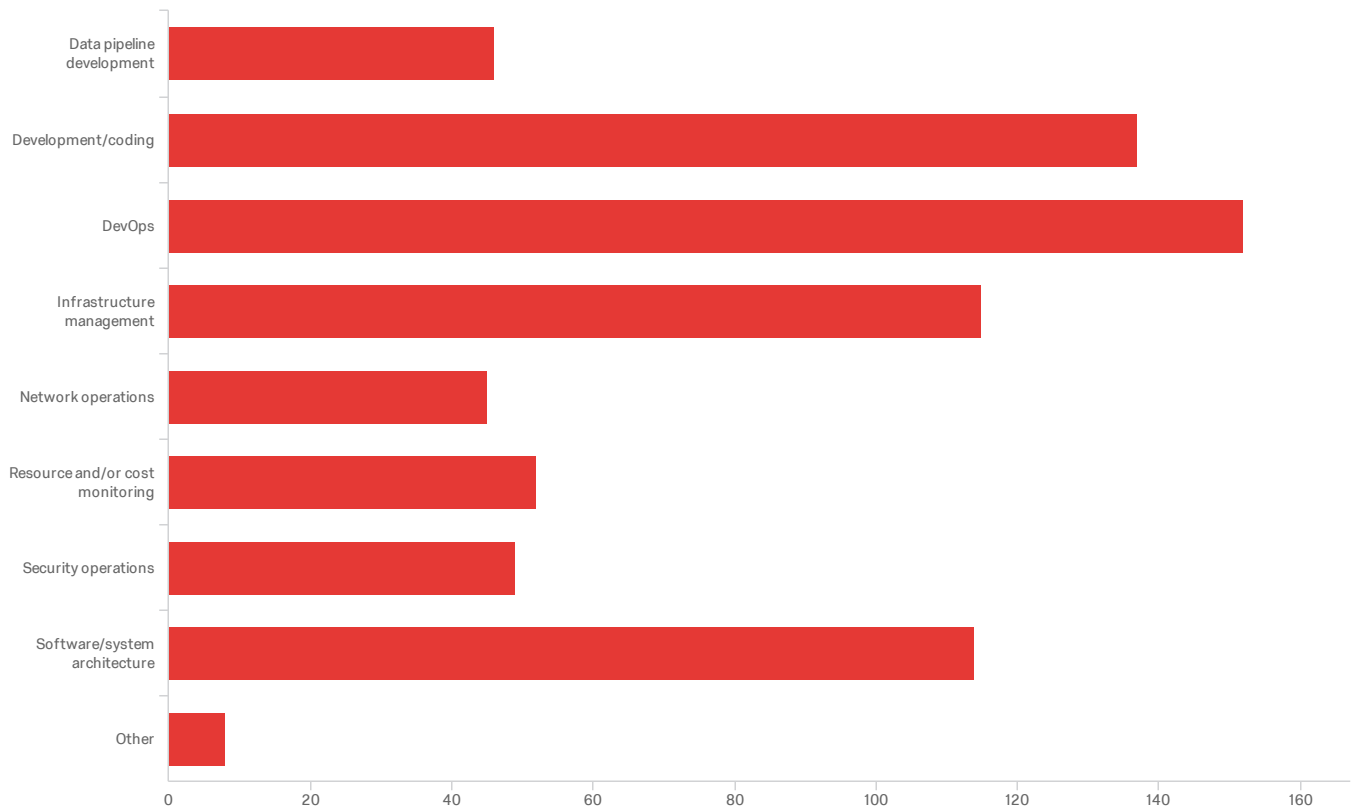


# Default Report

Kubecon China - Dashboard

December 10, 2018 12:15 AM MST

Q1 - Which of the following aspects of software development or management are you involved in? Select all that apply.



#	Field	Choice Count
1	Data pipeline development	6.41% 46
2	Development/coding	19.08% 137
3	DevOps	21.17% 152
4	Infrastructure management	16.02% 115
5	Network operations	6.27% 45
6	Resource and/or cost monitoring	7.24% 52
7	Security operations	6.82% 49
8	Software/system architecture	15.88% 114

