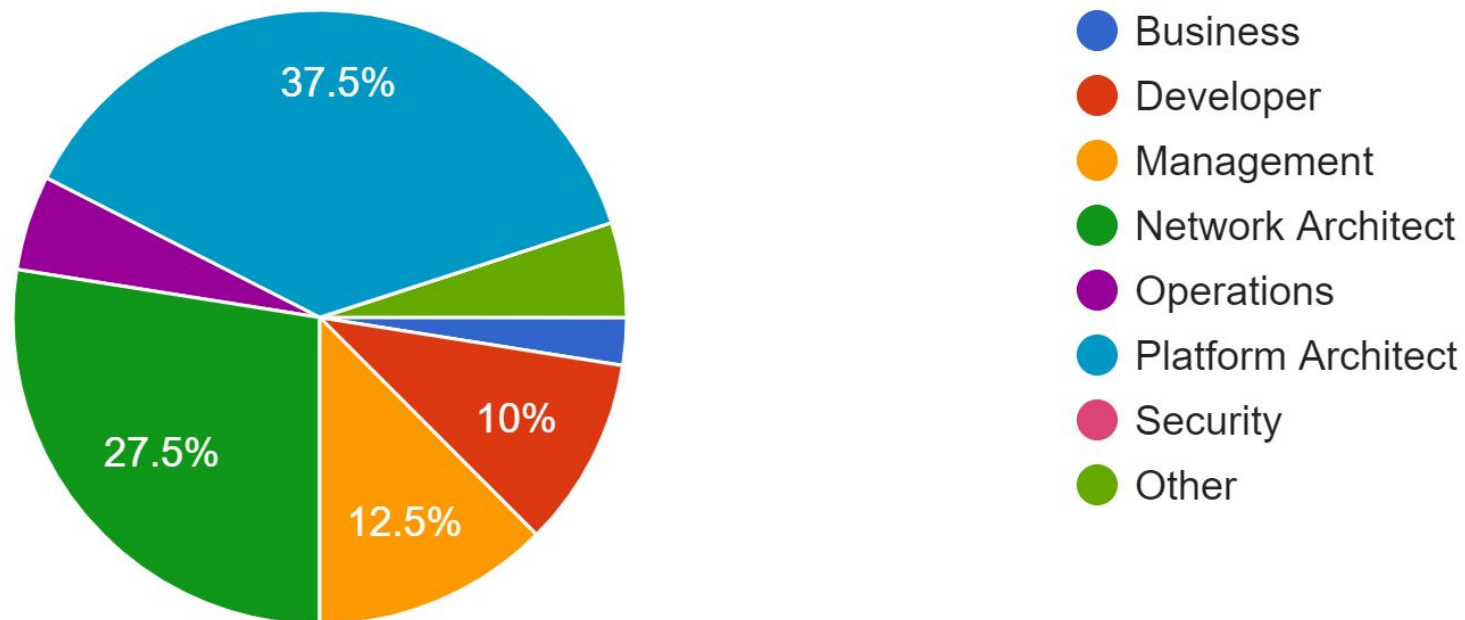
40 responses



Network and Platform Architects

What is your current role?

40 responses

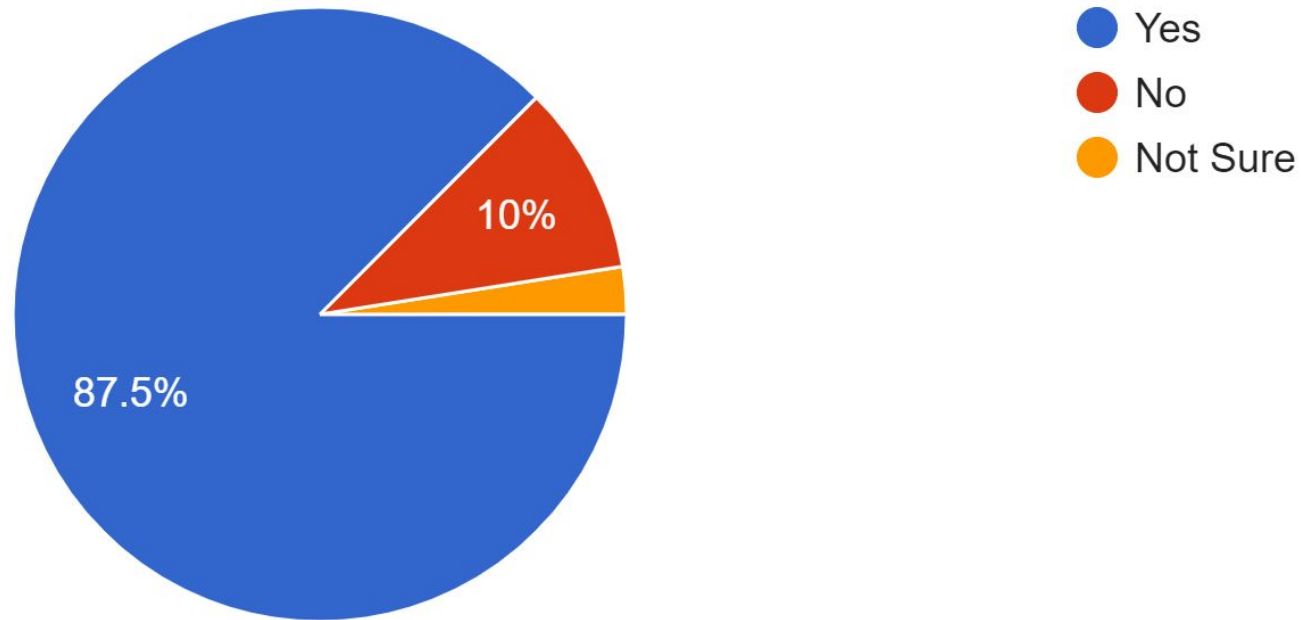


Kubernetes Usage

Kubernetes Widely Used

Are you currently running Kubernetes in any environment?

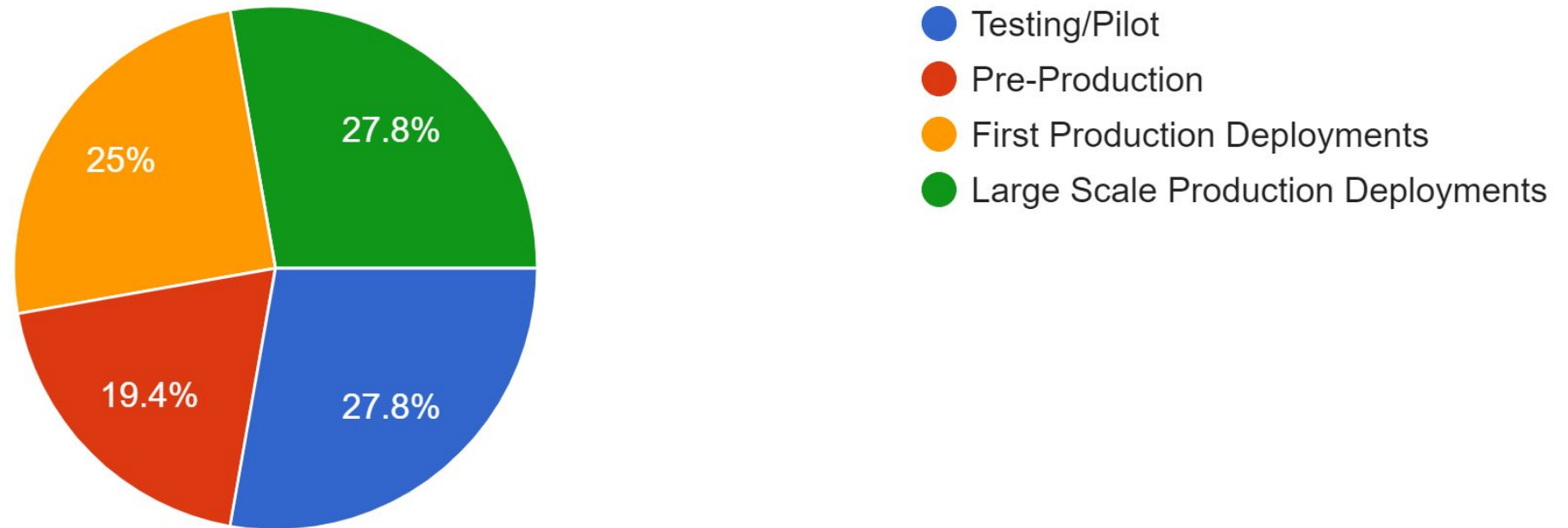
40 responses



>50% in Production Today

What level of adoption does Kubernetes have?

