* 1. What is the status of container usage at your enterprise or organization?

( ) Not using containers. May or may not have plans to use them

( ) Using containers but not in production environments

( ) Initial implementation of production applications

( ) Broad implementation of production applications

2. How are your applications deployed?

( ) Continuous delivery pipeline (e.g., Jenkins, Travis)

( ) Configuration management

( ) Container orchestration (e.g., Kubernetes, Mesos)

( ) Manually (e.g., rsync or git pull on production server)

( ) Other (please specify)

```
                                                          
```

3. Does your infrastructure code get deployed through a delivery pipeline (e.g., Jenkins)?

( ) Yes

( ) No

( ) Don't know or not applicable

* 4. What is the status of Kubernetes usage at your enterprise or organization?

  ◯ No experience with Kubernetes

  ◯ No current use, but have evaluated or used Kubernetes in the past

  ◯ Currently evaluating or running a trial of Kubernetes

  ◯ Initial implementation for production environments

  ◯ Broad implementation for production environments

5. What is your primary job role regarding Kubernetes?

  ◯ Application operator (including DevOps role)

  ◯ Application developer

  ◯ Cluster operator (including SRE role)

  ◯ Other, IT-related

  ◯ Non-technical (including management and marketing)

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Kubernetes User Experiences

* 6. Do you work for a company that provides products or services related to containers, PaaS, IaaS or software deployment?

  ◯ Yes

  ◯ No

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Kubernetes User Experiences

* 7. Will you answer the rest of this survey based on your enterprise's internal use or evaluation of Kubernetes?

○ Yes

○ No

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Kubernetes User Experiences

8. How many clusters are deployed?

Please enter a whole number.

9. Does your deployment span across multiple data centers?

○ Yes

○ No

○ Don't know

10. What types of workloads does your enterprise or organization run on Kubernetes?

☐ App development (e.g., IDE, CI/CD, platform, test) ☐ Mobile applications and services

☐ Big data analytics, mining (e.g., Hadoop, Spark) ☐ Other line of business (LOB) applications

☐ Business applications (e.g., ERP, CRM, email) ☐ Research computing (e.g., HPC, HTC)

☐ Database and data warehousing ☐ SaaS delivery

☐ Industry-specific applications ☐ Web services and ecommerce

☐ Infrastructure services (e.g., public/private cloud services) ☐ Website hosting and web presence

☐ Media streaming and content delivery

11. Do you deploy applications to Kubernetes using Jenkins?

○ Yes

○ No, we don't use a CI/CI tool and only deploy directly to container images

○ No, but we use another CI/CD tool to deploy applications to Kubernetes (please specify)

Kubernetes User Experiences

12. What types of storage volumes does your enterprise or organization use with Kubernetes?

- [ ] File
- [ ] Block
- [ ] Object
- [ ] Don't know

13. What specific storage volumes does your enterprise or organization use with Kubernetes?

- [ ] GCE Persistent Disk
- [ ] AWS Elastic Block Store
- [ ] Azure File
- [ ] Azure Disk
- [ ] FC (Fibre Channel)
- [ ] Flocker
- [ ] NFS
- [ ] iSCSI
- [ ] RBD (Ceph Block Device)
- [ ] CephFS
- [ ] Cinder (OpenStack block storage)
- [ ] Glusterfs
- [ ] Vsphere Volume
- [ ] Quobyte Volumes
- [ ] HostPath (single node testing only – local storage is not supported in any way and WILL NOT WORK in a multi-node cluster)
- [ ] VMware Photon
- [ ] Portworx Volumes
- [ ] ScaleIO Volumes
- [ ] Other (please specify)

14. What is being used for software-defined networking (SDN) in your Kubernetes implementations? Select all that apply.

- [ ] Contiv
- [ ] OpenContrail or Contrail
- [ ] Flannel
- [ ] Google Compute Engine (GCE)
- [ ] L2 networks and Linux bridging
- [ ] Nuage Networks VCS (Virtualized Cloud Services)
- [ ] Open vSwitch
- [ ] OVN (Open Virtual Networking)
- [ ] Project Calico
- [ ] Romana
- [ ] Weave Net from Weaveworks
- [ ] Other (please specify)

  [   ]

