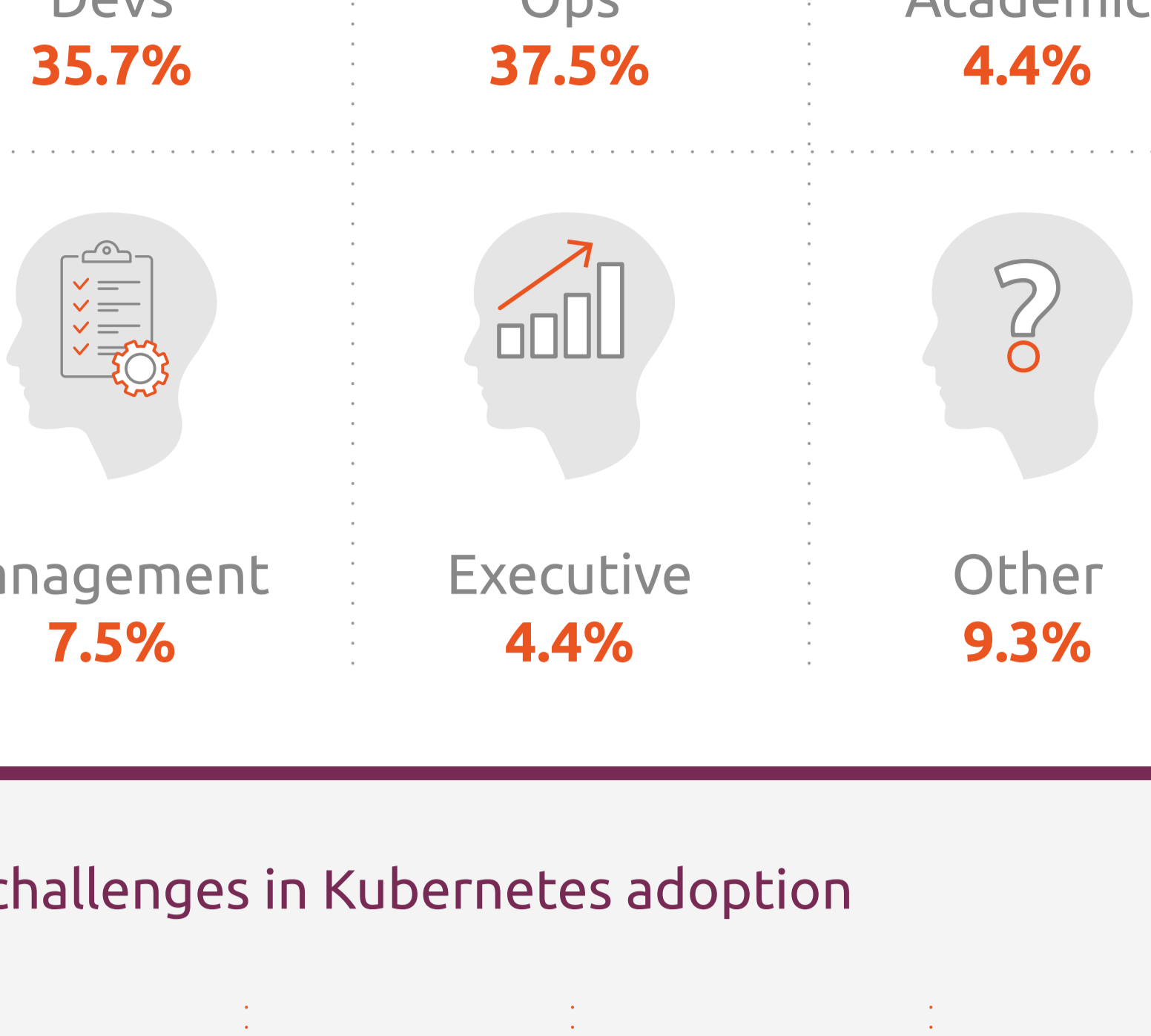


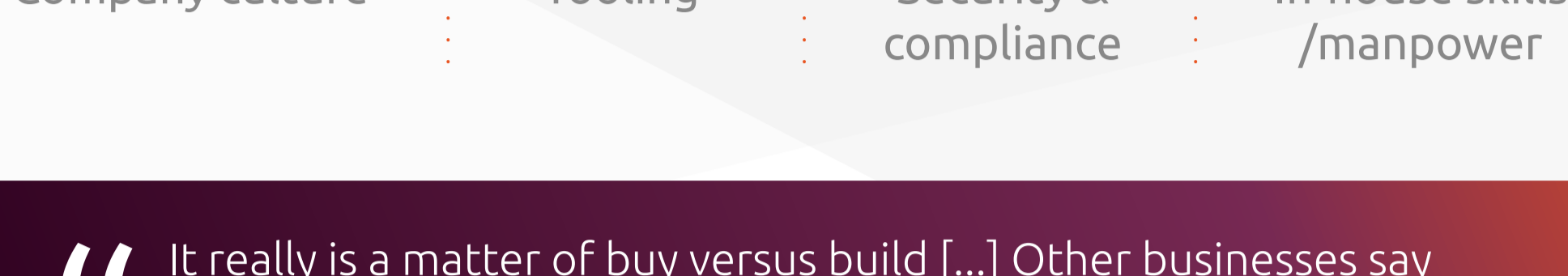
Kubernetes and cloud native operations report

We asked 1200 respondents from the Kubernetes and cloud native community how they are using the technology, what challenges they face and what are their future plans. Then we had 7 industry experts analyse the results. Let's take a look at the most interesting findings.

Who uses/is interested in Kubernetes and cloud native technologies



Main challenges in Kubernetes adoption



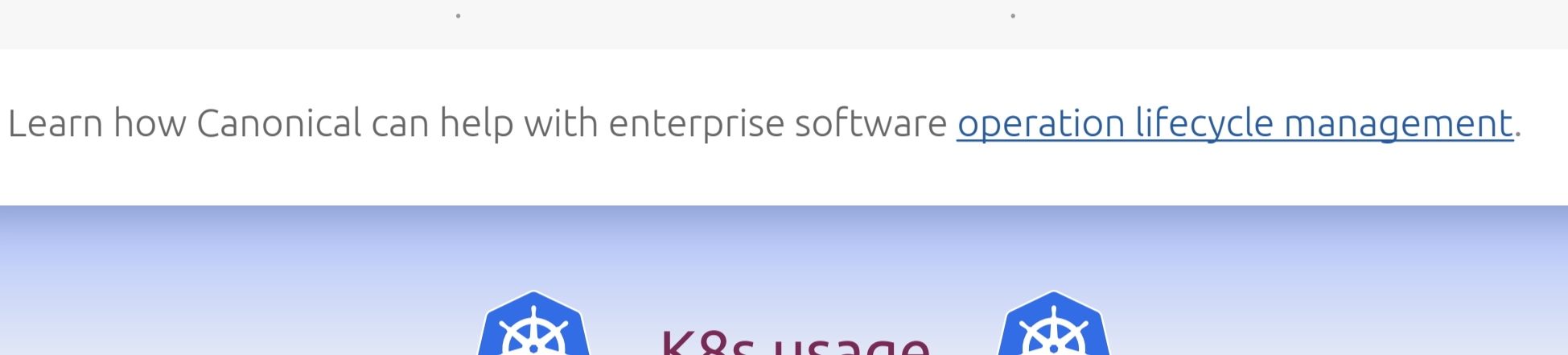
“ It really is a matter of buy versus build [...] Other businesses say ‘We’re not in the business of Kubernetes, we just want the benefits’. In the end, developer teams don't really see a difference. ”

–Michael Hausenblas, Solution Engineering Lead, AWS

Only want the benefits of K8s? Use [Canonical Kubernetes services](#).