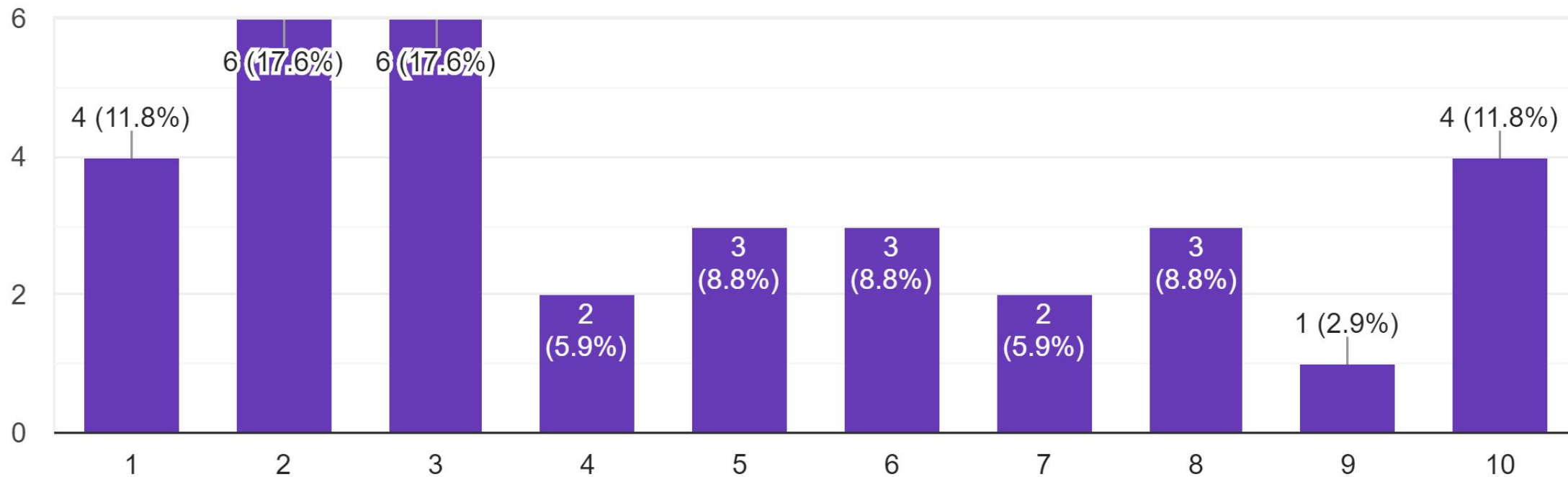
36 responses



Small % of Total Workloads

What percentage of your workloads currently run on Kubernetes?

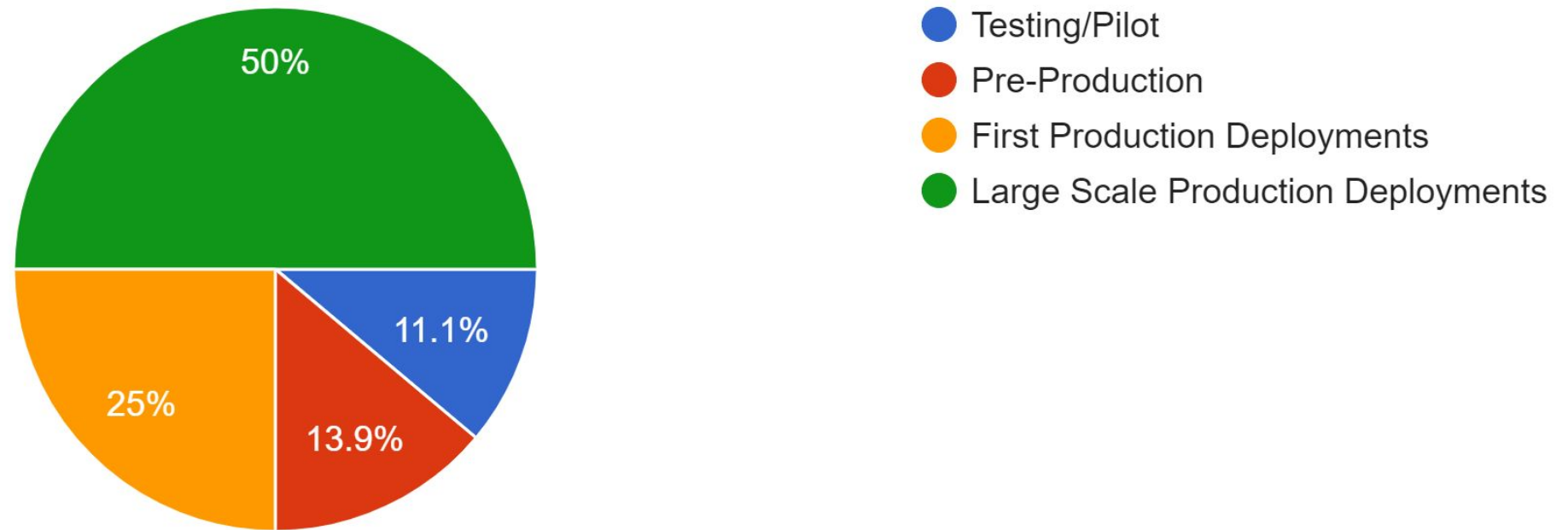
34 responses



Large Scale Production in 2021

What level of adoption do you expect Kubernetes have by July 2021?

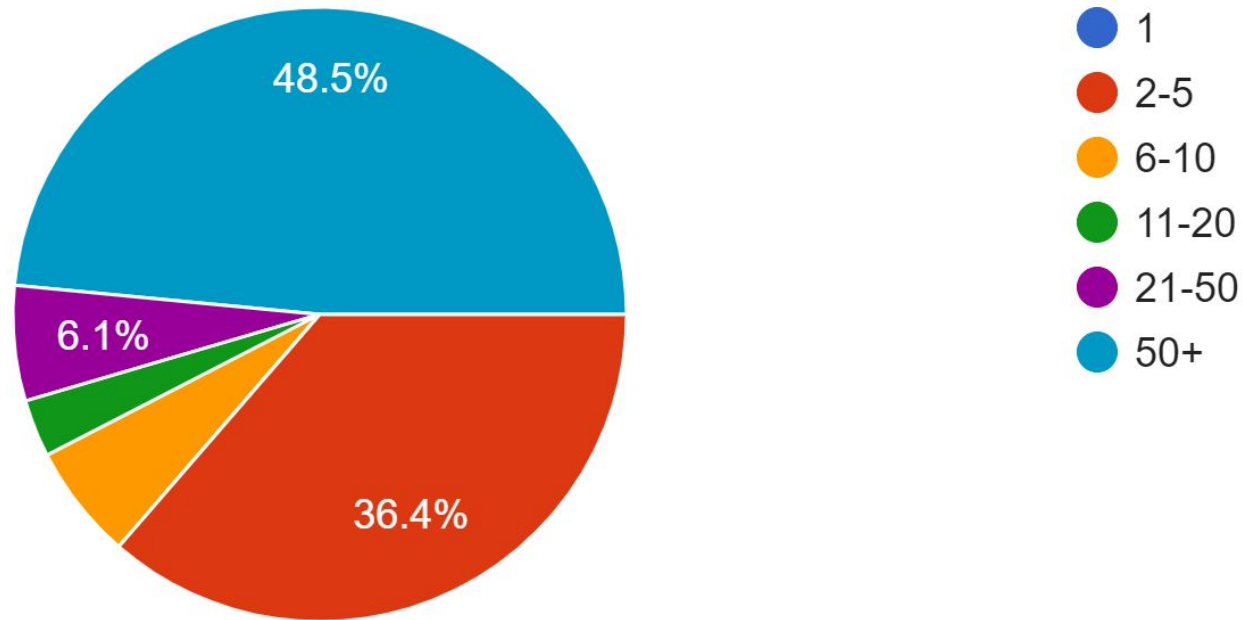
36 responses



Many Clusters (50+)

How many clusters do you have?