#	Field	Choice Count
9	Other	1.11% 8

---

718

Showing rows 1 - 10 of 10

## Other

Other

---

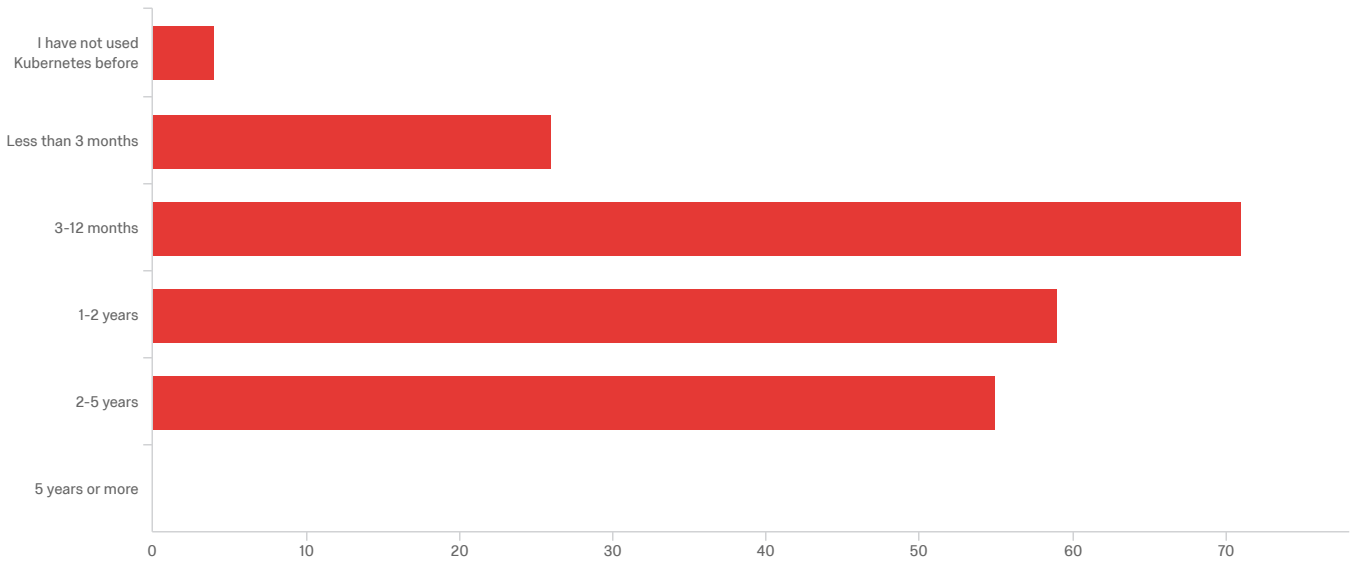
Onboarding other people

Storage

Cluster operations

Showing records 1 - 3 of 3

## Q2 - How long have you been involved in building, deploying, or maintaining containerized applications on Kubernetes?



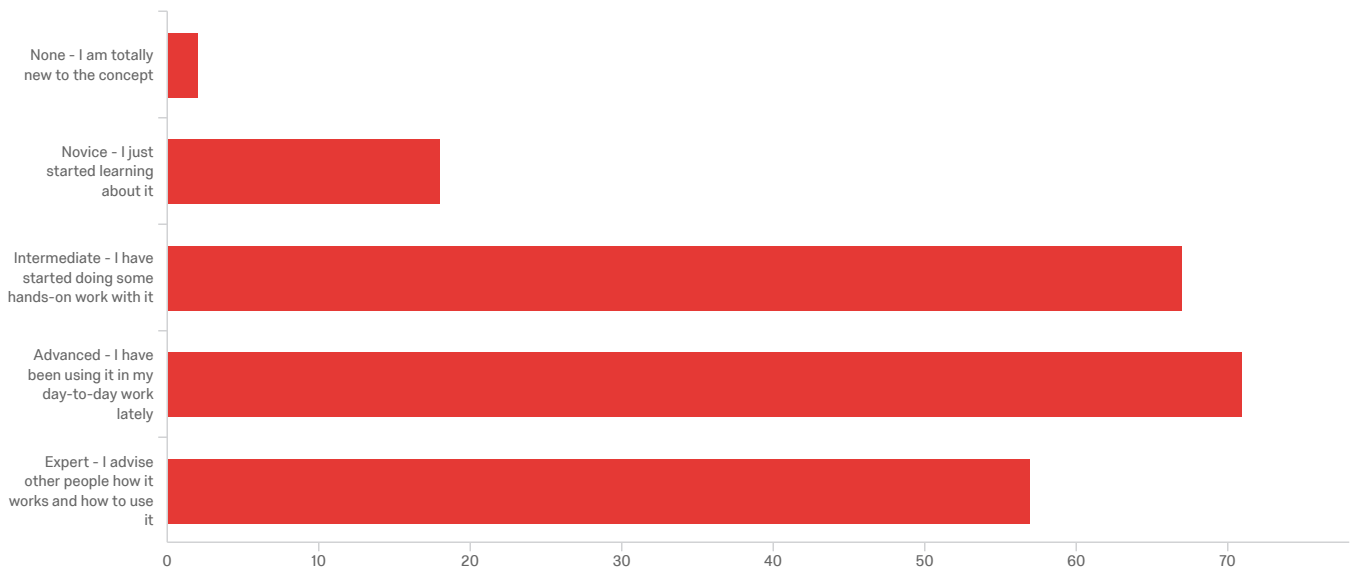
#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	How long have you been involved in building, deploying, or maintaining containerized applications on Kubernetes?	1.00	5.00	3.63	1.05	1.10	215

#	Field	Choice Count
1	I have not used Kubernetes before	1.86% 4
2	Less than 3 months	12.09% 26
3	3-12 months	33.02% 71
4	1-2 years	27.44% 59
5	2-5 years	25.58% 55
6	5 years or more	0.00% 0

215

Showing rows 1 - 7 of 7

### Q3 - How would you rate your knowledge of Kubernetes?

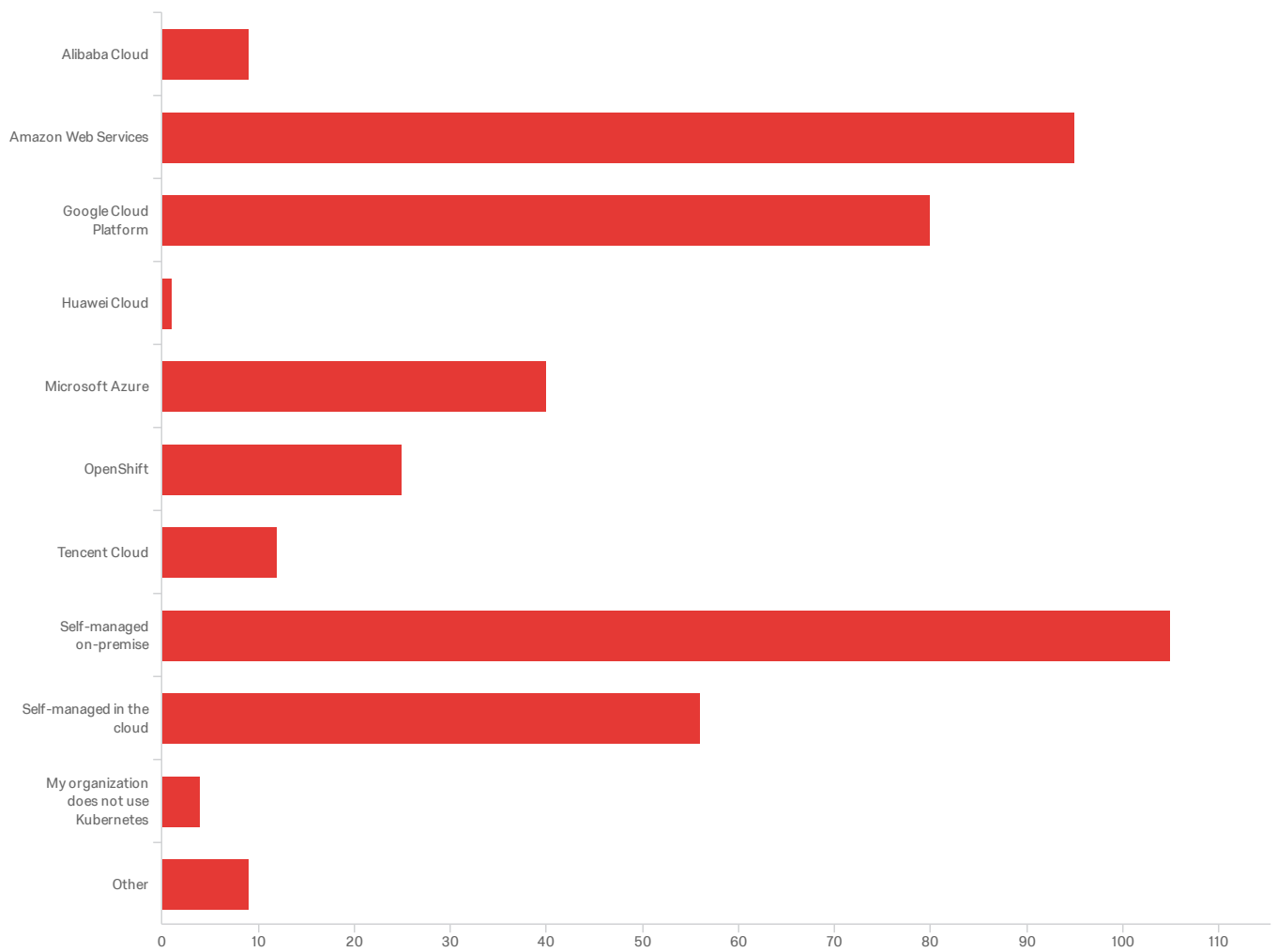


#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	How would you rate your knowledge of Kubernetes?	1.00	5.00	3.76	0.97	0.94	215

#	Field	Choice Count
1	None - I am totally new to the concept	0.93% 2
2	Novice - I just started learning about it	8.37% 18
3	Intermediate - I have started doing some hands-on work with it	31.16% 67
4	Advanced - I have been using it in my day-to-day work lately	33.02% 71
5	Expert - I advise other people how it works and how to use it	26.51% 57
		215

Showing rows 1 - 6 of 6

Q4 - Where does your organization currently run Kubernetes? Select all that apply.



