



KubeCon



CloudNativeCon

North America 2022

BUILDING FOR THE ROAD AHEAD

DETROIT 2022

Kubernetes SIG Apps Updates

Janet Kuo (@janet)

Kenneth Owens (@kow3ns)

Maciej Szulik (@soltys)

Who we are



BUILDING FOR THE ROAD AHEAD

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Janet Kuo
Software Engineer
Google



Maciej Szulik
Software Engineer
Red Hat



BUILDING FOR THE ROAD AHEAD

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Kenneth Owens
Software Engineer
Snowflake

Meetings:

Biweekly on Mondays

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

Slack Channel:

[#sig-apps](#)

Email group:

kubernetes-sig-apps@googlegroups.com

Deploying
and
operating
applications
in
Kubernetes

[Charter](#)



[Annual Report](#)

Indexed Job (1.24)

Ensures each pod in a job is assigned a specific index

Suspend Job (1.24)

Stops new pod creation and removes in-progress ones

DaemonSet - MaxSurge (1.25)

Allow setting surge during upgrade to minimize downtime

StatefulSet - MinReadySeconds (1.25)

Allow setting minimum number of seconds before marking a pod ready

Pod Deletion Cost (1.24)

Allow users to decide which pods should be scaled first

Track Ready Pods in Job status (1.24)

Count pods with Ready condition

TimeZone in CronJob (1.25)

Allow setting TimeZone in CronJob

GA:

Job tracking without lingering pods

Track pod completions in status

Beta:

Autoremove StatefulSet PVCs

Allow opting-in in PVC deletion

Retriable and non-retriable failures for Jobs

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

ALPHA:

Pod Healthy Policy for PDB (1.26)

Policy for handling Running but not Ready pods

StatefulSet ordinal numbering (1.26)

Allows a StatefulSet number replicas from an arbitrary ordinal

Consolidate Workload controllers life cycle status (1.26*)

Unify controller statuses

* it'll take a bit longer until it's actually alpha

Increase the Reliability Bar

Reliability over features

Open letter to Kubernetes reviewers/approvers

Testing over features

Charter:

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

Meetings:

Biweekly on Thursdays

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

Slack Channel:

[#wg-batch](#)

Email group:

wg-batch@kubernetes.io

Q&A time



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