THANKS FOR JOINING

THE WEBINAR WILL START IN A BRIEF MOMENT

OpenEBS





Your Presenters:



Murat Karslioglu VP of Products MayaData Inc



Kiran Mova **Chief Architect** Co-Founder MayaData Inc



Brian Matheson Developer Advocate MayaData Inc













OpenEBS adopted by many organizations like

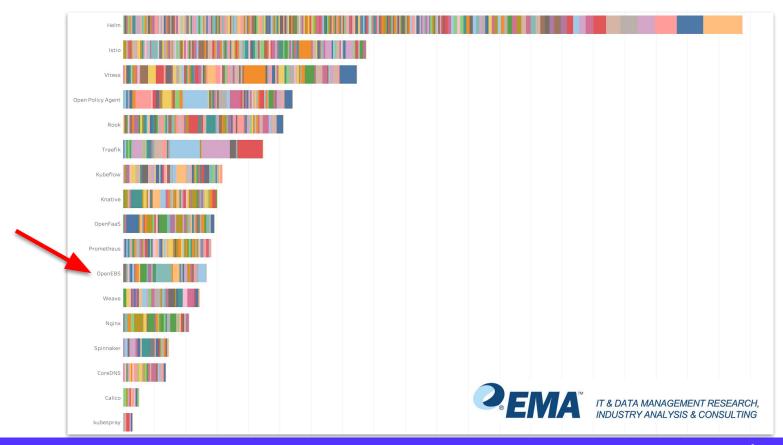




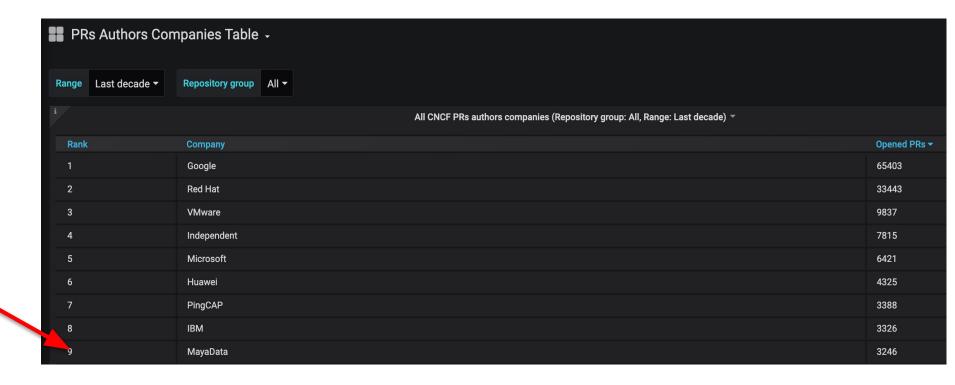


Who turn Kubernetes into a Dataplane

OpenEBS was popular on Twitter During KubeCon



MayaData Contributes a lot of Code to the CNCF





Agenda

- Chat with Project Founder Kiran Mova:
 - The What, Why, and How of OpenEBS
- Top Use Cases for OpenEBS
- Demo: Deploying a stateful app with OpenEBS in 30 seconds
- Product Roadmap 1.5
- Q&A
- Get started and Support



