k0sproject community office hours | Meeting Notes 📅

: https://github.com/k0sproject/k0s

: https://github.com/k0sproject/k0smotron

😄 : CNCF CoC

📅 : Monthly: Last Tuesday

🕐 : 3pm EEST (1 hour)

📹 : k0s Community office hours

Meeting Etiquette 👔

Proposing Agenda Items…

- **Anyone** can propose small-ish items
- Ask/discuss with the group when to schedule
    - Folks may add to meetings on-the-fly (as time permits)
- Follow the CNCF Code of Conduct

General Items 💬

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Call timing notes

The current 3pm EEST time is good for the EU area and for the US East coast, but very bad for the US west coast. We know this. 😀

We've seen most community participation happening in Europe and thus we wanted to start with Europe timing. In the future we plan, or rather are thinking of, setting up a separate call to cover US time zones better. But as this is a community effort, we're open for feedback.

Planned and previous calls

November 25th, 2025

Attendance: ✋ (PLEASE ADD YOURSELF)
- Jussi Nummelin
- Natanael Copa
- Julian Hennig
- Ash Jones
- Roberth Strand
- Aleksei Makhov
- Kimmo Lehto
- Adrián Pedriza Herrero
- Tom Wieczorek

Agenda:
- k0s Incubation application: cncf/toc#1962
- k0s booth at KubeCon Atlanta went well
  - controller/worker separation stood out
  - k0s is "well-scoped"
  - Windows workers were a thing
- Patch releases for 1.34.2 … 1.31.14 are out
  - The last patch releases for 1.32.9 … 1.33.5 were forgotten to be tagged
- K0smotron 1.10 has been released
  - HCP behind Ingress
  - Support for Gateway API: It's not straight-forward
- CGO & DNS stack
  - Disable CGO everywhere possible and force everything to netgo
  - Kine is AFAIK the only one actually needing CGO, but still force it to netgo
  - https://github.com/k0sproject/k0s/issues/6730
- Utilize ZIP for self-extracting archive
  - https://github.com/k0sproject/k0s/issues/6731
- Sysext being requested for k0s: https://github.com/k0sproject/k0s/issues/6732
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October 28th, 2025

Attendance: ✋ (PLEASE ADD YOURSELF)
- Tom Wieczorek
- Natanael Copa
- Roberth Strand
- Aleksei Makhov

- Danil Grigorev

Agenda:
- Backup restore question - does it support different clusters?
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September 30th, 2025

Attendance: ✋ (PLEASE ADD YOURSELF)
- Tom Wieczorek
- Kimmo Lehto
- Tom Wieczorek
- Aleksei Makhov
- Juan Valadas
- Aida Gasanova
- Dmitrii Shishliannikov
- Ali (Relex)

Agenda:
- K0s 1.34 is in the works
- K0smotron 1.7
- New blog! https://blog.k0sproject.io/ https://github.com/k0sproject/blog
- Relex
  - Worker node update with Ansible
  - There seems to be a problem with Autopilot
  - Ingress support for HCP
  - Monitoring for HCPs, docs could be revisited, because it's somehow split up between k0s and k0smotron

August 26th, 2025

Attendance: ✋ (PLEASE ADD YOURSELF)
- Jussi Nummelin (k0s core team)
- Dmitrii Shishliannikov (MKE)
- Ethan Mosbaugh (Replicated)
- Juan Valadas (k0s team)
- Kimmo Lehto (k0s team)
- Adrián Pedriza Herrero (k0s team)
- Aleksei Makhov (k0s team)
- Natanael Copa (k0s team)
- Tom Wieczorek (k0s team)
- Prithvi Raj (OSPO, Mirantis)

- Daniel Holmes (Dev Demand Dan)
- Danil Grigorev (dgrigorev)
- Michael Agbede

Agenda:
- Latest k0s patch releases have been published, following the upstream Kubernetes patch releases.
- Upcoming k0smotron release features
  - Remote control planes: Separate controller nodes and worker nodes across different clusters
  - Ingress for control planes: Challenge is to make in-cluster services use that DNS address, as this usually requires IPs, not DNS names
- Cilum
- Observability in k0s
- k0sctl reset: Should it delete the k0s executable, as well?
- Should k0s reset clean up /usr/libexec/k0s? Should that dir better be somewhere below k0s's data directory?

