

# Kubernetes Scheduling Interest Group - Descheduler project Meeting notes

## Schedule:

We use the Zoom video conferencing software. You can download it at <http://zoom.us/>

- Changed times: biweekly alternating between 14:30 CET and 19:30 CET
  - First one with new time 19:30 CET Feb 13 2024

### **Meeting:**

[Google Calendar link](#)

Password: 77777

<https://zoom.us/j/841218129?pwd=MzZkTGREcmpISWhhMjlqTHRqRERvQT09>

Or Dial by your location

+1 669 900 6833 US (San Jose)

+1 646 558 8656 US (New York)

Meeting ID: 841 218 129

Find your local number: <https://zoom.us/u/a1OPUsMzI>

If you have a topic, please propose it with a specific date by leaving a comment on the next page of this document.

Please join [kubernetes-sig-scheduling](#) group to receive updates and meeting invites.

## Recordings:

[https://youtube.com/playlist?list=PLEafaZMk8MYyqoSncOkL8uutlcTsUQE\\_g](https://youtube.com/playlist?list=PLEafaZMk8MYyqoSncOkL8uutlcTsUQE_g)

## Social:

We are using the Kubernetes Slack team for online chat: #sig-scheduling on [kubernetes.slack.com](https://kubernetes.slack.com), contact organizers for an invite.

## Code of Conduct:

<https://kubernetes.io/community/code-of-conduct/>

## Organizers:

Lucas Severo Alves: [lucassalves65@gmail.com](mailto:lucassalves65@gmail.com) ([lseveroa@redhat.com](mailto:lseveroa@redhat.com))

Mike Dame: [mikedame@google.com](mailto:mikedame@google.com)

Jan Chaloupka: [jchaloup@redhat.com](mailto:jchaloup@redhat.com)

Amir Alavi: [amiralavi7@gmail.com](mailto:amiralavi7@gmail.com)

## Future Agenda Items (Backlog)

- [ingvagabund] KEP-1397: descheduler integration with eviction API as an alternative to eviction API: <https://github.com/kubernetes-sigs/descheduler/pull/1354>
- Descheduler user use cases

- NodeFit options
- V1alpha2
- OpenTelemetry tracing
- Custom tags for eviction metrics ([Issue](#))
- Roadmap for the project [?]

## July 16, 2024 2:30pm CET [canceled]

- [ingvagabund] KEP: Extend descheduler eviction handling for eviction requests (the current state)
  - <https://github.com/kubernetes-sigs/descheduler/pull/1354>
  - Anything left before the first iteration of the proposal is approved/merged?
- [ingvagabund] removing v1alpha1 from v0.31.0
  - <https://github.com/kubernetes-sigs/descheduler/issues/1375>

## July 2, 2024 7:30pm CET [canceled]

## June 18, 2024 2:30pm CET [canceled]

## June 4, 2024 7:30pm CET [canceled]

## May 21, 2024 2:30pm CET [canceled]

## May 7, 2024 7:30pm CET [canceled]

## Apr 23, 2024 2:30pm CET [moderator:???

- [ingvagabund] Descheduling framework KEP:
  - <https://github.com/kubernetes-sigs/descheduler/pull/1372>
- [ingvagabund] New issue for removing v1alpha1 from v0.31.0:
  - <https://github.com/kubernetes-sigs/descheduler/issues/1375>

## Apr 9, 2024 7:30pm CET [canceled]

## Mar 26, 2024 2:30pm CET [moderator: knelasevero]

- V1alpha1, v1alpha2, v1alpha3, ...
  - V1alpha1 should be deprecated (if not, let's make so) or removed (with announcement)
    - Next release

- Mailing list, issue, release notes,
  - Helm: update to have v1alpha2 as the default version
  - Wrap up v1alpha2 and announce it as complete
- Framework wrap up update and next steps
  - <https://github.com/kubernetes-sigs/descheduler/issues/1187>
  - Turn the [framework proposal](#) into a KEP for us
- KEPs -> implement our process and have designs to share and our mini-internal-KEPs to have our designs explained and documented
  - Come up with templates so people can easily use those

