KubeCon | **CloudNativeCon**

North America 2024

Janet Kuo, Google
 @janetkuo

Kubernetes contributor since 2015
Kubernetes Workloads APIs
First contribution Docs for dev console
Jun 23, 2015

Maciej Szulik, Defense Unicorns
 @soltysh

Kubernetes contributor since 2014

Kubernetes Workloads and Batch APIs

Kubernetes CLI

Steering Committee

First contribution spf13/cobra update

Dec 19, 2014

Kenneth Owens, Snowflake

@kow3ns

Kubernetes contributor since 2017
Kubernetes Workloads APIs
First contribution StatefulSet refactoring
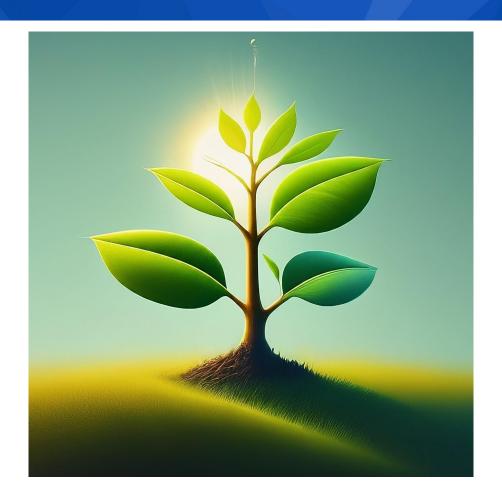Feb 2, 2017

SIG Apps

batch

Job, CronJob

apps

Deployment, DaemonSet, ReplicaSet, StatefulSet

policy

PodDisruptionBudget

Kubernetes v0.2 - September 9, 2014

API
v1beta1 -> v1beta2 -> v1beta3

Resources
Pods, ReplicationController, Service, Endpoint, Event, Minion

Misc
kubecfg -> kubectl

binion -> node

basic authentication
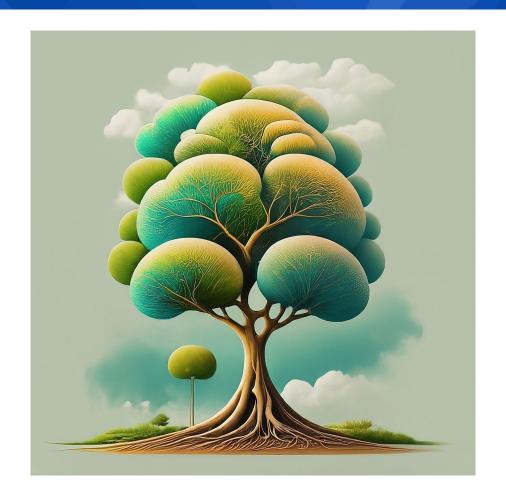
Kubernetes v1.0 - July 10, 2015

API
v1 & v1beta3

Misc
Pluggable scheduler
Basic admission

Controllers

Deployment, DaemonSet, Job (v1.1)

ReplicaSet (v1.2)

PodDisruptionBudget, PetSet (v1.3)

ScheduledJob (v1.4)

PetSet -> StatefulSet (v1.5)

SScheduledJob -> CronJob (v1.5)

Controller expansion

RollingUpdate in DaemonSet (v1.6)
DaemonSet History & Rollback (v1.7)
RollingUpdate in Statefulset (v1.7)
MaxUnavailable in PodDisruptionBudget (v1.7)
BackoffLimit in Job (v1.8)
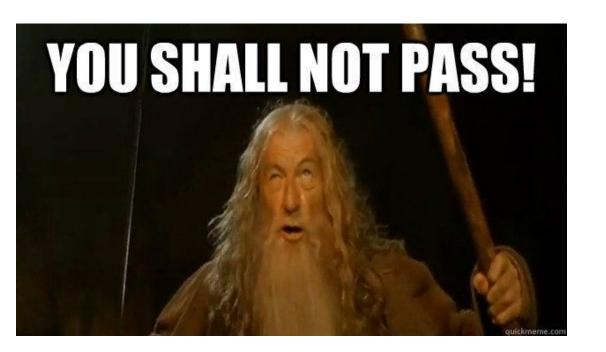Job TTL controller (v1.12)

apps /v1 (v1.9) - GA

Miscellaneous

Kubernetes Enhancement Proposal (v1.4)
5000 nodes (v1.6)
Special Interest Groups (v1.8)

KEP 1635: Require Transition from Beta (v1.20)

CronJob batch/v1beta1
since v1.8

PodDisruptionBudget
policy/v1beta1
since v1.3

Controller expansion (GA features)

CronJob v1 (v1.21)

CronJob Controller v2 (v1.22)

PodDisruptionBudget v1 (v1.21)

MinReadySeconds in StatefulSet (v1.22)

MaxSurge in DaemonSet (v1.25)

StartOrdinal in StatefulSet (v1.31)

Auto remove PVCs created by StatefulSet (v1.32)

Controller expansion (GA features)

Job tracking w/o linkgering Pods (v1.23)

Elastic Indexed Jobs (v1.24)

Suspend in Job (v1.24)

Retriable and non-retriable Pod failures in Job (v1.26)

TimeZone in CronJob (v1.27)

Elastic IndexedJob (v1.27)

Backoff Limit per Index (v1.29)

JobSuccessPolicy (beta in v1.31)

JobPodFailurePolicy, PodDisruptionConditions (v1.31)

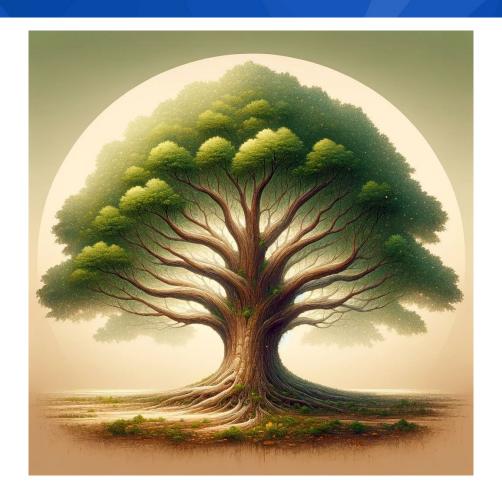managedBy to delegate the Job synchronization (beta in v1.32)

Miscellaneous

CRON_TZ/TZ snafu (v1.23)
WG-Batch (v1.24)
WG-Serving (v1.30)

The backlog is very,.... very long

I THINK WE MIGHT NEED SOME HELP.

More granular PodFailurePolicy
Node maintenance
MaxUnavailable in StatefulSet
Update VolumeClaimTemplate in StatefulSet
Consolidated workload controllers status

Biweekly meeting:

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

Slack:

#sig-apps

Mailing list:

kubernetes-sig-apps@googlegroups.com