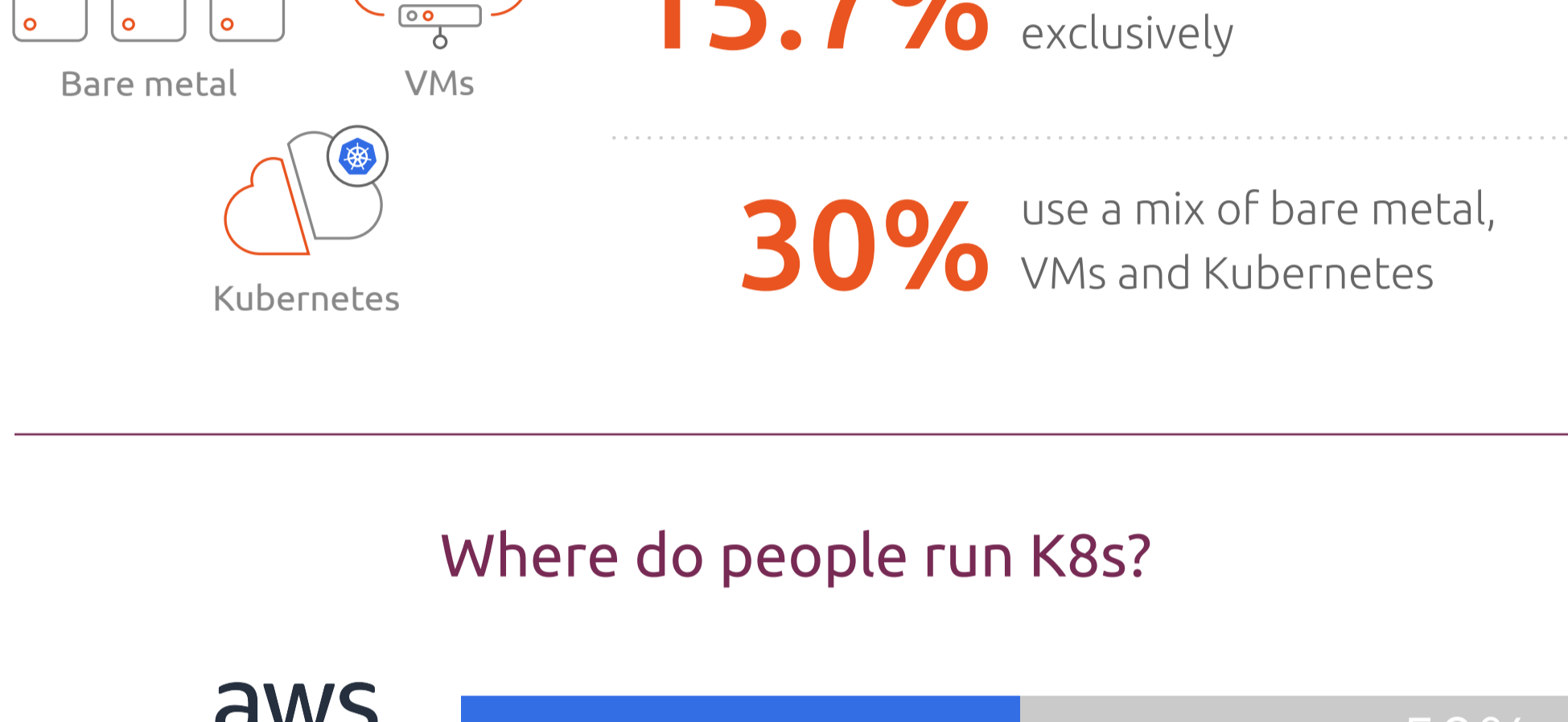
Maturity of Kubernetes in the enterprise

The ecosystem and its users have yet to cross the chasm of full enterprise adoption.