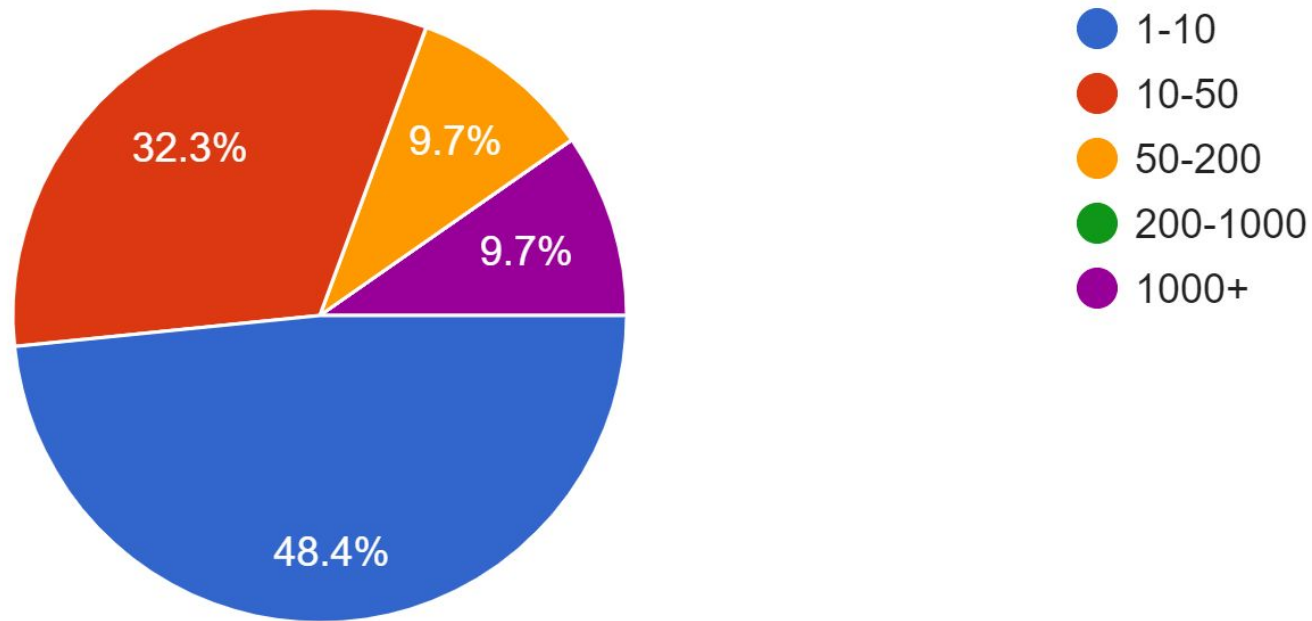
33 responses



But Smaller (<50 nodes/cluster)

How many nodes does your average cluster have?

31 responses

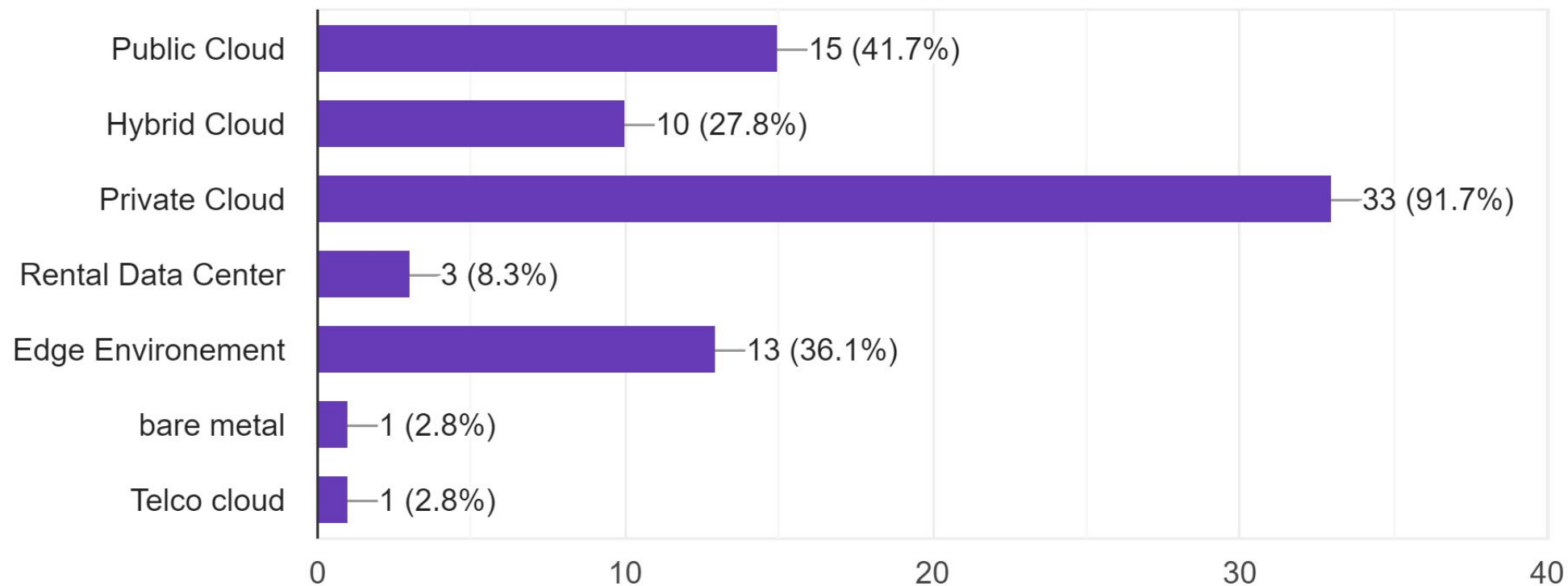


How do we run Kubernetes?

Majority outside Public Cloud

Where are you running Kubernetes? (check all that apply)