## Mar 12, 2024 19:30 CET [moderator: ingvagabund]

- Update community page and other references to the meeting time
- KEP: Extend descheduler eviction handling for eviction requests
  - <https://github.com/kubernetes-sigs/descheduler/pull/1354>
  - Coming from <https://github.com/kubevirt/community/pull/258>
  - Where do we put descheduler proposals? Under <https://github.com/kubernetes-sigs/descheduler> or <https://github.com/kubernetes/enhancements/tree/master/keps/sig-scheduling>?
  - This is also relevant: <https://github.com/kubernetes-sigs/descheduler/issues/1340#issuecomment-1991443606> since if we want to consider the "history" of previous skips or previous evictions, cronjob approach also makes less and less sense
  - Actions:
    - revisit Filip's evacuation API
    - extend the descheduler with feature gating to flip between eviction API and evacuation API
    - Discuss the evacuation API with the kubevirt folks
- KEP4328: Affinity Based Eviction
  - <https://github.com/kubernetes/enhancements/pull/4329>
  - Actions/thoughts:
    - Make deprecation of the descheduler RemovePodsViolatingNodeAffinity part of the proposal
    - It will be harder to extend the proposal later so if there's anything to put there we need to do it before it gets accepted
    - RemovePodsViolatingNodeAffinity has NodeFit functionality and is global scoped configured, the upstream implementation will be per-pod base => There are currently disparities in the functionality so the descheduler might actually keep the strategy forever to provide the same user experience to existing descheduler users
- Complete Pod Eviction even if no other node candidate exists for rescheduling [jackfrancis]
  - <https://github.com/kubernetes-sigs/descheduler/pull/1363>

Feb 27, 2024 1:30pm UTC [canceled]

Feb 13, 2024 18:30pm UTC [moderator:]

- [Niki] NodeFit: add pod anti-affinity predicate

Jan 16, 2024 17pm UTC [moderator: knelasevero]

- [Filip Krepinsky] Discuss descheduling aspect of Declarative NodeMaintenance KEP
  - <https://github.com/kubernetes/enhancements/pull/4213>
- [Jan, Lucas]: 0.27.x and 0.26.x for fixing otel (backporting <https://github.com/kubernetes-sigs/descheduler/pull/1293> to 1.27 and 1.26)
- [Lucas] discuss meeting cadence again and maybe having alternating times to accommodate more timezones
- [damemi] Consider opentelemetry metrics
  - <https://github.com/kubernetes-sigs/descheduler/issues/1338>
    - Deprecate cronjob approach? [lucas]
    - <https://github.com/kubernetes-sigs/descheduler/issues/1340>
- [Jan] descheduler framework wrap up for next meeting

Nov 21, 2023 17pm UTC [moderator: knelasevero]

- 28.x, 27.x, 26.x releases patching
  - Get together on friday and get those releases out with vulnerability fixing and backporting to supported version
- Framework problems
  - Some PRs stuck with plugin implementations or with things we don't want to merge yet because of things still missing in the framework
  - Sort and PreEviction Sort can already be implemented
  - We want to wait for us to get rid of v1alpha1 before tackling some of the missing things of the framework
    - <https://github.com/kubernetes-sigs/descheduler/issues/1187>
      - Specially `interface` for users to easily register custom plugin
      - And `less arguments` in `pluginregistry.Register`
      - `cachedClient` and other items seem fine to be tackled
- Delete instead of evict
  - Amir has a PR, we can check the implementation and see what makes sense for us with regards to supporting this and what configurations we want
- Times for the community meeting
  - Check with folks that usually join if we can go back to bi-weekly but alternating times. This could get more folks to join for offering more options

Oct 24, 2023 17pm UTC [canceled]

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Aug 29, 2023 17pm UTC [canceled]

Aug 01, 2023 17pm UTC [canceled]

July 11, 2023 17pm UTC [moderator: ingvagabund]

- [ichekrygin] Discuss CRDs policy driven pod descheduling.
- [knelasevero - Lucas] Framework basically done, what's next?
  - <https://github.com/kubernetes-sigs/descheduler/issues/1187>
- Issue triaging/PR reviews

June 6, 2023 17pm UTC [moderator: ingvagabund]

- [damemi] Lucas's PR <https://github.com/kubernetes-sigs/descheduler/pull/1162>
- [a7i] NodeFit Spec <https://github.com/kubernetes-sigs/descheduler/issues/1149>

Apr 11, 2023 17pm UTC [moderator: a7i]

- [damemi] release 1.27 status check
- ~~[ichekrygin] Discuss CRDs policy driven pod descheduling.~~
- [damemi] Stuff to mention in upcoming talks/kubecon
  - framework + v1alpha2
  - customize behavior/ custom plugins
  - namespace filtering in all strategies
  - GitHub stats
  - Categories
    - Availability
    - Cost savings
    - Reliability
  - Opportunity to ask for use-cases (see below)
- Collecting use-cases
  - Google forms to collect use-cases
  - Publish on the website
  -

Mar 28, 2023 17pm UTC [knelasevero - Lucas]

- Change meeting cadence

- Plugin index and implementation approach  
<https://github.com/kubernetes-sigs/descheduler/issues/1089>
- <https://github.com/kubernetes-sigs/descheduler/pull/1100> 1.27 bump failing
- Should we open a descheduler-dev dedicated channel on slack?
- Going over PRs together (if we have time)

Mar 14, 2023 17pm UTC [canceled]

Feb 28, 2023 17pm UTC [canceled]

Feb 14, 2023 17pm UTC [canceled]

- Descheduling loop: <https://github.com/kubernetes-sigs/descheduler/issues/979>

Jan 31, 2023 17pm UTC [canceled]

Jan 17, 2023 17pm UTC (moderator: ingvagabund)