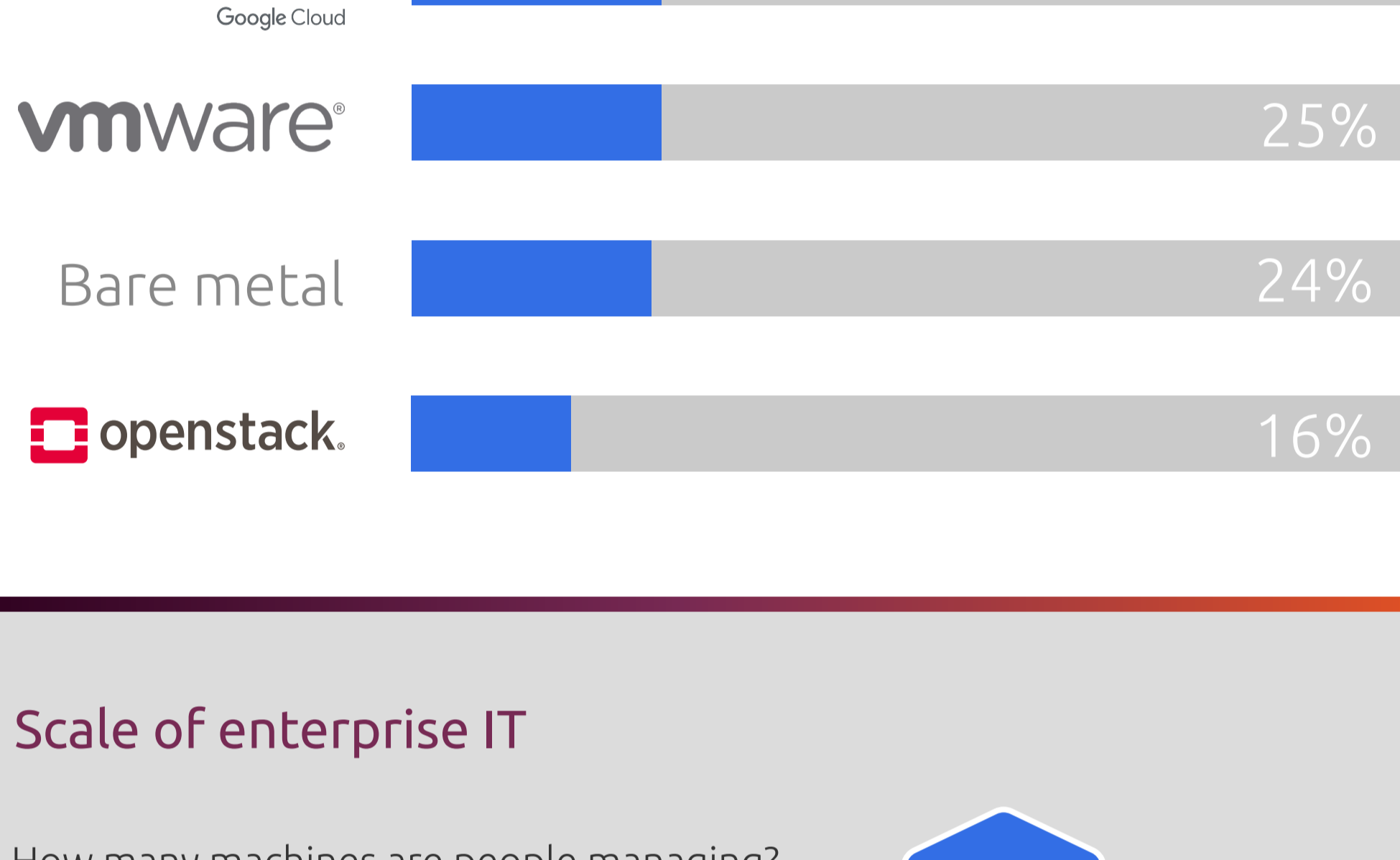


Learn how Canonical can help with enterprise software [operation lifecycle management](#).

K8s usage



Where do people run K8s?



Scale of enterprise IT

How many machines are people managing?