#	Field	Choice Count
1	Alibaba Cloud	2.06% 9
2	Amazon Web Services	21.79% 95
3	Google Cloud Platform	18.35% 80
4	Huawei Cloud	0.23% 1
5	Microsoft Azure	9.17% 40
6	OpenShift	5.73% 25
7	Tencent Cloud	2.75% 12
8	Self-managed on-premise	24.08% 105
9	Self-managed in the cloud	12.84% 56
10	My organization does not use Kubernetes	0.92% 4

#	Field	Choice Count
11	Other	2.06% 9
		436

Showing rows 1 - 12 of 12

## Other

Other

We offer a kubernetes distribution, but do not ourselves run anything on Kubernetes.

IBM Cloud

Ibm blue mix

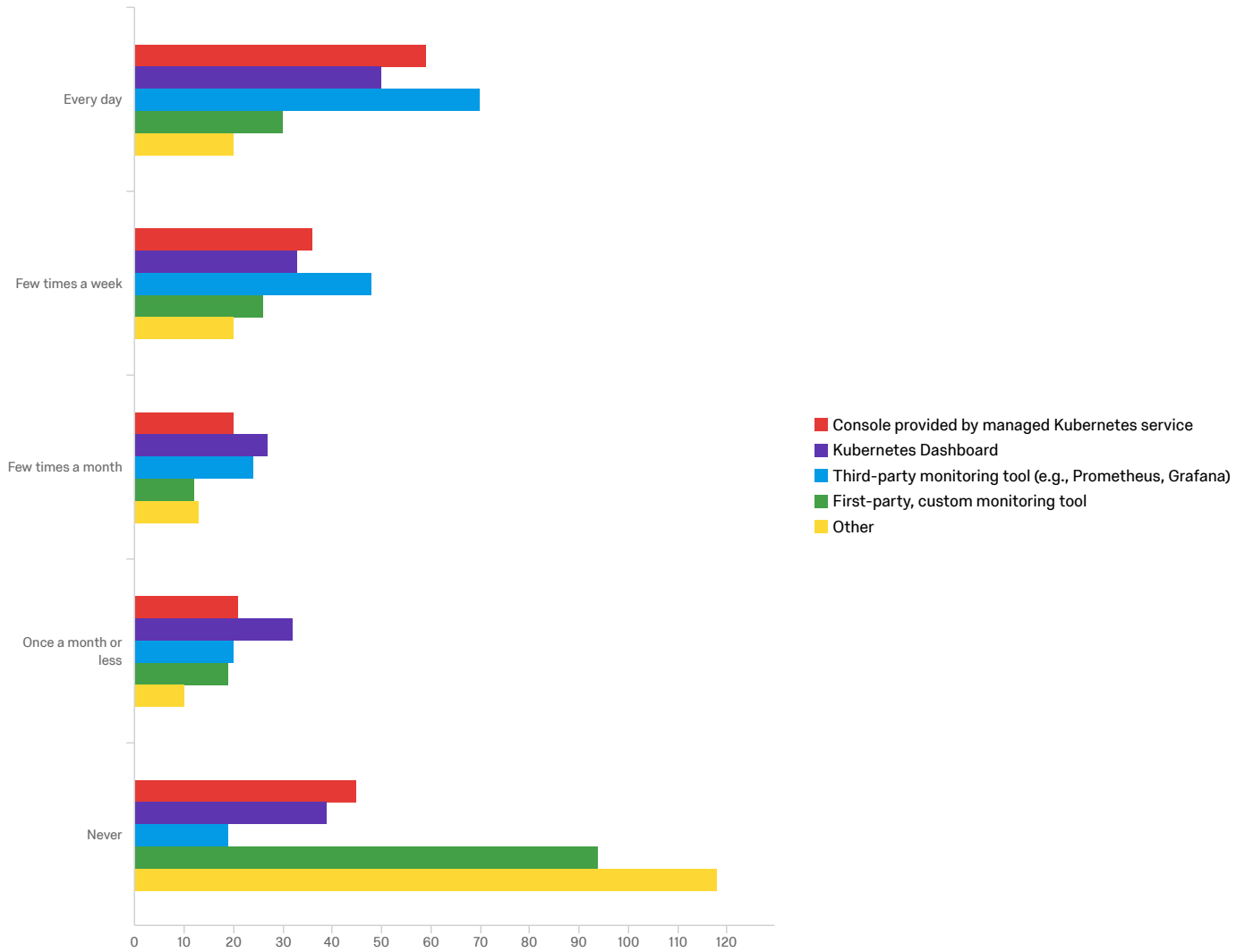
Gardener

Oracle Cloud

Gardener

Showing records 1 - 6 of 6

## Q5 - How often do you use the following UI tools to monitor or manage your Kubernetes resources?



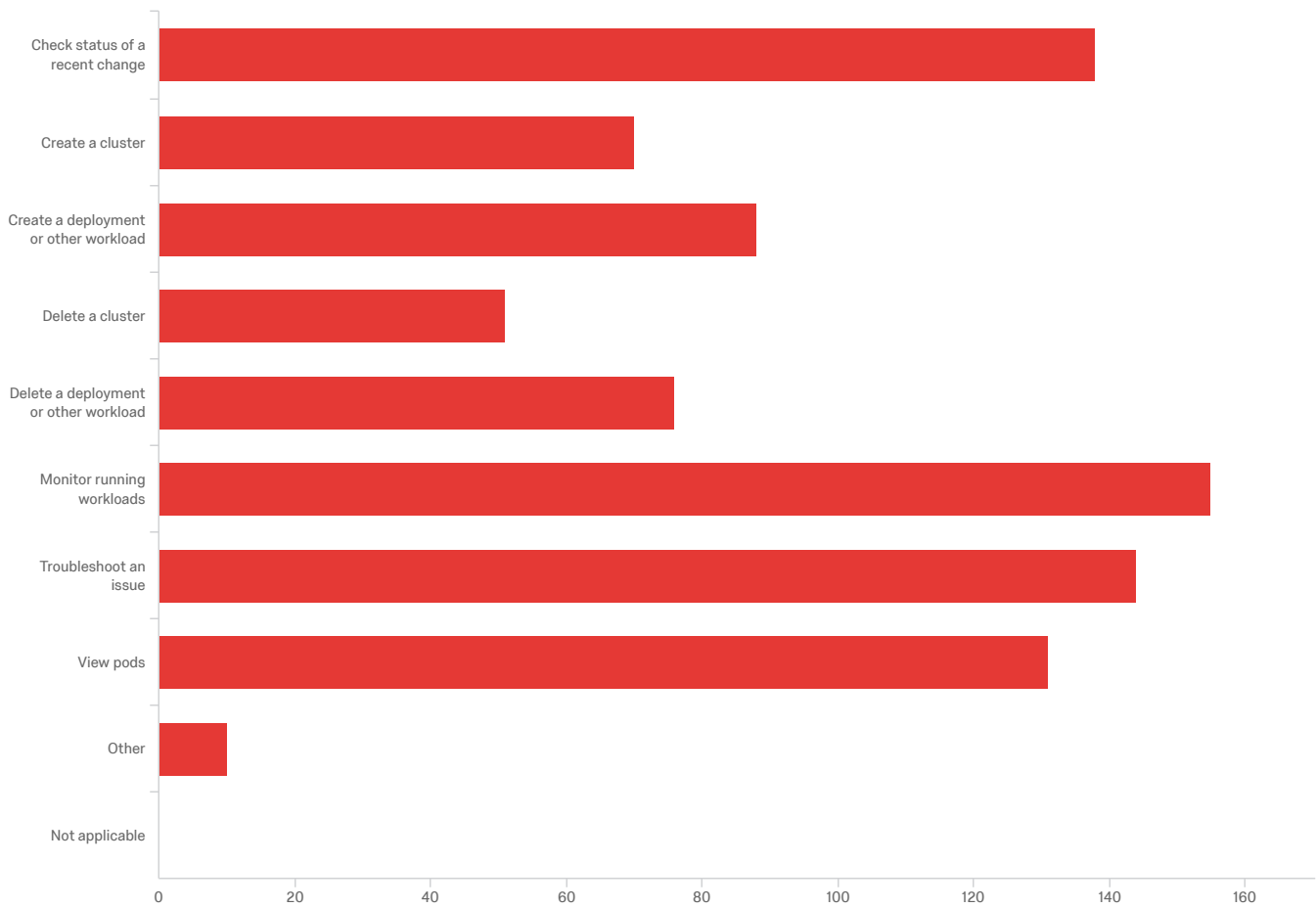
#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Console provided by managed Kubernetes service	1.00	5.00	2.76	1.60	2.56	181
2	Kubernetes Dashboard	1.00	5.00	2.87	1.52	2.31	181
3	Third-party monitoring tool (e.g., Prometheus, Grafana)	1.00	5.00	2.28	1.35	1.83	181
4	First-party, custom monitoring tool	1.00	5.00	3.67	1.59	2.54	181
5	Other	1.00	5.00	4.03	1.47	2.16	181