May 27th, 2025

Attendance: ✋ (PLEASE ADD YOURSELF)
- Jussi Nummelin (k0s core team)
- Dmitrii Shishliannikov (MKE)
- Natanael Copa (k0s team)

Agenda:
- K0s releases out, 1.33 - 1.30 are all up to date with upstream
- Renovate bot getting into use to update dependencies
  - Some minor hiccups need to be figured out
- 1.34 work starting
  - Ipv6 only clusters
  - RISC-V support in the works
    - Images already building for RISC-V, all stock images are supporting RISC-V
    - K0s can be built for RISC-V, no CI yet so we do not pre-build RISC-V artefacts
    - How/where to run the Github runner?
      - https://labs.scaleway.com/en/em-rv1/
        - Probably slow, but might work as a nightly build
  - Windows workers, in experimental state
- https://github.com/k0sproject/k0s/issues/5877
  - We don't want to modify CRDs in a patch release
  - Maybe reuse Repository CRD for OCI registries

Apr 29th, 2025

Attendance: ✋ (PLEASE ADD YOURSELF)
- Jussi Nummelin (k0s core team)

Agenda:
- CNCF Sandbox process updates
- KubeCon NA 2025 CFPs: core team up for collaborations if wanted

Mar 25th, 2025

Attendance: ✋ (PLEASE ADD YOURSELF)
- Jussi Nummelin (k0s core team)

Agenda:
- KubeCon & Rejekts: Tom & Jussi attending both
- CNCF Sandbox process updates

Feb 25, 2025

Attendance: ✋ (PLEASE ADD YOURSELF)
- Jussi Nummelin (k0s core team)
- Natanael Copa (k0s core team)
- Adrian Pedriza (k0s team)

Agenda:
- Patch release in the works: 1.32, 1.31, 1.30 and 1.29
  - 1.29 will have the last patch, upstream is EOL
- CNCF Sandbox status
  - Bit blocked on some legal paperwork, lawyers…. 🙈
- Upcoming talks
  - Scale conf: https://www.socallinuxexpo.org/scale/22x/presentations/kubernetes-and-dragons-linux-kernel-vs-userspace-tools
  - Rejects
    - https://cfp.cloud-native.rejekts.io/cloud-native-rejekts-europe-london-2025/talk/MBHNYK/
    - https://cfp.cloud-native.rejekts.io/cloud-native-rejekts-europe-london-2025/talk/GVHZ7W/
  -

Jan 28, 2025

Attendance: ✋ (PLEASE ADD YOURSELF)
- William Rizzo
- Jussi Nummelin
- Satyam Bhardwaj
- Tom Wieczorek (k0s)
- Mauro Morales (Kairos)
- Juan Valadas (k0s)
- Dimitris Karakasilis

Agenda:
- CNCF Sandbox application status
  - https://github.com/cncf/sandbox/issues/333
- Recent releases
  - Some highlights from 1.32
    - Blog post about to be published
    - CPLB userspace proxy
- k0s on/with/in 😀 Kairos
  - TPM / Attestation
    - Confidential computing: https://kairos.io/docs/advanced/coco/
  - k0s as Kubernetes distribution provider
    - PoC is working, some features missing, but still!
  - Kairos Mesh Network <-> k0s/konnectivity
  - Can Kairos and k0s CI pipelines be connected in some ways?
  - UPX compression does not work AFTER k0s is built
    - https://github.com/k0sproject/k0s/issues/5468
    - Trusted boot "requires" the image to be as small as possible
    - Possible alternatives: systemd signed extensions

Dec 31, 2024

Nov 26th, 2024

Attendance: ✋ (PLEASE ADD YOURSELF)
- Tom Wieczorek
- Natanael Copa
- Juan Valadas
- Kimmo Lehto
- Adrián Pedriza Herrero
- Vikrambir Singh
- Dmitrii Shishliannikov

Agenda:
- K0s slack channels have been approved on the Kubernetes Slack
- Plans for k0s 1.32
  - Userspace CPLB: Draft PR: 5279
    - Kube-proxy is doing something that seems to be required for it which needs to be figured out
    - Plan is to have three proper PRs when ready to be merged
  - Cgroups management
    - Some hard coded values need to be revised
    - They affect things like k0s withCPU manager, k0s in containers …
    - Sensible auto-detection not that easy, mostly because of systemd
- Kubernetes point releases out, plans to release next week