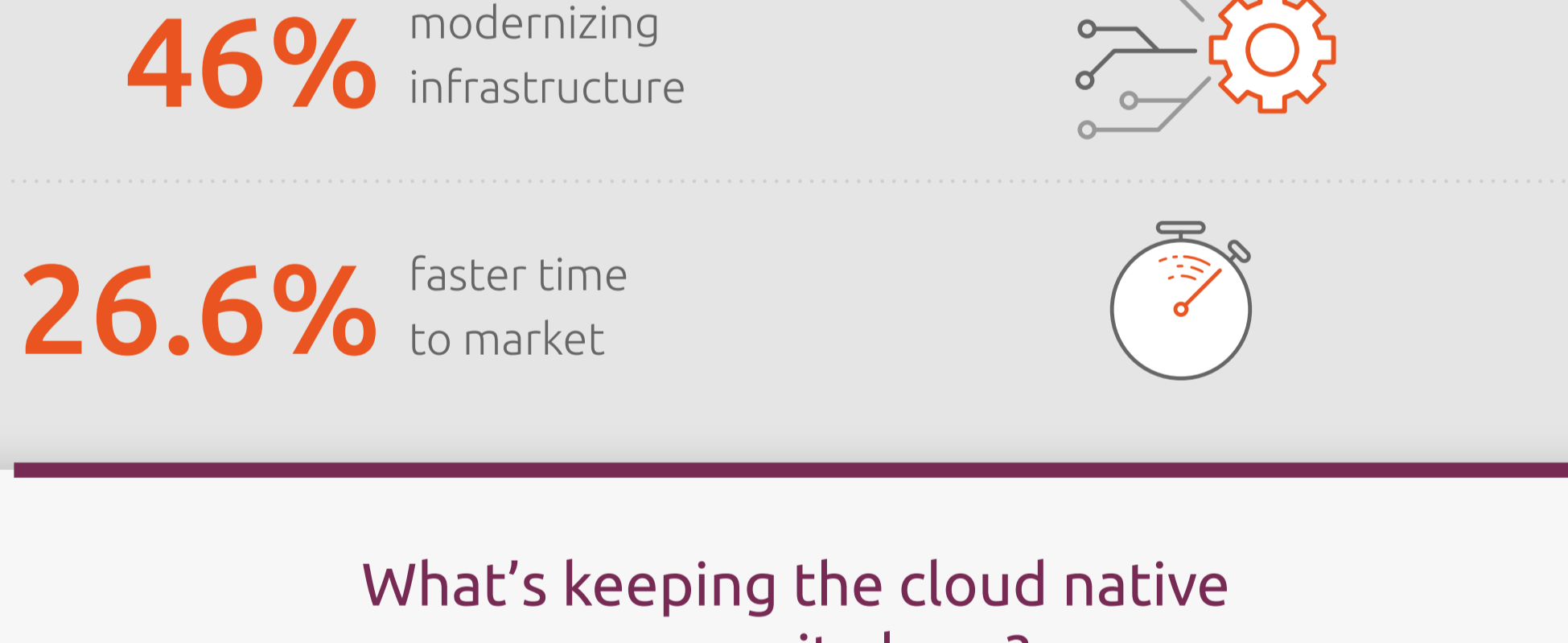
21.4% manage **500+ machines**

How many Kubernetes clusters do they have running?