#	Field	Every day		Few times a week		Few times a month		Once a month or less		Never		Total
1	Console provided by managed Kubernetes service	32.60%	59	19.89%	36	11.05%	20	11.60%	21	24.86%	45	181
2	Kubernetes Dashboard	27.62%	50	18.23%	33	14.92%	27	17.68%	32	21.55%	39	181
3	Third-party monitoring tool (e.g., Prometheus, Grafana)	38.67%	70	26.52%	48	13.26%	24	11.05%	20	10.50%	19	181
4	First-party, custom monitoring tool	16.57%	30	14.36%	26	6.63%	12	10.50%	19	51.93%	94	181
5	Other	11.05%	20	11.05%	20	7.18%	13	5.52%	10	65.19%	118	181

Showing rows 1 - 5 of 5



Q6 - What tasks do you commonly perform in the above tools? Select all that apply.



#	Field	Choice Count
1	Check status of a recent change	15.99% 138
2	Create a cluster	8.11% 70
3	Create a deployment or other workload	10.20% 88
4	Delete a cluster	5.91% 51
5	Delete a deployment or other workload	8.81% 76
6	Monitor running workloads	17.96% 155
7	Troubleshoot an issue	16.69% 144
8	View pods	15.18% 131
9	Other	1.16% 10
10	Not applicable	0.00% 0

Other

Other

---

[Edit deployments yaml online](#)

[manage the cluster](#)

[pod logs](#)

[Ingress info](#)

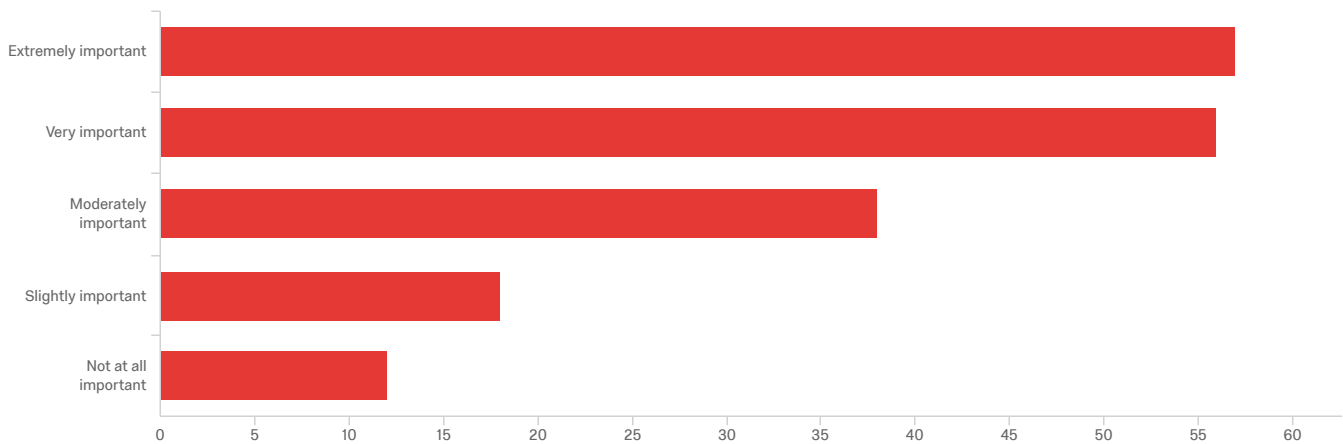
[View logs](#)

[container log](#)

[helm](#)

Showing records 1 - 7 of 7

## Q7 - How important is it to see resources from multiple clusters in one place?

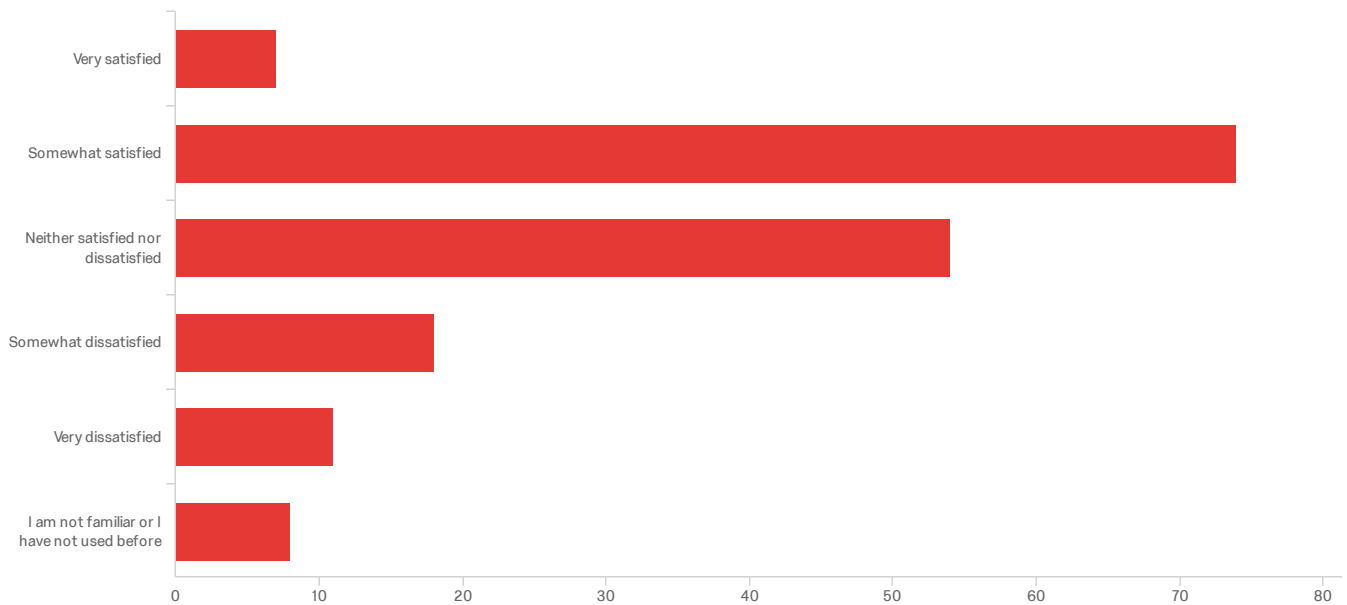


#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	How important is it to see resources from multiple clusters in one place?	1.00	5.00	2.29	1.20	1.43	181