Oct 29th, 2024

- Michael Schmid - Mirantis, Product Manager for k0s
- Jussi Nummelin - Mirantis, k0s "stuff"
- Dmitrii Shishliannikov - MKE
- Natanael Copa - Mirantis, k0s team
- Aleksei Makhov - Mirantis, k0smotron
- Kimmo Lehto - Mirantis, k0s team
- Adrián Pedriza Herrero - Mirantis, k0s team
- Ethan Mosbaugh - Replicated

Agenda: 📝
- k0s 1.31 planned for Monday Sept 30th
- Patch releases planned this week
- k0s 1.32 estimated Mid Jan 2025 (k8s 1.32 is mid december)
  - Milestone: https://githujb.com/k0sproject/k0s/milestone/26
- Slack Channels: https://github.com/kubernetes/community/pull/8079
  - Michael pinged approvers
- CNCF Sandbox: https://github.com/cncf/sandbox/issues/125

○ See if we can meet approvers at Kubecon, Jussi working with Randy on this

Sept 24th, 2024

Attendance: ✋ (PLEASE ADD YOURSELF)
- Michael Schmid - Mirantis, Product Manager for k0s
- Jussi Nummelin - Mirantis, k0s "stuff"
- Dmitrii Shishliannikov - MKE
- Natanael Copa - Mirantis, k0s team
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Agenda: 📝
- k0s slack channels PR: https://github.com/kubernetes/community/pull/8079
  - Still waiting on a review
- k0s access for Replicated Maintainers
  - Waiting on Mirantis IT to provide additional seats
- k0s sandbox: https://github.com/cncf/sandbox/issues/125
  - Will possibly take a couple of months for the process to go through
- KubeCon
  - Jussi planning to go
- k0s 1.31 planned for Monday Sept 30th
  - Still on track
-

Aug 27th, 2024

Attendance: ✋ (PLEASE ADD YOURSELF)
- Michael Schmid - Mirantis, Product Manager for k0s
- Jussi Nummelin - Mirantis, Team lead for k0s stuff
- Dmitrii Shishliannikov - MKE
- Ricardo Maraschini - Replicated
- Natanael Copa - Mirantis, k0s team
- Julian Hennig - Mirantis
- Kimmo Lehto - Mirantis, k0s team
- Ethan Mosbaugh - Replicated
- Aleksei Makhov - Mirantis, k0smotron

Agenda: 📝
- Common Slack Channels for k0s
  - Michael to try to create k0s-dev and k0s-users channels in kubernetes slack
- Jussi working on providing commit access for Replicated Team
  - Working through all the permission stuff, roles, etc.

- k0s Governance documents
  - Jussi and Randy (Mirantis OSS) working on creating a proposal for Governance documents through PR
- Image Builder Repo
  - Review by Randy (Mirantis OSS) and then make it open source
- Joint blogpost of Replicated & Mirantis about k0s maintainership
  - Ethan reach out to Replicated Marketing and connect to Michael which then will connect Mirantis Marketing
- k0s 1.31
  - Plan to release in a couple of weeks
    - Calico issues are a blocker right now
  - PRs that need attention
    - https://github.com/k0sproject/k0s/pull/4866
    - https://github.com/k0sproject/k0s/pull/4865
    - https://github.com/k0sproject/k0s/pull/4500
- Ask to move the community call 1h later, to suit US folks bit more
  - Add details to website etc. to have more publicity
  -

July 30th, 2024

Attendance: ✋ (PLEASE ADD YOURSELF)
- Tom Wieczorek - Mirantis / k0s
- Natanael Copa - Mirantis / k0s
- Dmitrii Shishliannikov - MKE
- Juan Valadas - Mirantis / k0s
- Michael Schmid - Mirantis / k0s (product manager)
- Aleksei Makhov - Mirantis / k0smotron
- Ash Jones

Agenda: 📑
- Config 2.0
  - Will tag all Github issues with Tag around this topic: https://github.com/k0sproject/k0s/issues?q=label%3Aconfig-2.0+
  - Private team call happening 2024-08-20
- Ad-hoc discussions (wait until Jussi is back)
  - We do not currently have general purpose Slack
    - Could create a slack channel in k8s slack like doing for HMC: https://github.com/kubernetes/community/pull/7973
  - Lens forums?
  - Github discussions?