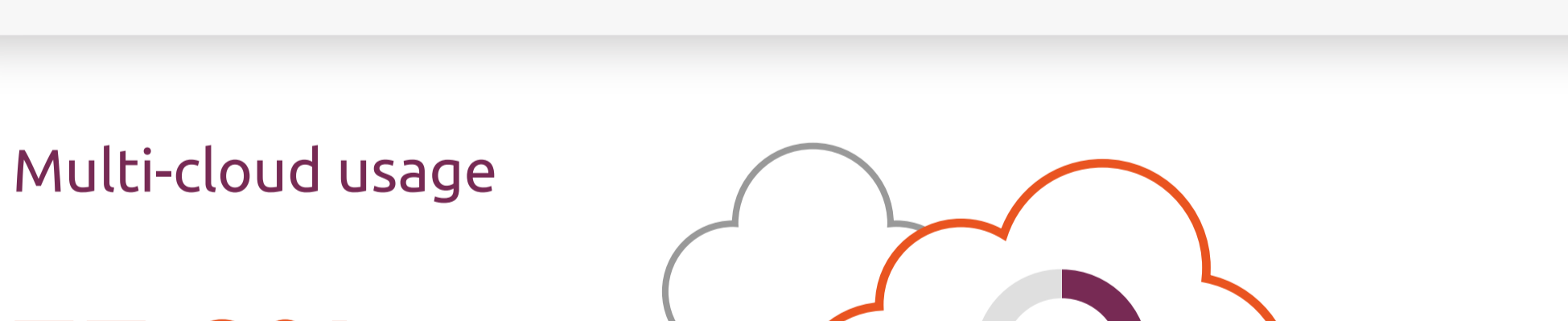
Average **2.5** K8s clusters

4% manage **21+** K8s clusters

Motivation for Kubernetes and cloud native technologies adoption



What's keeping the cloud native community busy?