#	Field	Choice Count
1	Extremely important	31.49% 57
2	Very important	30.94% 56
3	Moderately important	20.99% 38
4	Slightly important	9.94% 18
5	Not at all important	6.63% 12
		181

Showing rows 1 - 6 of 6

## Q9 - How satisfied are you with the Kubernetes Dashboard?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	How satisfied are you with the Kubernetes Dashboard?	1.00	6.00	2.86	1.16	1.35	172

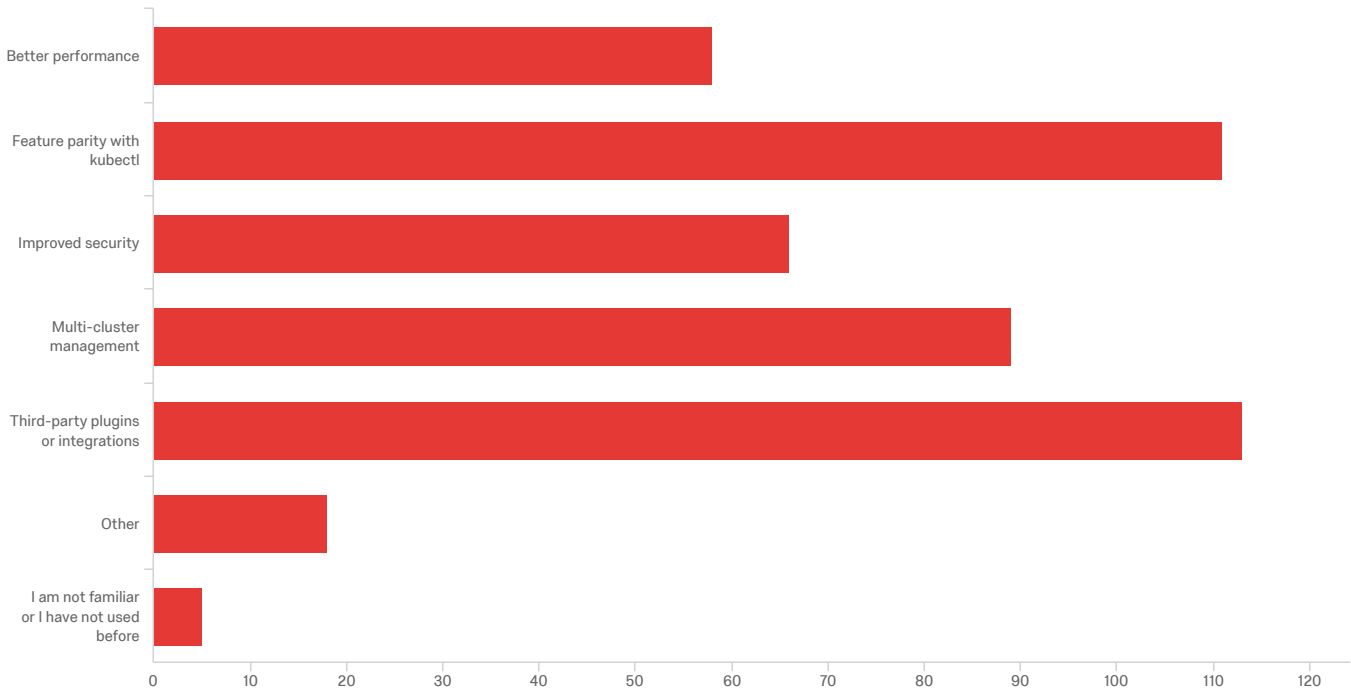
#	Field	Choice Count
1	Very satisfied	4.07% 7
2	Somewhat satisfied	43.02% 74
3	Neither satisfied nor dissatisfied	31.40% 54
4	Somewhat dissatisfied	10.47% 18
5	Very dissatisfied	6.40% 11
6	I am not familiar or I have not used before	4.65% 8

172

Showing rows 1 - 7 of 7

## Q10 - What would you like to see added or changed in the Kubernetes Dashboard? Select

all that apply



#	Field	Choice Count
1	Better performance	12.61% 58
2	Feature parity with kubectl	24.13% 111
3	Improved security	14.35% 66
4	Multi-cluster management	19.35% 89
5	Third-party plugins or integrations	24.57% 113
6	Other	3.91% 18
7	I am not familiar or I have not used before	1.09% 5
		460

Showing rows 1 - 8 of 8

### Other

Other

Better UI

RBAC, Network Policy view

Namespace specific view with easily shareable URLs (no query parameters)

Describe mode for each resources

Help with RBAC setup, identity management, access management

Easy https configuration, it sucks doing many steps just to verify my web page in https

allow UI to run stand-alone in browser (like kubect!) rather as a deployment on a cluster