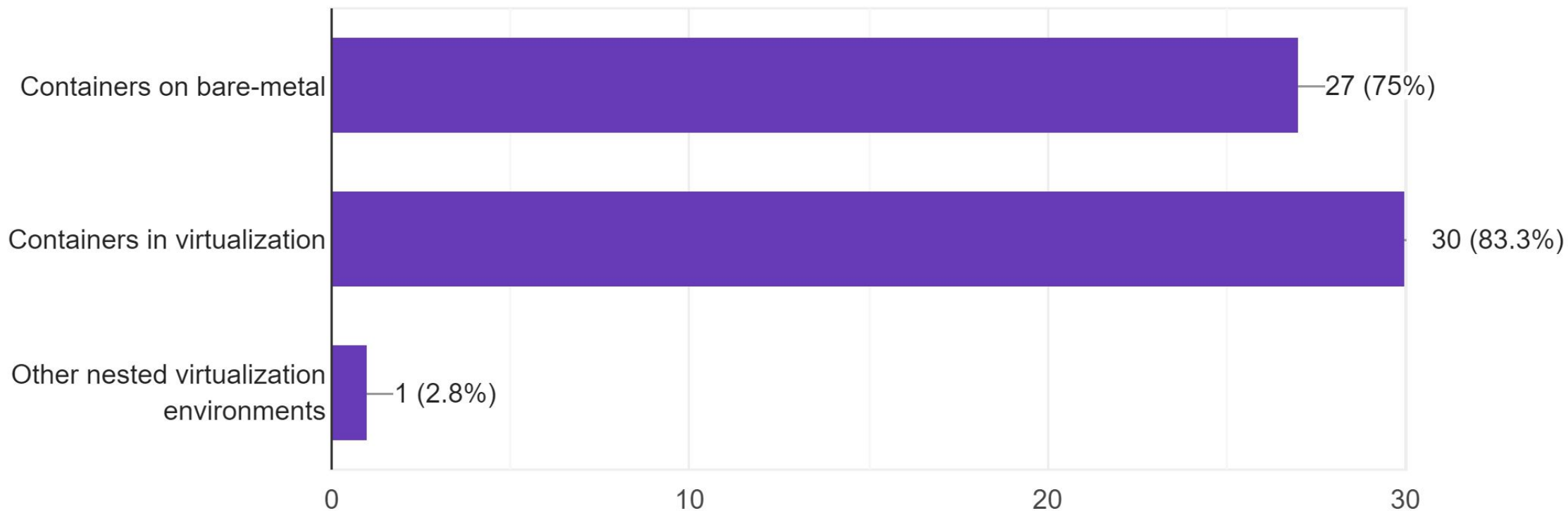
36 responses



On Bare Metal & Virtual Servers

What type of environments are you running Kubernetes? (check all that apply)

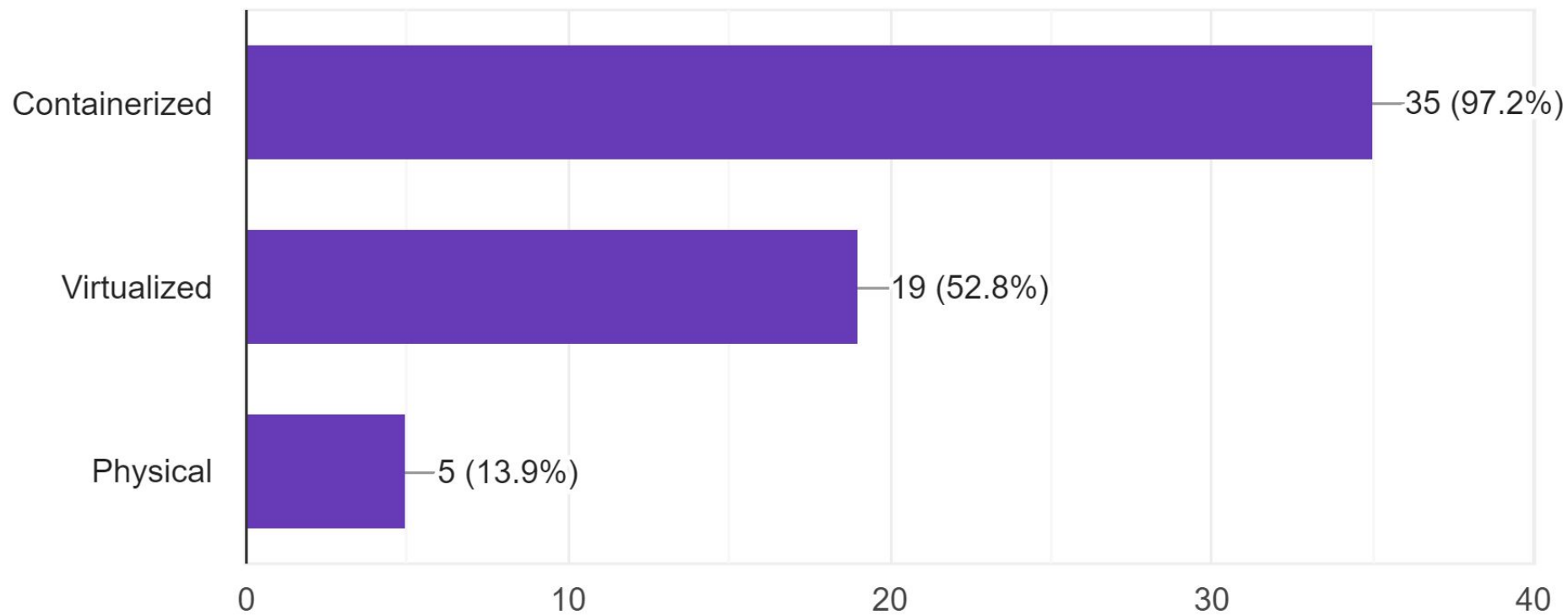
36 responses



Virtual Workloads on K8s also

What type of workloads do you plan to run on Kubernetes?

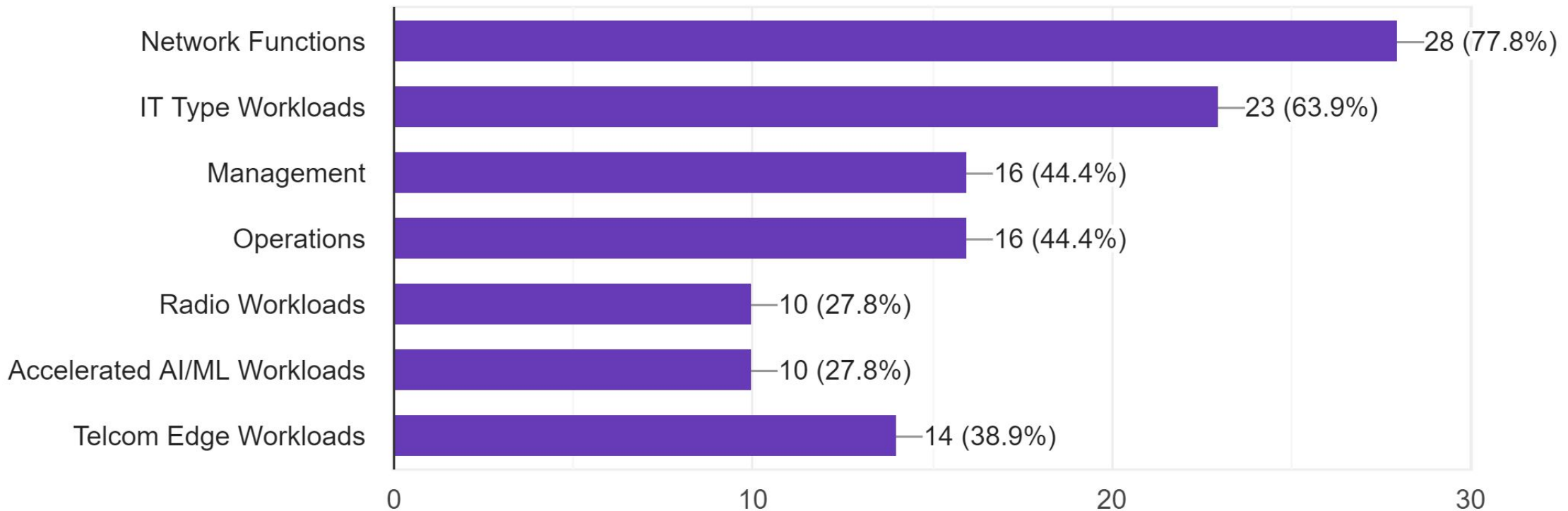
36 responses



Already Running the Network

What type of workloads are you currently running on Kubernetes?