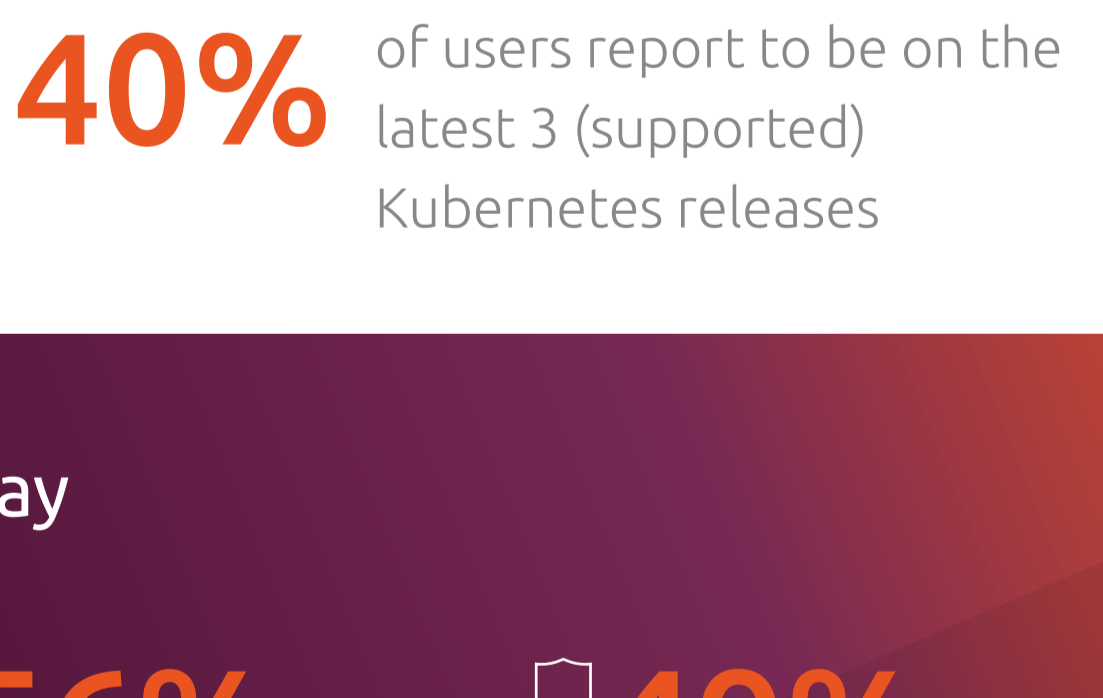


Multi-cloud usage

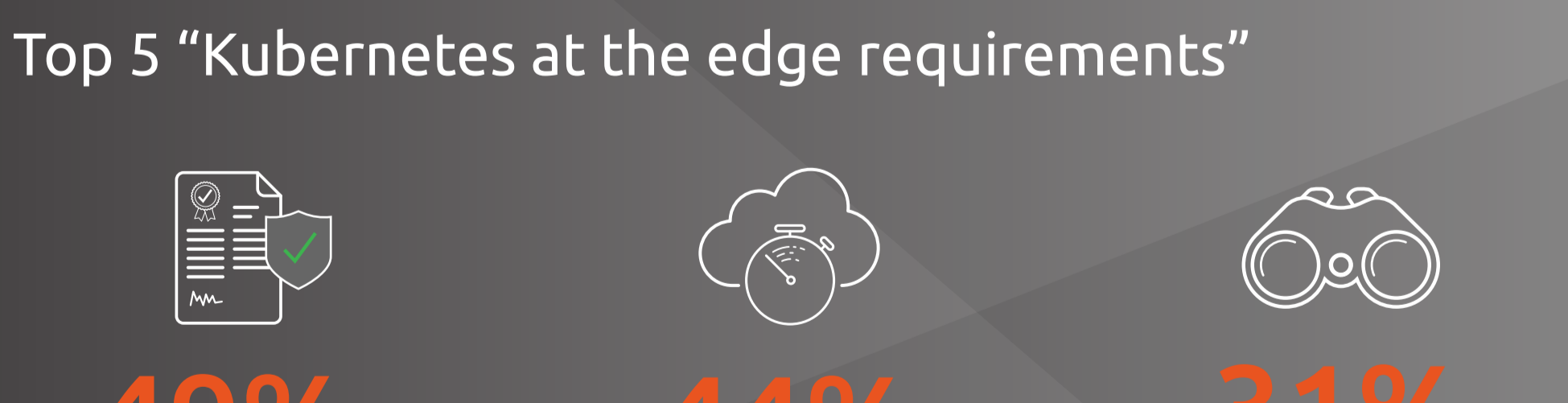
77.8% manage hybrid or multi-cloud environments

Change vs stability