Better support for multi tenant clusters

real-time monitoring

Visibility of CRDs, better namespace handling in UI

OpenId integration out-of-box

ability to do yaml or json in edit

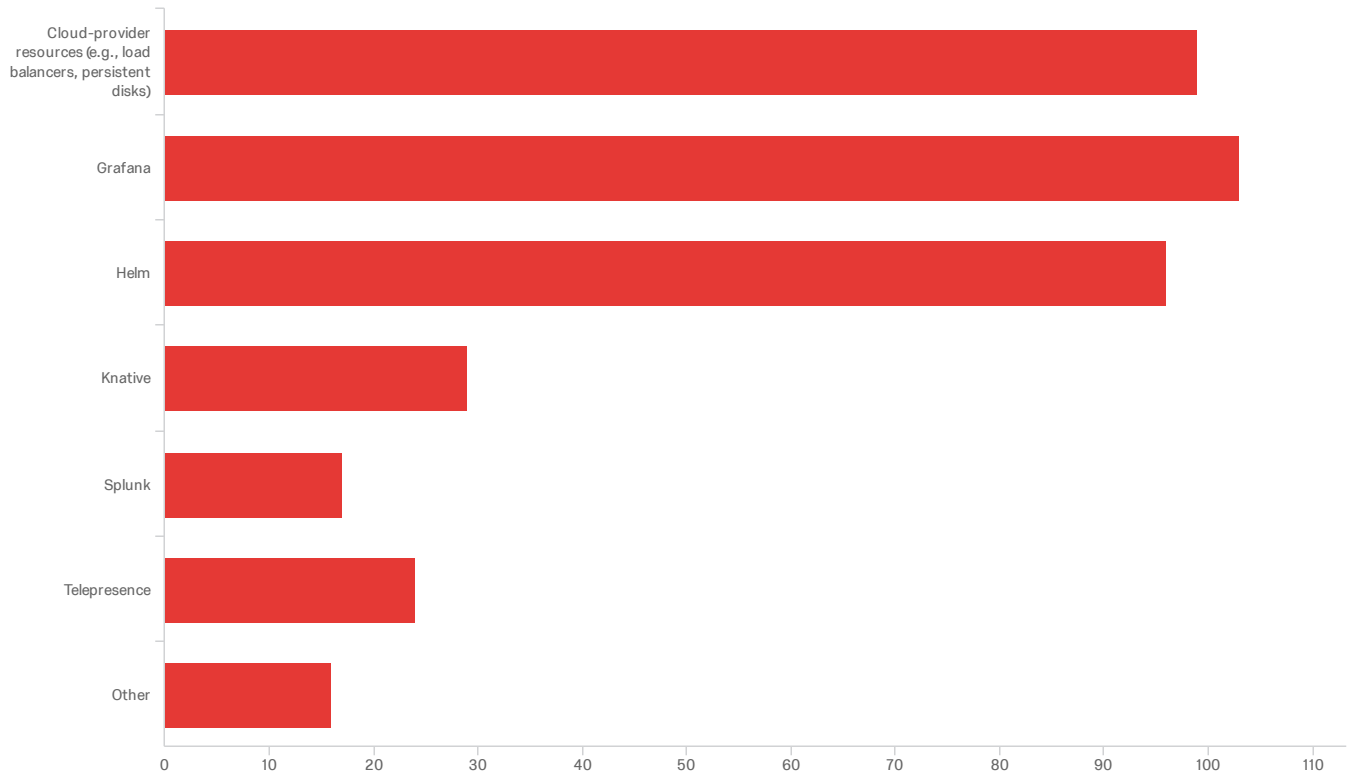
enable /ui url as it was before

Please enable the /ui (with security if needed) access again. Not having that is severely hampering dashboard adoption.

helm integration, out of the box oidc support

Showing records 1 - 15 of 15

Q11 - If you chose "Third-party plugins or integrations" above, which third-party plugins or integrations would you like to see supported in the Kubernetes Dashboard?



#	Field	Choice Count
1	Cloud-provider resources (e.g., load balancers, persistent disks)	25.78% 99
2	Grafana	26.82% 103
3	Helm	25.00% 96
4	Knative	7.55% 29
5	Splunk	4.43% 17
6	Telepresence	6.25% 24
7	Other	4.17% 16
		384

Showing rows 1 - 8 of 8

Other

Other

Other

---

Maya Online

kibana

weave scope

Custom plugin

metrics-server

Prometheus

ZABBIX

external-dns, ingress controllers, cert-manager

CRD listings

All CRDs

Networking Provider interface like Weave's UI for example.

Datadog

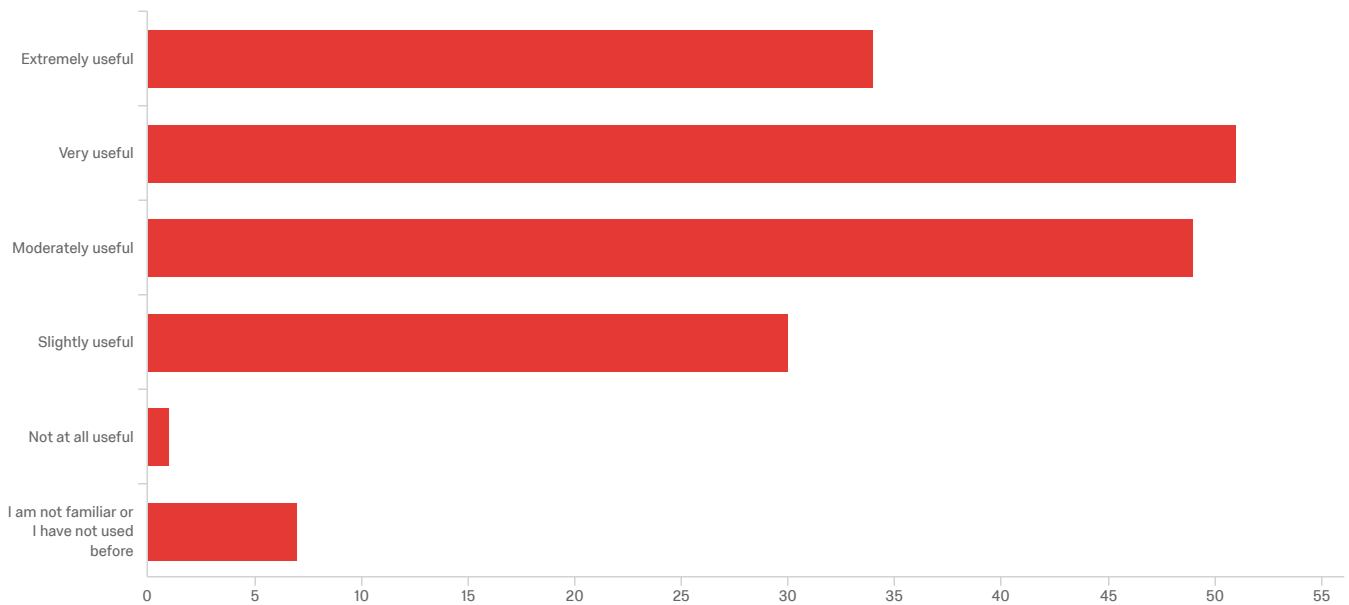
A way to create plugins for displaying custom resource definitions (CRDs)

ELK

Showing records 1 - 14 of 14



## Q12 - How useful is the Kubernetes Dashboard for learning Kubernetes?



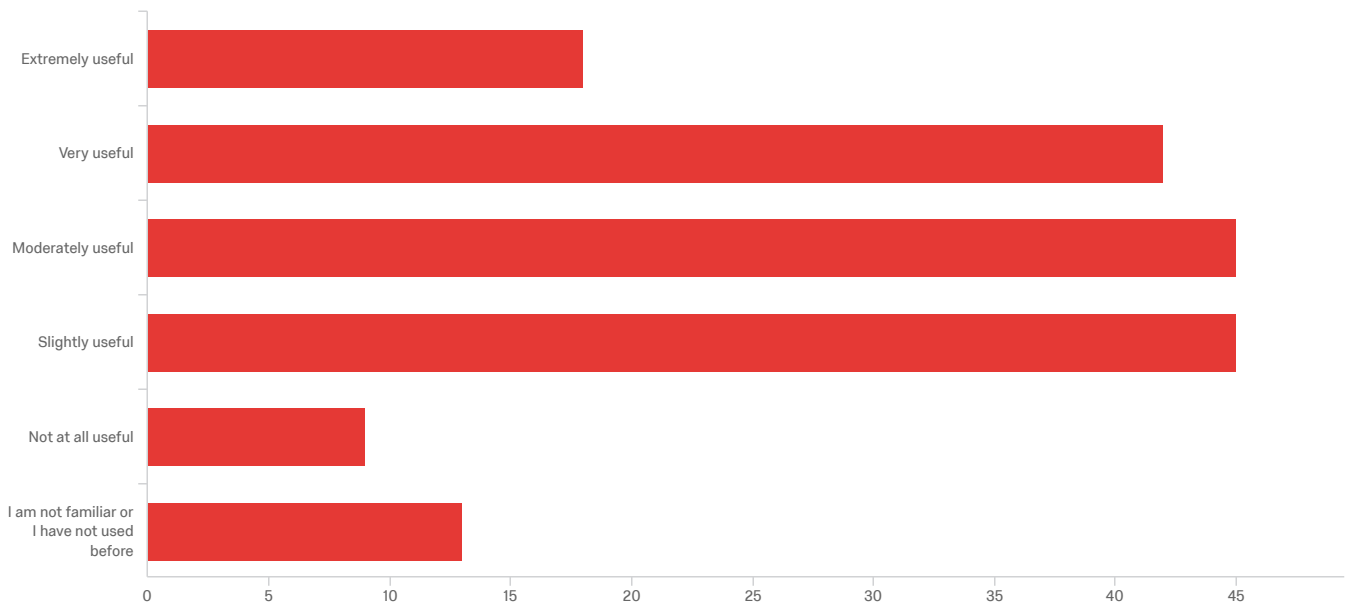
#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	How useful is the Kubernetes Dashboard for learning Kubernetes?	1.00	6.00	2.62	1.23	1.50	172

