



KubeCon



CloudNativeCon

North America 2023





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High-Volume Data and APIs: The Year in SIG-Apps

Janet Kuo (@janet)

Kenneth Owens (@kow3ns)

Maciej Szulik (@soltys)

Who we are



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Janet Kuo
Software Engineer
Google



Maciej Szulik
Software Engineer
Red Hat



Kenneth Owens
Software Engineer
Snowflake

Meetings:

Biweekly on Mondays

at 12:00 PM EDT / 09:00 AM PDT / 06:00 PM CEST

Slack Channel:

[#sig-apps](#)

Email group:

kubernetes-sig-apps@googlegroups.com

Deploying
and
operating
applications
in
Kubernetes

[Charter](#)



[Annual Report](#)



Job tracking without lingering pods (1.26)

Track pod completions in status

TimeZone in CronJob (1.27)

Allow setting TimeZone in CronJob

Pod Healthy Policy for PDB (1.27)

Policy for handling Running but not Ready pods

Autoremove StatefulSet PVCs (1.27)

Allow opting-in in PVC deletion

Elastic Indexed Job (1.27)

Allows mutating job completions for Indexed Jobs

Retriable and non-retriable failures for Jobs (1.26-1.28)

Allow setting retries based on exit codes and/or pod deletion reasons



StatefulSet Slice (1.27)

Allows a StatefulSet number replicas from an arbitrary ordinal

Pod Index Label for StatefulSets and Indexed Jobs (1.28)

Adds a label informing about the pod index

Job creation annotation (1.28)

Add job creation timestamp to job annotations in a CronJob controller



Replacement of Pods in a Job when fully terminating (1.28)

Include terminating pods in the active pod count

In progress for 1.29



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GA:

Track Ready Pods in Job status

Count pods with Ready condition

Beta:

Retriable and non-retriable failures for Jobs

Allow setting retries based on exit codes and/or pod deletion reasons

Replacement of Pods in a Job when fully terminating

Include terminating pods in the active pod count

Alpha:

Backoff Limit Per Index For Indexed Jobs

Indexed Job's backoff limit mode, counted per index

Charter:

<https://github.com/kubernetes/community/tree/master/wg-batch>

Meetings:

Biweekly on Thursdays

at 10:00 PM EDT / 07:00 AM PDT / 04:00 PM CEST

Slack Channel:

[#wg-batch](#)

Email group:

wg-batch@kubernetes.io

Q&A time



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