36 responses

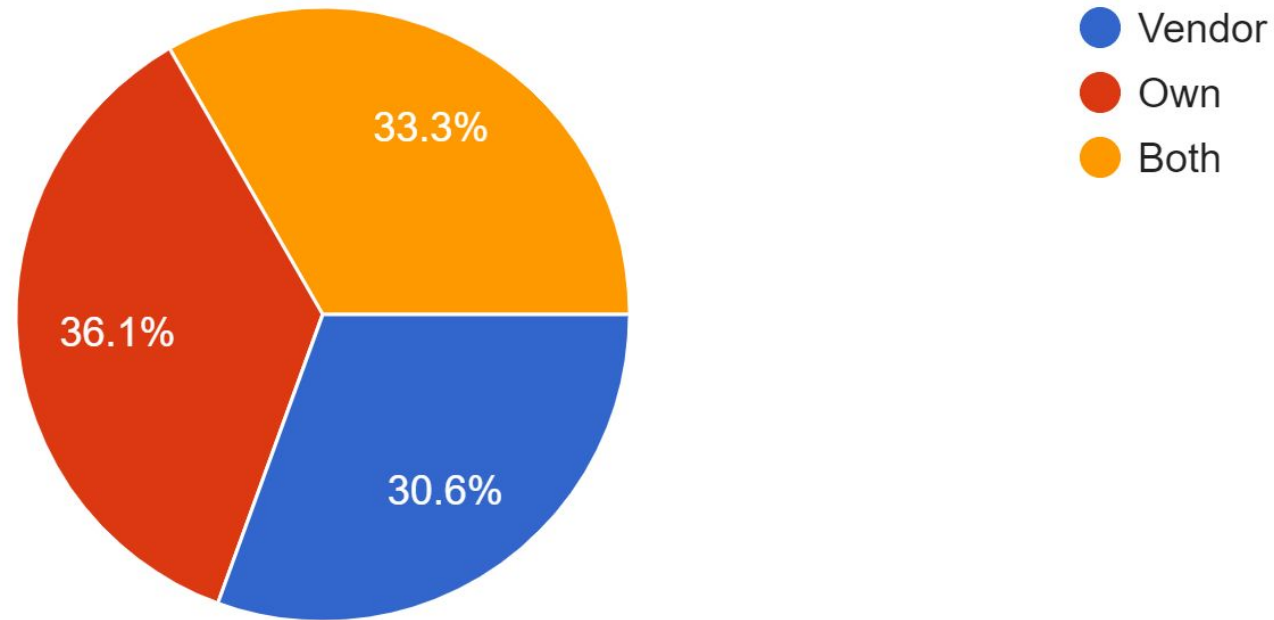


How will Kubernetes be deployed?

Majority will use a Vendor

Do you plan to use a vendor implementation or run your own Kubernetes infrastructure?

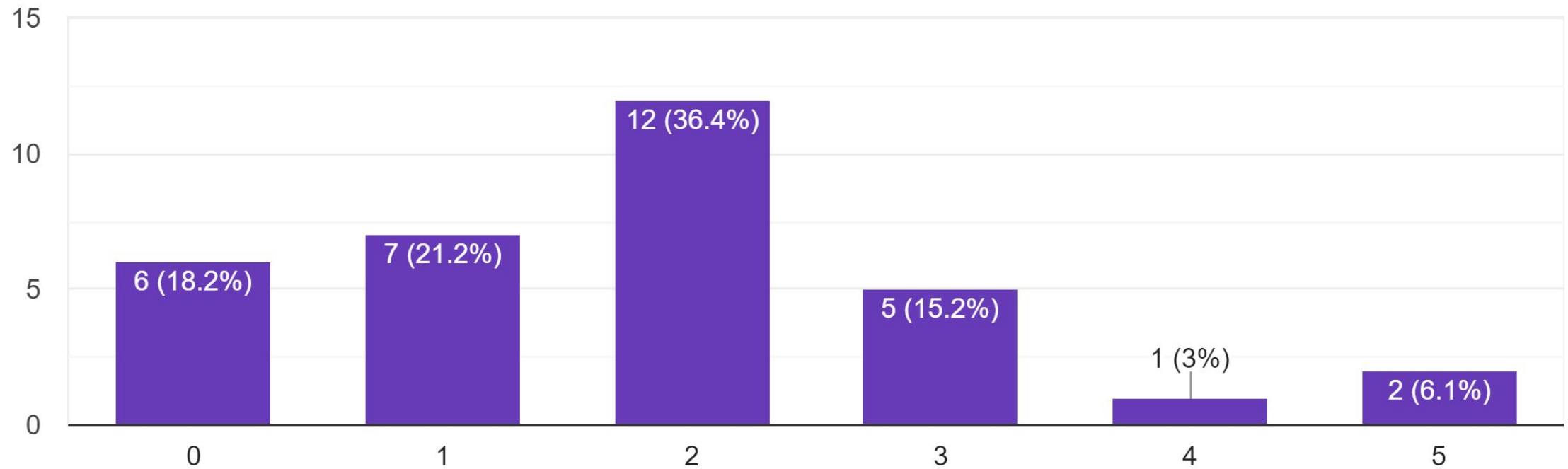
36 responses



Usually More than One Vendor

How many vendors do you plan to use for your Kubernetes infrastructure?

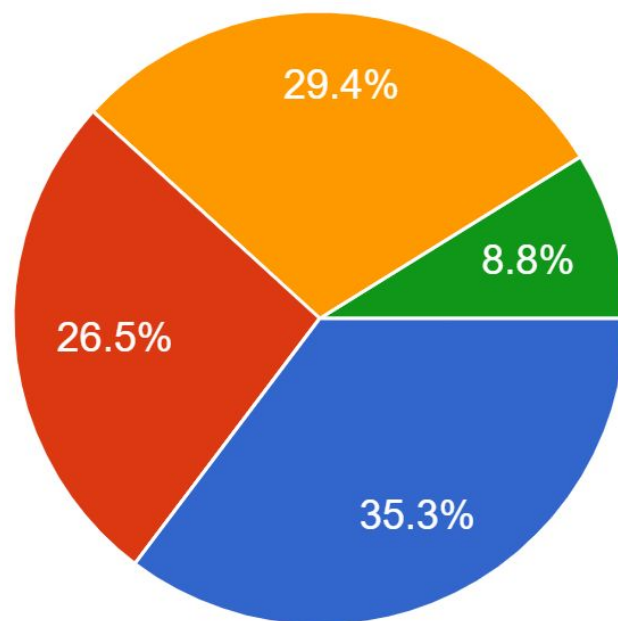
33 responses



RA2 Not Widely Adopted Yet

Do you plan to use CNTT RA2 as a basis of the requirements for your infrastructure?

