

Welcome to the Kata Containers User Survey

About You

* 1. Each deployment profile can be marked public or confidential.

- Public: My organization name, location and info shared around our Kata Containers project can be published on katacontainers.io.
- Confidential: All information provided, including my organization name, should be kept confidential to the OpenStack Foundation and Kata Containers Architecture Committee.

* 2. The OpenStack Foundation and Kata Containers Architecture Committee may communicate with me in the future about my usage. Please note we will not disclose your details with third parties.

- Yes
- No

* 3. First Name

* 4. Last Name

* 5. Email

* 6. How likely is it that you would recommend Kata Containers to a friend or colleague?

Not at all likely

Extremely likely

0 1 2 3 4 5 6 7 8 9 10

* 7. What do you like most about Kata Containers, besides “free” and “open”?

* 8. Which areas of Kata Containers require further enhancement? (e.g. Installation, Documentation, GitHub issue feedback / response time, Debugging / tracing, better release management, ease of contribution, etc...)

Your Organization

* 9. Organization Name

* 10. Primary Industry

* 11. Organization Country

* 12. Organization Size

1-9 employees

1,000-9,999 employees

10-99 employees

10,000-99,999 employees

100-999 employees

> 100K employees

* 13. My organization is currently:

Using Kata Containers in production

Currently evaluating Kata Containers

Considering using Kata Containers

Your Environment

14. If you had to choose, which would be the single most important requirement for you?

- Container startup speed (container "boot speed")
- Memory density (maximum number of containers that can be run on a single system)
- Enhanced security
- Ability to use a custom kernel and/or custom roots
- Other (please specify)

15. Which orchestrators do you use?

- Kubernetes
- Docker
- Other (please specify)

16. How would you describe your normal workloads?

- Short-lived (less than 1 minute)
- Long-running (greater than 1 minute)
- A mixture of both short and long-running

17. On a scale of 1 to 5 with 1 being "not important" and 5 being "very important," please rank each of the following:

	1	2	3	4	5
Network performance for containers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Disk performance for containers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Container launch time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Container density	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

18. What is your base host system?

- | | |
|--|---|
| <input type="radio"/> RHEL / CentOS 8 | <input type="radio"/> Ubuntu > 18.04 (newer / latest version) |
| <input type="radio"/> RHEL / CentOS 7 | <input type="radio"/> Ubuntu 18.04 |
| <input type="radio"/> RHEL / CentOS 6 | <input type="radio"/> Ubuntu 16.04 |
| <input type="radio"/> RHEL / CentOS < 6 (old, unsupported version) | <input type="radio"/> Ubuntu < 16.04 (old, unsupported version) |
| <input type="radio"/> SLES 15 | <input type="radio"/> Debian |
| <input type="radio"/> SLES 12 | <input type="radio"/> Fedora |
| <input type="radio"/> SLES 11 | <input type="radio"/> Clear Linux |
| <input type="radio"/> SLES < 11 (old, unsupported version) | |
| <input type="radio"/> Other (please specify) | |

19. Which hypervisor(s) do you use?

- QEMU (default Kata hypervisor)
- Firecracker
- Other (please specify)

20. What storage driver do you use?

- 9pfs
- Devicemapper
- Virtio-fs (are you considering it)
- Don't know

21. Do you use a custom Kata kernel?

- Yes
- No

If yes, which CONFIG options do you add or remove?

22. Do you use a custom-built Kata rootfs?

- Yes
- No

If yes, what changes do you make to it?

23. Do you customise the Kata configuration.toml file?

- Yes
- No

If yes, what changes to the default do you make (vCPUs, memory, machine type, kernel boot parameters, hotplug vfio on root bus, etc.)?

24. What would you like to see improved in Kata?

- Installation experience
- Documentation
- GitHub issue feedback / response time
- Debugging / tracing experience
- More / new features
- Improve existing features (focus on stability / robustness)
- Better release management (more detailed release notes, etc)
- More tests for particular use cases? (e.g., CentOS version x.y with Docker version x.y?)
- Make it easier to contribute to project
- Other (please specify)

25. What kind of support do you require to deploy Kata Containers?

- I need full (24x7) support and am willing to pay for it.
- Paid email support is sufficient for me (if issues are resolved within 24 hours).
- GitHub, mailing list, Slack or IRC support is sufficient for me (if issues resolved within 72 hours).
- I don't need any support.

26. How do you manage installation of Kata Containers? Do you:

- Build from source
- Use distribution packages
- Static tarballs from release page
- kata deploy (docker or kubernetes)

27. How many Kata Containers do you run per node (typically)?

- < 10
- up to 100
- > 100
- It depends on the container images / workloads / tenants
- Still evaluating

28. What QoS class do you use for Kata Pods?

- Guaranteed
- Burstable
- Best effort
- It depends on the container images / workloads / tenants
- Still evaluating

29. Which (if any) Kubernetes networking (CNI) or device plugins do you use or plan to use?

- Flannel
- DHCP
- Macvlan
- Calico
- Weave
- Cilium
- Contiv
- SR-IOV network device plugin
- Other (please specify)

Community Participation

30. If you or your organization are not able to contribute to the Kata Containers project, could you tell us the reasoning? (select one or more)

- I just want to use Kata Containers
- I want to contribute but I don't have time
- Employer does not allow me to contribute
- Too difficult / don't understand how to contribute
- Unsure where to start
- Need someone to mentor me
- Other (please specify)

31. Would you like one of the community members to reach out to you about how you or your organization might be able to contribute?

Potential areas of contribution include:

- Providing machine time / cloud resources.
- Testing a particular feature / environment / configuration combination.
- Helping to write tests / documentation / code.
- Blogging about Kata.
- Raising issues on problems you discover or suggestions on how to improve Kata.
- Performing usability testing (informally) and providing feedback.
- Helping with bug triage / PR reviews.

Yes

No