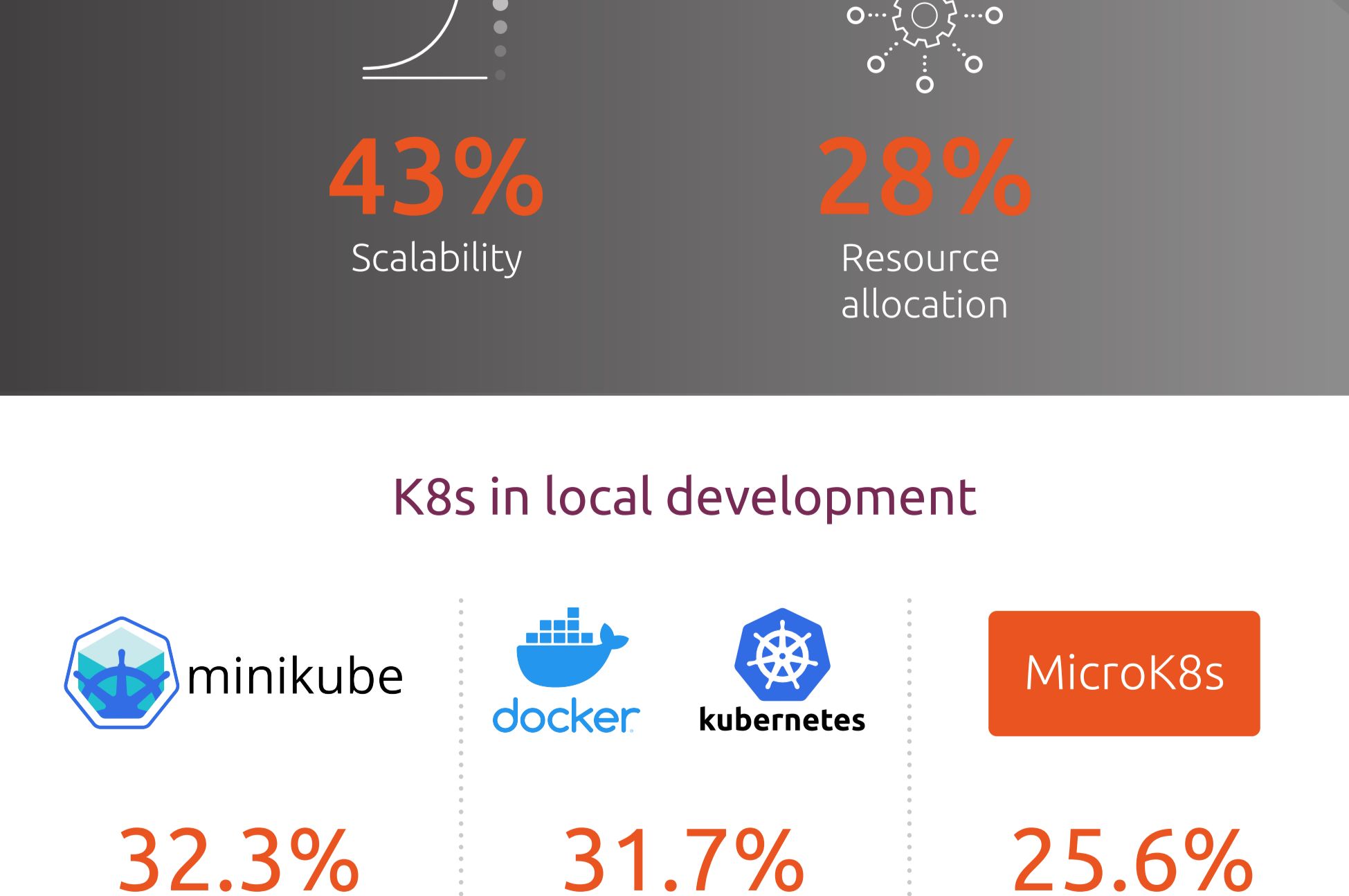
Developers want to release early and often to improve the platform, but can businesses keep up with the Kubernetes releases?