#	Field	Choice Count
1	Extremely useful	19.77% 34
2	Very useful	29.65% 51
3	Moderately useful	28.49% 49
4	Slightly useful	17.44% 30
5	Not at all useful	0.58% 1
6	I am not familiar or I have not used before	4.07% 7

172

Showing rows 1 - 7 of 7

## Q13 - How useful is the Kubernetes Dashboard for monitoring production clusters?



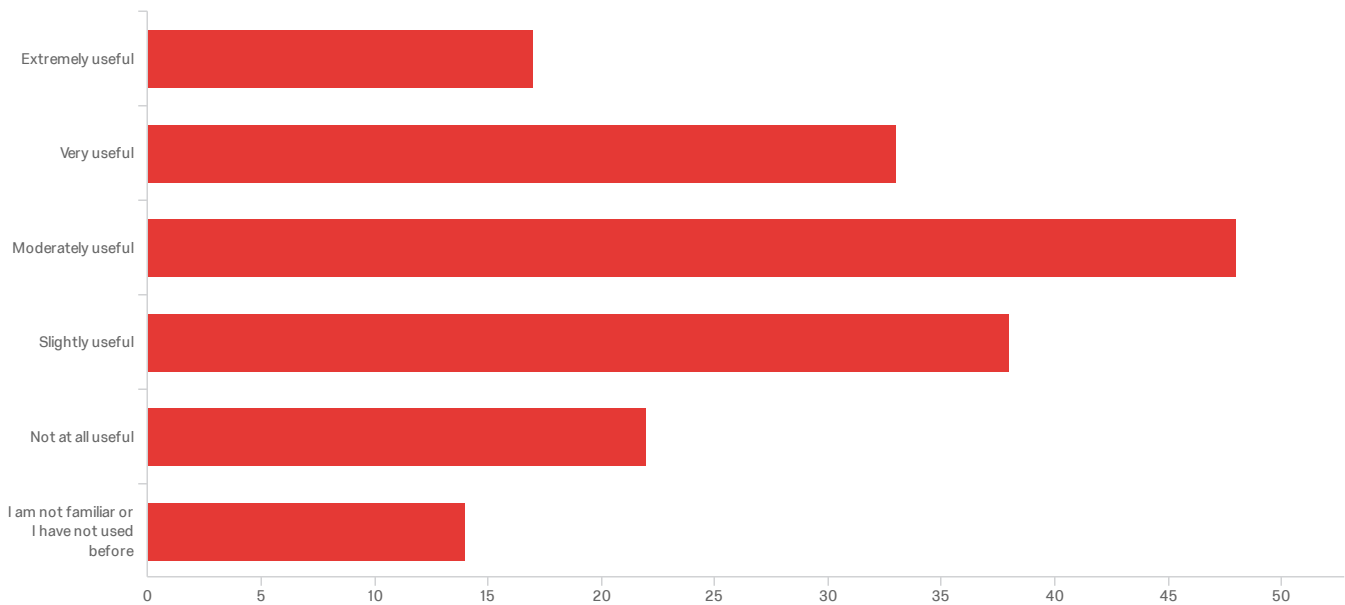
#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	How useful is the Kubernetes Dashboard for monitoring production clusters?	1.00	6.00	3.14	1.34	1.79	172

#	Field	Choice Count
1	Extremely useful	10.47% 18
2	Very useful	24.42% 42
3	Moderately useful	26.16% 45
4	Slightly useful	26.16% 45
5	Not at all useful	5.23% 9
6	I am not familiar or I have not used before	7.56% 13

172

Showing rows 1 - 7 of 7

## Q17 - How useful is the Kubernetes Dashboard for managing production clusters?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	How useful is the Kubernetes Dashboard for managing production clusters?	1.00	6.00	3.33	1.39	1.94	172

#	Field	Choice Count
1	Extremely useful	9.88% 17
2	Very useful	19.19% 33
3	Moderately useful	27.91% 48
4	Slightly useful	22.09% 38
5	Not at all useful	12.79% 22
6	I am not familiar or I have not used before	8.14% 14

172

Showing rows 1 - 7 of 7

# Q14 - Imagine you had a magic wand. How would you build the next generation of the Kubernetes Dashboard to make it more useful for you?

Imagine you had a magic wand. How would you build the next generation of th...

In general would prefer a more data dense UI. Not so interested in whitespace. Also requests and limits should be more prominent and focused, with both condensed overview as well as drill down detail.

Build a better RBAC ui also provide more pluggable components.

user identity for better security (Google OAuth?) and dashboard customization

Work together with the cluster-registry project to support mutli-cluster overview and implement proper authentication & authorization

Generic support for custom resource definitions, better and easier integration with OOTB security options. managed forms for ingresses, and ISTIO resources.

社区推广，自身功能完善，第三方插件集成。

Authentication with MFA

It would just be a web UI for kubectl with the overview providing modular feedback, but we primarily use clusters for k8s education.

Based on user permissions, show only the namespaces that user has access to.

Drill-down on support for visualization of performance of my pods, enhance terminal access when exec-ing into containers, etc

I would like to add advance disk health management tools

More user friendliness, ease of use

allowing kubectl command along with multitenancy support

will add more feature and add cluster availability always without a downtime

Make it more secure, easy to debug any issues,cluster management, easy to deploy any external plugins like Prometheus, grafana , debugging tooling

RBAC mgm, Network Policy view. Multi-cluster support with capability to manage cluster wide resources across multiple clusters

Integrate it with Prometheus and Grafana

I think the ability to represent both the structure of the cluster as well as looking at the cluster from a workload perspective is what makes K8S dash useful. I'd like to see more of that and more of the ability to troubleshoot issue from the dashboard.

Since my services are running mostly on aws I would love to add feature of cost calculation

Integrate the dashboard with CI tools and group certain deployments together so you can control deployments/builds from it

Extensible with plugins (think vscode).

Better login system. Control over kubelet parameters.

Create the building blocks for users to easily create their own dashboards as it is impossible to meet everyone's needs. Encourage users to contribute these back so they can be shared (think Hugo themes).

Dashboard pinning. Most frequent objects/graphs should show up in dashboard page. Single point of view for all things I am interested in.