15. What tools, products and services are being used to monitor Kubernetes clusters?

- [ ] AppDynamics
- [ ] AppFormix/Juniper
- [ ] cAdvisor
- [ ] Cobe.io
- [ ] CoScale
- [ ] Datadog
- [ ] Dynatrace
- [ ] Heapster
- [ ] Netsil
- [ ] New Relic
- [ ] Prometheus (including vendor-supplied versions)
- [ ] Sematext
- [ ] Sysdig
- [ ] Tools provided by cloud provider
- [ ] Weave Scope
- [ ] Wavefront/VMware
- [ ] Other (please specify)

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Kubernetes User Experiences

16. To what degree were the following considered when evaluating Kubernetes and other container orchestration solutions?

	Essential requirement	Important criteria, but not a requirement	Not important criteria	Don't know or not applicable
Agility	○	○	○	○
Easy or simplified management	○	○	○	○
Resource optimization	○	○	○	○
Scaling	○	○	○	○
Security	○	○	○	○

17. What were the other solutions your enterprise or organization evaluated? What, if any, are currently in use?

	Evaluated	In Use
Apache Mesos or Mesosphere	☐	☐
AWS Elastic Container Service	☐	☐
Azure Container Service	☐	☐
Docker (e.g., Engine or Swarm)	☐	☐
HashiCorp Nomad	☐	☐
Homegrown customization of multiple tools or scripts	☐	☐
OpenStack (e.g., Magnum)	☐	☐
No other solution was evaluated	☐	☐

Other (please specify)

18. Why did you pick Kubernetes over other solutions?

19. Please provide additional comments about your experiences in evaluating container orchestrations solutions.

Kubernetes User Experiences

20. What types of distributions are being used?

☐ Community-supported

☐ Platform distribution

☐ Vendor distribution without value-added software (e.g., RackN, Heptio)

☐ Vendor distribution with valued-added software

☐ Other (please specify)

[   ]

21. What are the names of the main one or two distributions being used? Please include as much information as possible about the vendor, service name and/or version number. If you don't know, leave the answer blank.

Distribution 1   [   ]

Distribution 2   [   ]

22. Who helped implement the initial Kubernetes implementation? Select all that apply.

☐ My team

☐ Another internal IT team

☐ An external company with a container, Kubernetes or DevOps focus

☐ An external company without a container, Kubernetes or DevOps focus

☐ Don't know

☐ Other (please specify)

[   ]

23. Did the implementation take more or less time than expected?

◯ More time than expected

◯ As much time as expected

◯ Less time than expected

◯ Don't know or not applicable

24. What were the key factors in the success or failure of your deployment?

25. What lessons did you learn during the implementation?

* 26. To what degree has Kubernetes met the primary IT or business goals it was selected to address?

◯ Completely

◯ Substantially

◯ Minimally or not at all

◯ Don't know or not applicable

27. Where have you seen the biggest impact from Kubernetes? Please provide as much detail about metrics as possible.

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Kubernetes User Experiences -- 3 Questions for Non-Kubernetes Evaluators

* 28. Do you work for a company that provides products or services related to containers, PaaS, IaaS or software deployment?

○ Yes

○ No

29. Besides Kubernetes, what container orchestration solutions did your enterprise or organization evaluated? What, if any, are currently in use?

	Evaluated	In Use
Apache Mesos or Mesosphere	☐	☐
AWS Elastic Container Service	☐	☐
Azure Container Service	☐	☐
Docker (e.g., Engine or Swarm)	☐	☐
HashiCorp Nomad	☐	☐
Homegrown customization of multiple tools or scripts	☐	☐
OpenStack (e.g., Magnum)	☐	☐
No other solution was evaluated	☐	☐

Other (please specify)

[   ]

30. To what degree are the following inhibiting your enterprise or organization's future adoption of Kubernetes?

	To a great extent	Somewhat	Very little	Not at all	Don't know or not applicable
Use of a competitive container orchestration solution (not homegrown)	◯	◯	◯	◯	◯
Use of homegrown customization of multiple tools or scripts	◯	◯	◯	◯	◯
Complexity of Kubernetes implementation and maintenance	◯	◯	◯	◯	◯
Other projects have a higher priority	◯	◯	◯	◯	◯
Manual orchestration is adequate	◯	◯	◯	◯	◯

Other (please specify)

Kubernetes User Experiences

* 36. How many employees work at your enterprise or organization?

○ 1

○ 2-100

○ 101-1,000

○ > 1,000

○ Don't know

37. Thank you for taking the time to answer our questions. If you would like a copy of the results, please give us your email address. We will only use this email address to communicate with you about this survey.

Email

38. Finally, if you are interested in participating in an in-depth interview, please provide us with your name and enterprise or organization affiliation.

Name

Enterprise or Organization