34 responses



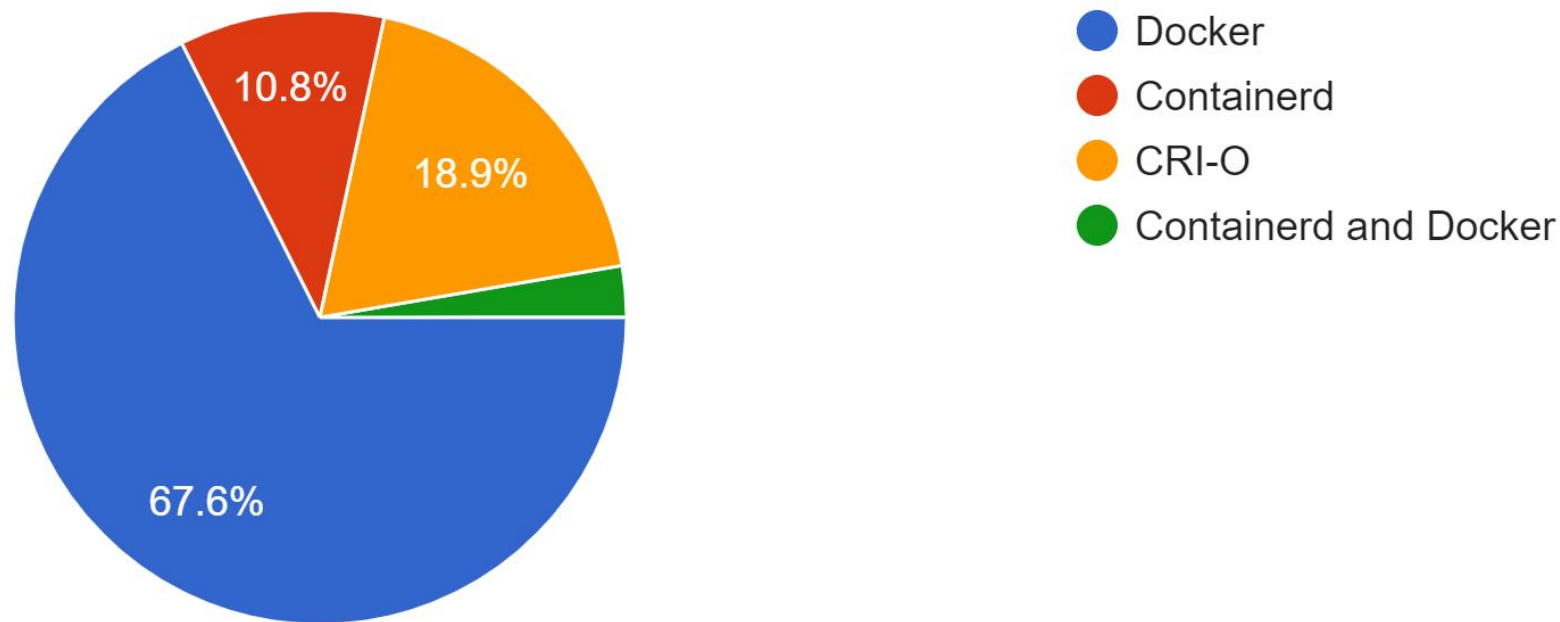
- Yes
- No
- Heard of it but don't know what it is
- Haven't heard of it

Workloads on Kubernetes

Docker Still Dominates

Which Container Runtimes are you using

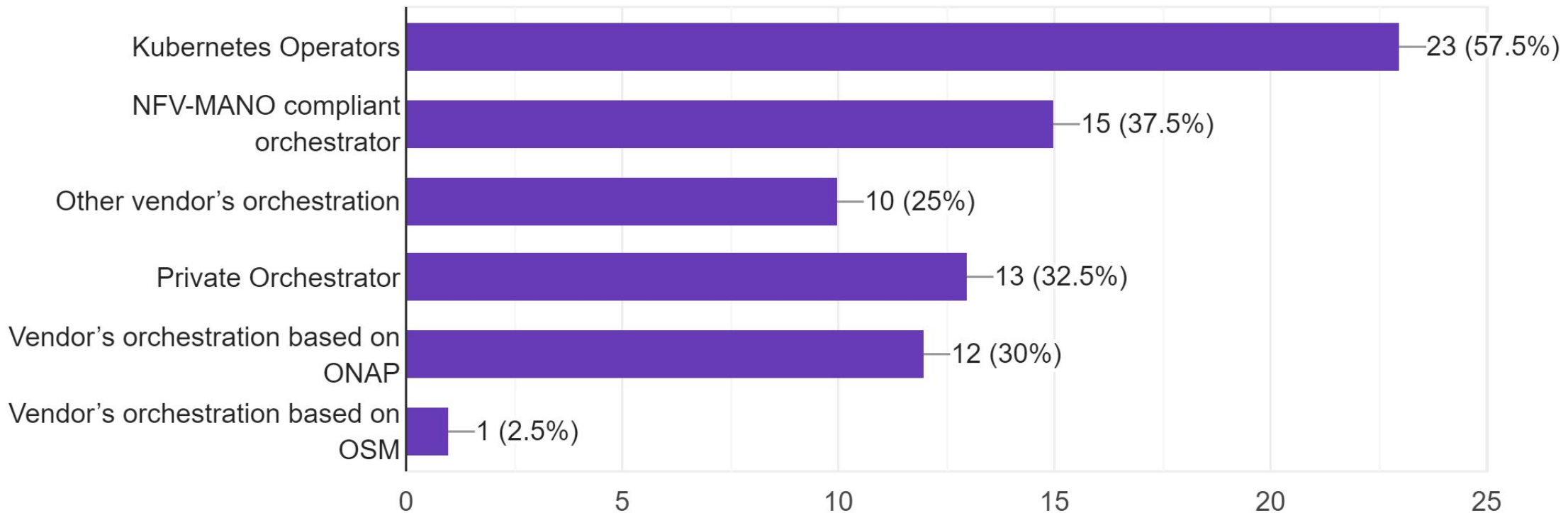
37 responses



Operators Lead Orchestration

How are you deploying and managing your workloads? (check all that apply)

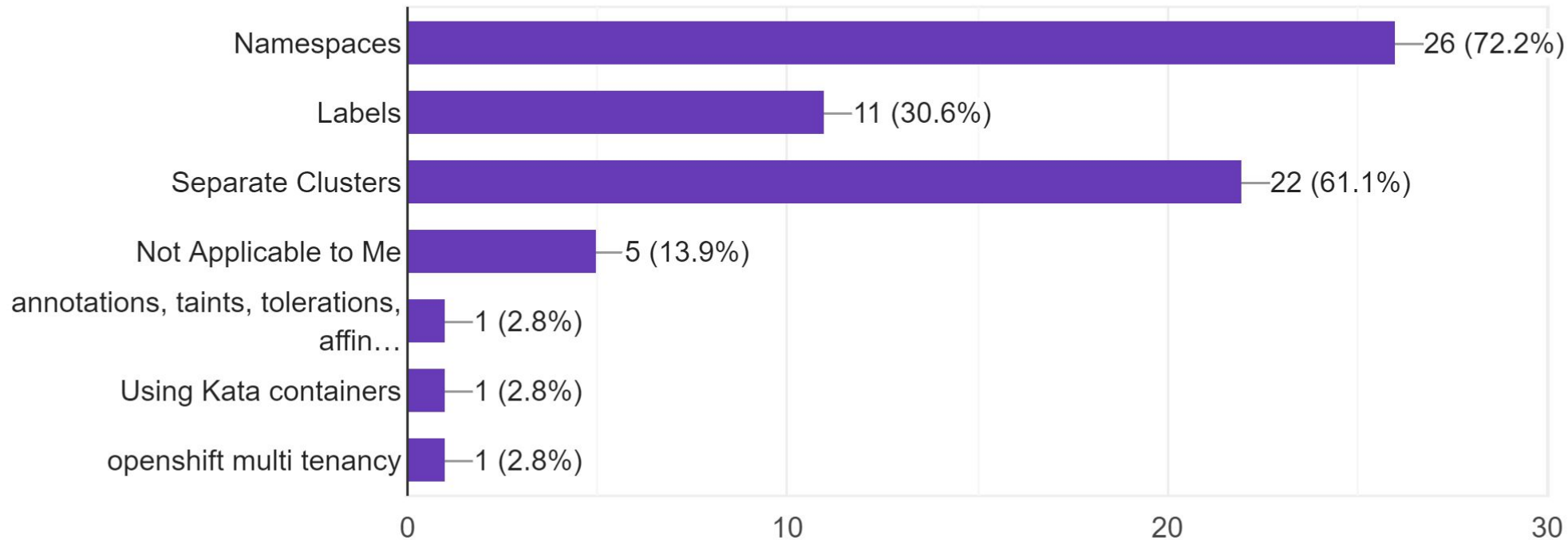
40 responses



Namespace or Cluster Isolation

How do you currently, or plan, to separate Kubernetes Applications from different teams or vendors? (check all that apply)