Jun 25th, 2024

Attendance: ✋ (PLEASE ADD YOURSELF)
- Tom Wieczorek - Mirantis / k0s
- Natanael Copa - Mirantis / k0s
- Dmitrii Shishliannikov - MKE
- Juan Valadas - Mirantis / k0s
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Agenda: 📝
- https://github.com/k0sproject/k0sctl/pull/732
- https://github.com/k0sproject/k0s/pull/4524
  - Secret types: Maybe have a raw header secret for non-standard HTTP auth schemes
  - Need to specify URL scheme explicitly, don't default to HTTP
- Kube-router dual-stack support is shaping up! CI passes on PR.
-
- Open mike!

May 28th, 2024

Attendance: ✋ (PLEASE ADD YOURSELF)
- Jussi Nummelin, Mirantis, k0s team lead
- Ricardo Maraschini, Replicated.

Agenda: 📝
- Patch releases out TODAY
  - 1.30.1
  - 1.29.5
  - 1.28.10
  - 1.27.14
- KubeCon CFP
  - CFP closes June 9th
  - K0s core team happy to collaborate with community
- "KEP" process
  - For bigger changes and features, should we have some sort of "KEP" process?
  - What would such a thing look like?
  - Obviously it needs to be light and slim 😀
  - ADR process: https://adr.github.io/
- Images
  - No progress on this area, core team has been swamped in release work
  - Alpine packages has been one concern, could we utilize Oras and OCI registry for those?
- 1.31 work scoping

- ○ Upstream 1.31 scheduled for 13th Aug
- ○ Scoping work for k0s starting
- K0smotron GA
  - ○ Planned for first half of June
- Supporting Oras in autopilot (from
  - ○ Would enable users to host bins and image bundles in OCI registries
  - ○ We agreed to create an ADR proposal for this

Apr 30th, 2024

Attendance: ✋ (PLEASE ADD YOURSELF)
- Michael Schmid - Mirantis, Head of Product & Product Manager for k0s
- Dmitrii Shishliannikov - MKE
- Dan Jones - Replicated CRE
- Evans Mungai - Replicated
- Sergey Goncharov - Mirantis
- Jussi Nummelin - Mirantis, Team lead for k0s stuff

Agenda: 📑
- Inaugural community office hours call🎉🥳👏🤝
  - ○ What is this call about in general
    - ■ K0s Project community to meet, discuss what is going on
- What is core (Mirantis) maintainers working on
  - ○ k0s 1.30 originally planned for 30th April, will now be 6/7th May
  - ○ Biggest changes:
    - ■ [Virtual IP VRRP capabilities](#) (allows to run k0s without loadbalancer capabilities of infrastructure)
      - ● Requires promiscuous mode (should be available eveywhere where there is no loadbalancer)
    - ■ [New EtcdMember Resource](#)
      - ● Allows to patch resource to tell the etcd to leave cluster
      - ● Will allow k0smotron clusterapi to manage etcd
- OpenEBS chart shenanigans…
  - ○ K0s still has capabilities to deploy openebs through helm charts, they are being deprecated through
    - ■ [Originally the helm chart repo URL broke, but has been restored](#). New Archive location not available anymore. This will break again in 6 months.
      - ● Idea to host the chart by k0s itself with some documentation on how to migrate away to user managed openebs charts
        - ○ We do this already for docker images anyway, so would not be too crazy to start to host helm charts ourselves

- - - Concerns: current chart name is part of URL, so changing URL will create new chart name and therefore also install a new version of the helm chart
- Troubleshoot.sh
  - Documentation on how to use troubleshoot with k0s on https://troubleshoot.sh/ https://troubleshoot.sh/explore?category=embedded_cluster
  - + making troubleshoot more k0s friendly
  - PR open for documenting this on k0s side, with decent level of base collectors etc.
    https://github.com/k0sproject/k0s/pull/4336
- Image builds with apko/melange/wolfi?
  - Concerns around keeping track of CVEs with new Images
  - Also discussions of opening the repo which builds the images today
  - Need to reorganize/revamp repos/pipelines on how the images are built in the future
  - Core team wants to keep base images with Alpine, as lead maintainer of Alpine is part of team.