- Descheduling framework update [ingvagabund, knelasevero]
  - Progress over the steps:  
<https://github.com/kubernetes-sigs/descheduler/issues/753#issuecomment-1227422028>
- KubeCon talk areas to discuss
  - Create doc to gather ideas
- [Amir - a7i] Custom tags for eviction metrics ([Issue](#))
- [Amir - a7i] greedy algorithm for least-eviction ([link](#))

Jan 3, 2023 17pm UTC [canceled]

Dec 20, 2022 17pm UTC [canceled]

Dec 06, 2022 17pm UTC [canceled]

Nov 22, 2022 17pm UTC (moderator: knelasevero)

- 1.26 release <https://github.com/kubernetes-sigs/descheduler/issues/940>
- [damemi] (dentrax/harshanrayana): OpenTelemetry tracing
  - <https://github.com/kubernetes-sigs/descheduler/issues/951>
  - <https://github.com/kubernetes-sigs/descheduler/pull/958>
- [damemi]: logging woes
  - <https://github.com/kubernetes-sigs/descheduler/issues/676>

- <https://github.com/kubernetes-sigs/descheduler/issues/811>
  - <https://github.com/kubernetes-sigs/descheduler/issues/965>
  - <https://github.com/kubernetes-sigs/descheduler/pull/831>
  - <https://github.com/kubernetes-sigs/descheduler/issues/991>
    - possibly fixed by <https://github.com/kubernetes-sigs/descheduler/pull/993>
  - [knelasevero] revisit logo - push it forward
    - <https://github.com/kubernetes-sigs/descheduler/issues/978>
  - [knelasevero] (dentrax) Discussion: Leader Election can't be enabled with dryRun
    - <https://github.com/kubernetes-sigs/descheduler/issues/997>
  - [knelasevero] test if pod in chart works
    - <https://github.com/kubernetes-sigs/descheduler/pull/937#issuecomment-1260712871> Which approach do we want to go forward with, now that both are possible
    - (if we have too many topics, we can move some to backlog)
  - <https://github.com/kubernetes-sigs/descheduler/pull/1003>
- Recording: <https://youtu.be/nKlU1kDmw>

## Nov 08, 17pm UTC (moderator: ingvagabund)

- Going through conversion v1alpha1 -> v1alpha2:
  - <https://github.com/kubernetes-sigs/descheduler/pull/974>
  - <https://github.com/kubernetes-sigs/descheduler/pull/999>

Recording:  Kubernetes SIG Scheduling DESCHEDULER Weekly Meeting for 20221108

## Oct 25, 17pm UTC (canceled for KubeCon)

## Oct 11, 17pm UTC (moderator: damemi)

- [ingvagabund] Exclusion of namespaces via preEvictionFilter extension point for node utilization plugins:
  - <https://github.com/kubernetes-sigs/descheduler/pull/967>
- [knelasevero - lucas] logo for the project
  - <https://github.com/knelasevero/descheduler-logo-proposals>
- [knelasevero] scc in e2e
  - <https://github.com/kubernetes-sigs/descheduler/pull/975>
- [knelasevero] options for how to run profiles
  - [https://github.com/kubernetes-sigs/descheduler/pull/974#discussion\\_r991320137](https://github.com/kubernetes-sigs/descheduler/pull/974#discussion_r991320137)
- [knelasevero] test if pod in chart works
  - <https://github.com/kubernetes-sigs/descheduler/pull/937#issuecomment-1260712871> Which approach do we want to go forward with, now that both are possible
  - (if we have too many topics, we can move some to backlog)

Recording:  Kubernetes SIG Scheduling DESCHEDULER Weekly Meeting for 20221011

## Sep 27, 17pm UTC (moderator: knelasevero)

- introduction minutes
- [damemi] descheduler project introduction + v1.25 release (+v1.25.1 release...)
- [ingvagabund] descheduling framework + kubecon 2023 europe talk
  - <https://github.com/kubernetes-sigs/descheduler/issues/753>
  - <https://github.com/kubernetes-sigs/descheduler/issues/837>
  - <https://docs.google.com/document/d/1tWpXoZ6YF3ksnmueM2POwASdxoiLW8y7TXuWfXT8NSo/edit>
  - <https://github.com/kubernetes-sigs/descheduler/pull/955> (nodeFit discussion)
  - <https://github.com/kubernetes-sigs/descheduler/issues/640> (nodeFit discussion)
  - Slides:  
<https://docs.google.com/presentation/d/18zCp7o0e-317ZJEIOjXDxwrYc7k8K7RR9RZ0SkKNIng/edit?usp=sharing>
- [damemi] 1.26 release project board
  - <https://github.com/orgs/kubernetes-sigs/projects/22>
- open discussion

Recording:  [Kubernetes SIG Scheduling DESCHEDULER Weekly Meeting for 20220927](#)

## Sep 13, 17pm UTC (moderator: TBD)

- [username] subject.
- [username] subject:
  - [link](#)