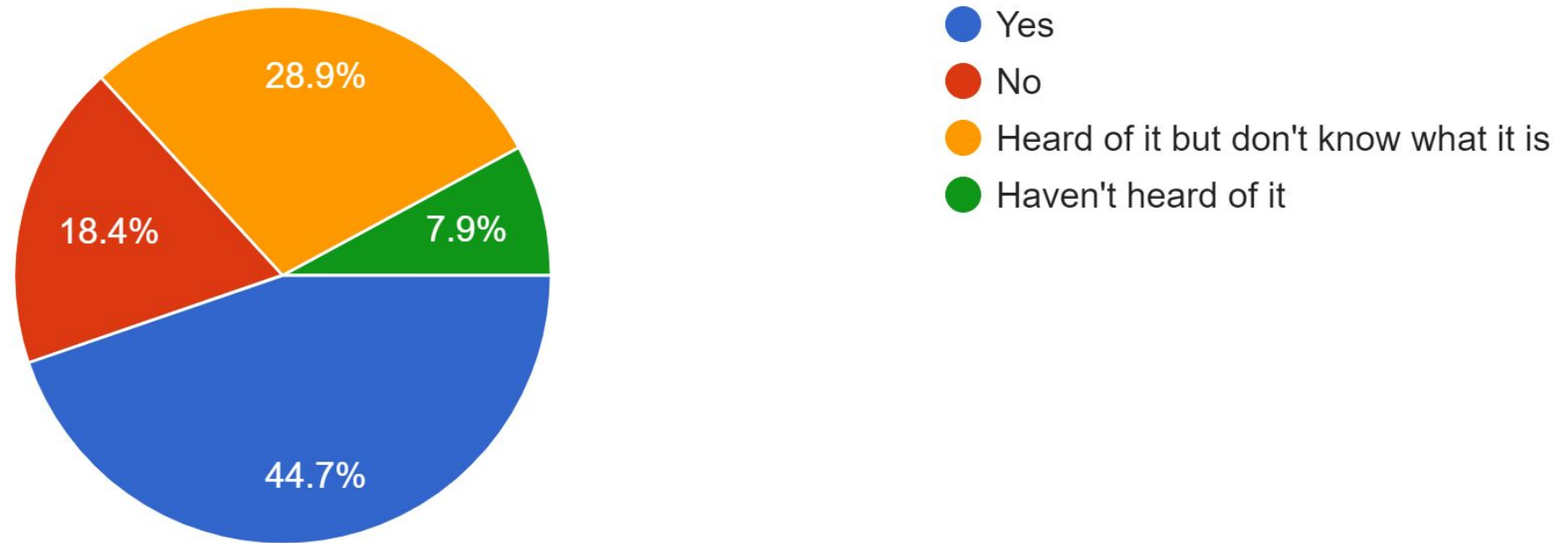
36 responses



RA2 CNFs Reqs Important

Do you plan to use CNTT RA2 as a basis of the requirements for your selection/use of CNFs?

38 responses

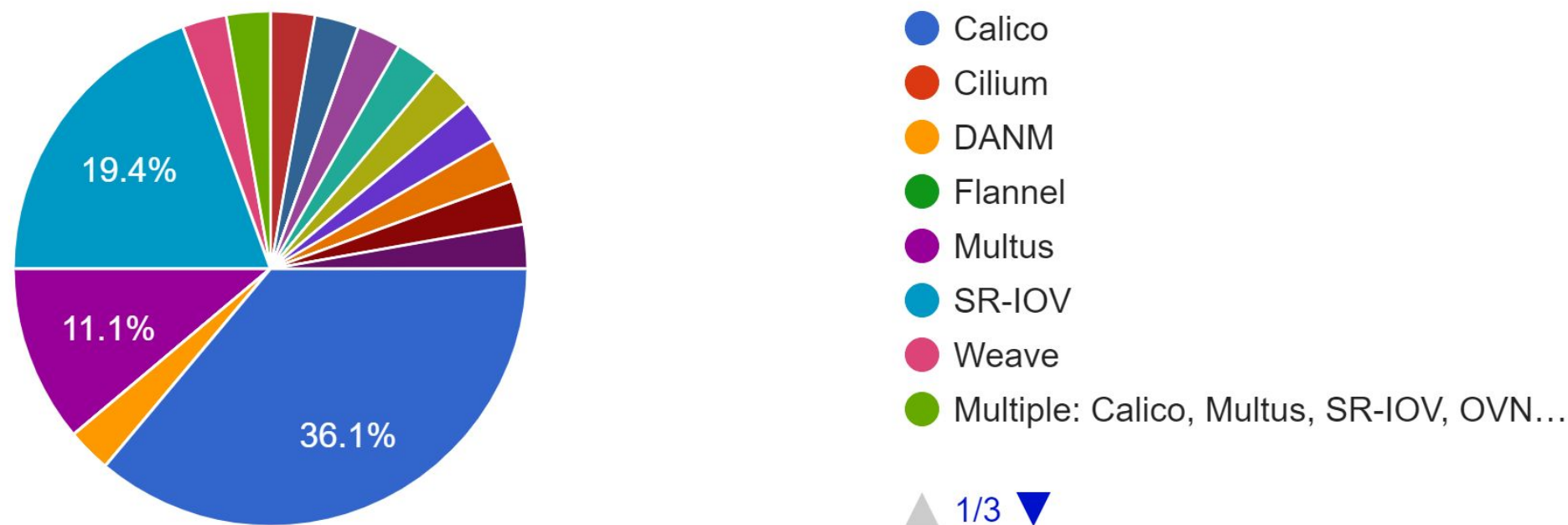


Technical Considerations

Networking Divided Market

Which CNI plug-ins or Kubernetes networking solutions are you using?