Give multi-cluster awareness, relationship visualizations.

Make it better for mobile devices

I will make slight change in UI like including type of OS in machine type description

For quick deployment and better management of the work loads

Easy https configuration, can't you just make it easier? common even buying the domains from Google itself it's pretty dam hard to configure it

improve rbac, improve how realtime updates happen, make everything you can do from kubectl happen in dashboard

Allow dashboard to run as a stand-alone browser app (authn/authz like kubectl) rather than as a service/deployment that runs on the cluster that you have to somehow connect to

provided as a helm chart with authN authZ support

More reliable, easier to quickly view Deployments, and better views of dependent resources pods are using. Also, a service map sort of feature (although this is more istio-esq i suppose).

I used it only once a while back and never tried it again, but I find GKE interface useful for monitoring workloads. I believe most admins prefer command line tools for creating workloads. UI is good for monitoring and checking status.

Secure and easy for to use in multi tenant clusters

more like kibana

Real-time monitoring

Integration with AWS IAM authentication.

Helm integration

Include integrated terminal which auto populates my kubeconfig to let me admin. This way I don't need anything local to manage.

Plugins for eg, best practice advice, grafana integration, ...

I would try to get as much feature parity as possible with the command line tooling. I would also add support for consuming Helm charts natively using the console

support OIDC auth and CRDS. We operate a cluster with multiple end-user groups, many of them would find the dashboard extremely useful but if we could remove the SA that it runs with and have them go through oidc with the same creds used to log into the cluster to only see their resources that would be a huge win.

Better visibility into CRD's, integration with Grafana/Prometheus, better handling of >100 items in a display.

Extensibility, modularity, API for libraries to integrate with Dashboard, writing plugins, k8s is used to run all kinds of workloads, it should follow philosophy of k8s and should be fundament on which we can build our custom command center.

More monitoring aspect like sysdig falco

Better support for Applications resources, CRDs, etc.

Make the pod/workload lifecycle events more obvious and reactive in the dashboard. For example, when deleting something, it's not always obvious that a deletion is actually doing anything due to child or parent object status. Sometimes it takes a while for an action to be represented in the dashboard.

Make it obvious when there are issues like crashloops, etc. Send them as big red notifications to the dashboard. Allow the dash to access multiple clusters.

better ability to edit the resources in the editor. create the ability to export a resource and download.

???

no comment

没仔细想过

enable /ui url as it was before

Enable the /ui access with security. Allow kubectl proxy to run indefinitely (keepalive). Create clusterrolebinding for sa kube-system:kubernetes-dashboard to view (at the minimum) everything across all namespaces.

Performance

Better performance when having lots of namespaces

支持多集群管理

AI

更方便的rbac权限管理；存储使用方面可以使用云服务商提供资源；资源调度方面，可以自定义调整规则，比如根据预设条件，迁移pod，或者在某些node节点增加pod

不用写任务脚本完成整个集群管理：集群部署，添加节点，数据备份，发布

Integration with metrics-server

The feature parity with Kubectl is very important to me.

简化权限管理

Kubectl with GUI. Expose all the rich features from the UI. Also support CRD and links to docs

集成Prometheus helm 和kubectl 命令 第三方jenkins gitlab 插件

1, Dashboard能以更友好的方式部署 (如裸机部署) 2, 可以支持兼容第三方插件, 如构建, 发布功能3, 详细的监控, 报警配置

可视化应用拓扑

多集群的管理非常有必要

构建同时基于管理员和普通用户的多集群管理平台

随便啦

集成各种终端命令行工具

□

做成灵雀云那样

没想法

UI漂亮

more configurable.

complete multi-cluster management

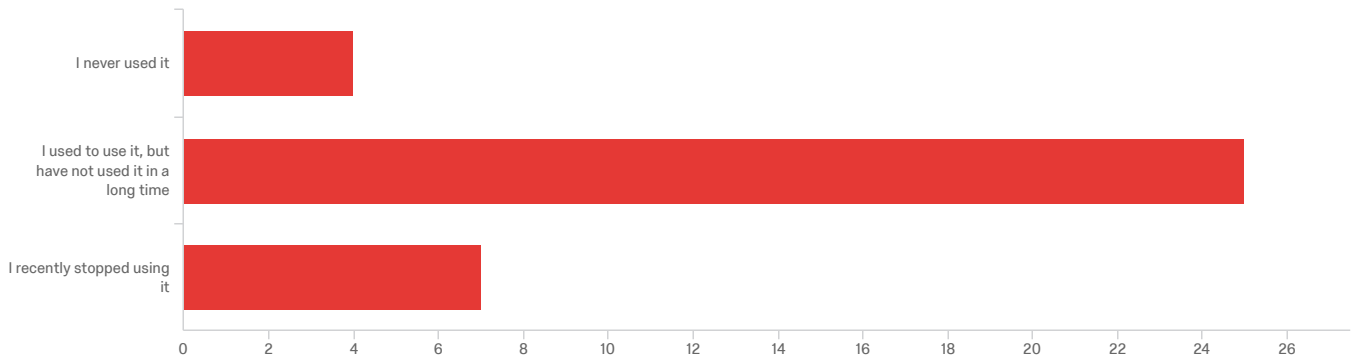
多集群管理, 多租户管理, 丰富的监控插件。

更炫酷的界面

grafana/prometheus integrations. helm integrations. application catalog. (via helm)

Multi-Cluster w/ low dependencies for fast flexible deployments everywhere (any cloud / on prem / etc)

## Q18 - How has your usage of the Kubernetes Dashboard changed over time?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	How has your usage of the Kubernetes Dashboard changed over time?	1.00	3.00	2.08	0.55	0.30	36

#	Field	Choice Count
1	I never used it	11.11% 4
2	I used to use it, but have not used it in a long time	69.44% 25
3	I recently stopped using it	19.44% 7
		36

Showing rows 1 - 4 of 4



## Q19 - Why do you not use the Kubernetes Dashboard?

Why do you not use the Kubernetes Dashboard?

Was not aware of it.

No proper authentication with e.g. client credentials

I don't see what it offers me over kubectl.

Using more alerts to keep tabs on jobs

Security concerns around exposing the service.

We don't deploy it by default, most of the things I would use the dashboard for I now use kubectl for. At the start it was great to be able to visually see the resource and understand how they are grouped. This helped someone like me with a hands on but visual learning style.

Too much trouble to access securely.

When I tried it a few months ago, it didn't have many features and was slow.

Not great multi tenant cluster experience

A custom (Openshift Web Console) console is used for our Production distribution.

kubectl does it all!

I use Grafana, which is customisable.

I do not deploy it in any production environments due to security concerns

Using first-party managed UI.

Well everyone assumed it was dead 6mo-1yr ago and all the effort went into GKEs dash. Even Kubernetes has more features than it..

希望，安装时，账户管理应该更容易设定。

习惯用 command line

不是特别好用

现在不需要用

I use OpenShift/Tectonic and therefore use their consoles

授权认证做的不是太好，没有插件化不能很好支持CI/CD pipeline(有其他工具可以替代)，不能友好支持监控报警(prometheus替代)，不能很好支持日志展示过滤(ELK替代)

功能并不是很多，监控我用Prometheus

功能太少

对使用k8s没有太大帮助

Showing records 1 - 24 of 24

**End of Report**