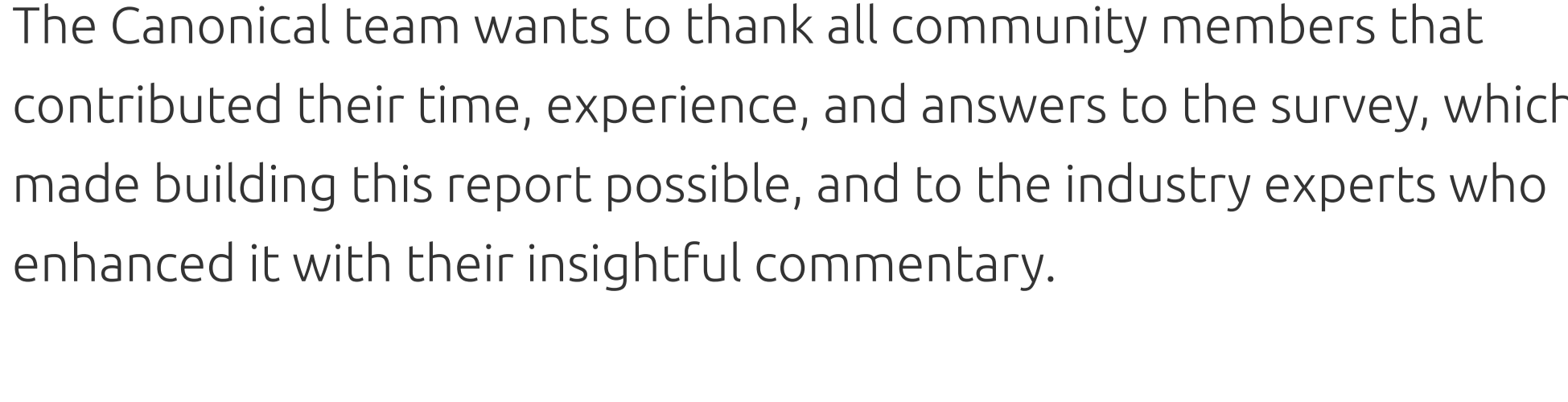
Security all the way



Top 5 "Kubernetes at the edge requirements"



K8s in local development



Read the full report

juju.is/cloud-native-kubernetes-usage-report-2021

The Canonical team wants to thank all community members that contributed their time, experience, and answers to the survey, which made building this report possible, and to the industry experts who enhanced it with their insightful commentary.

[Learn more about Canonical Kubernetes](#)

[Learn more about the the Charmed Operator Framework](#)