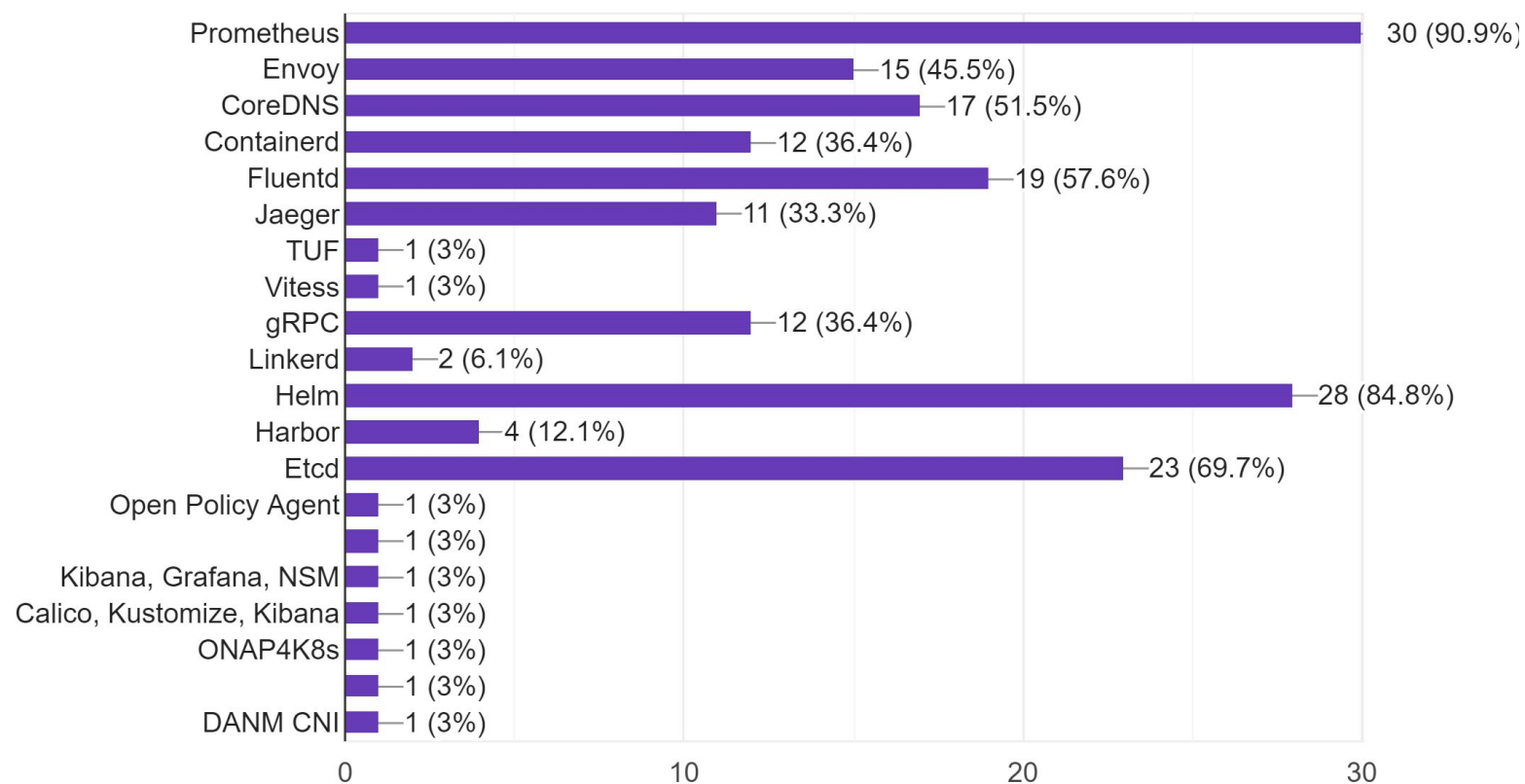
36 responses



Graduated Projects Used

What other CNCF technologies are you using with your Kubernetes deployments?

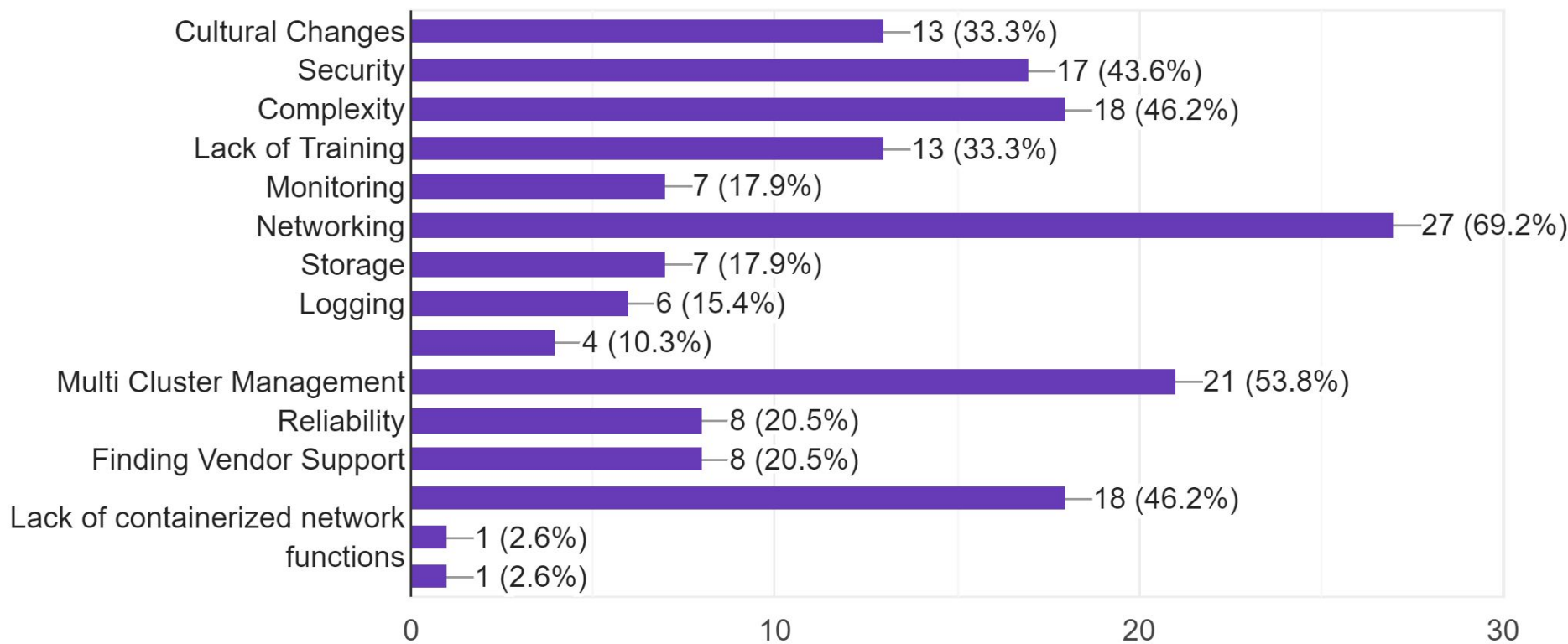
33 responses



Many Adoption Challenges

What are your largest challenges with adopting Kubernetes?

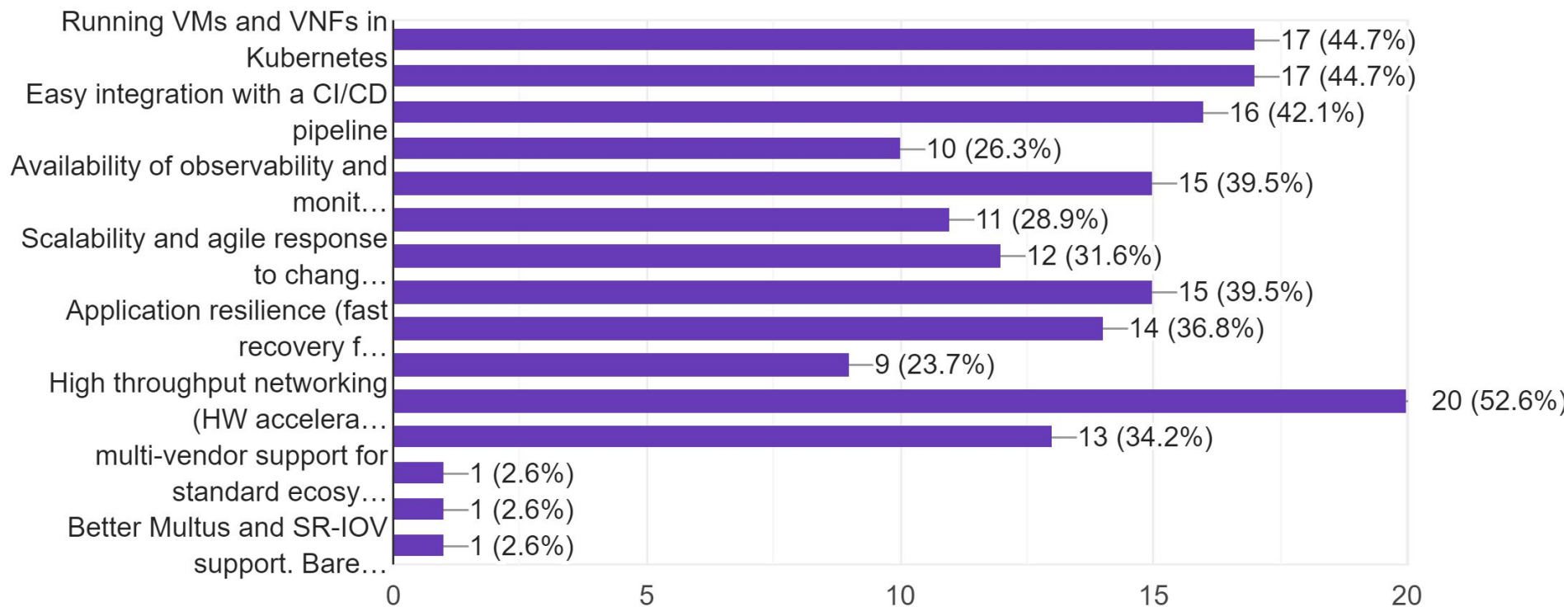
39 responses



Performance and VNFs Critical

What would be the most important features you are looking to see in a Kubernetes based platform?

38 responses



Integration & Version Problems

What are the biggest application portability issues your company faced with?

35 responses