Interview with Kiran Mova

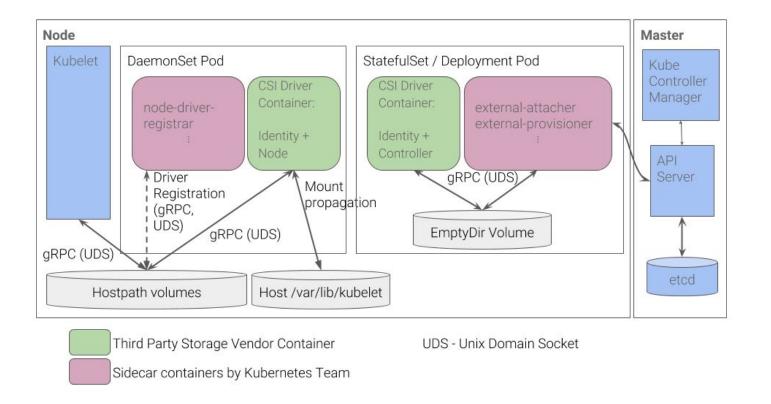




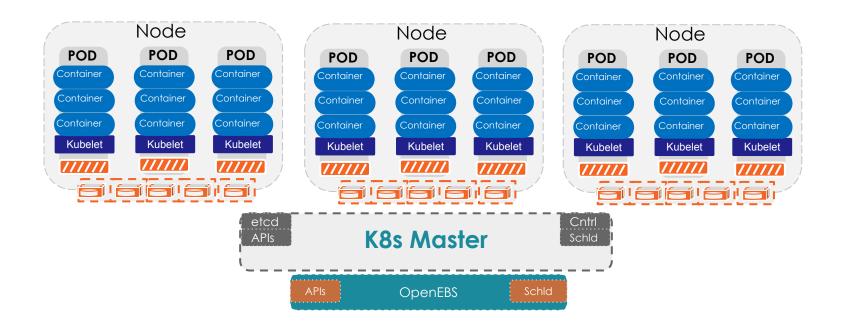
The problem with K8s stateful apps

The problem with CSI & Kubernetes

Using CSI Driver in Kubernetes isn't easy



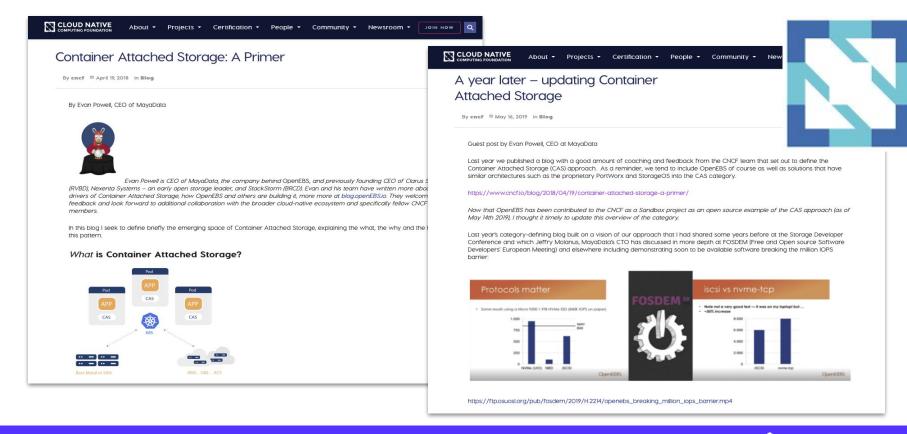
What's OpenEBS and Why Write It?

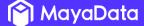


Why are people so interested right now?

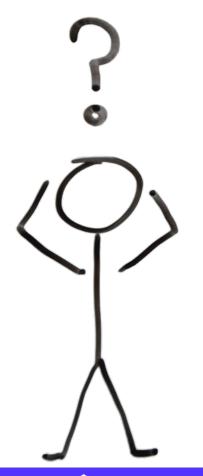
Jan 2017	Initial prototype circulated for feedback with folks working on Rancher, Minio and DevOps personnel
Dec 2017	Launched pre-alpha version with already some initial set of users at KubeCon Austin
June 2018	Beta release of Jiva as well as initial bits on cStor
Dec 2018	KubeCon Seattle - Traction around storage started within Kubernetes. Got coaching to push into CNCF
May 2019	KubeCon Barcelona - Part of CNCF with 0.9 release. Users were already using in production
June 2019	1.0 release
Nov 2019	KubeCon San Diego - Featured on many presentations

Why contribute OpenEBS to the CNCF?





Applications have changed and someone forgot to tell storage



CAS - Container Attached Storage

OpenEBS Solves 2 Big Problems

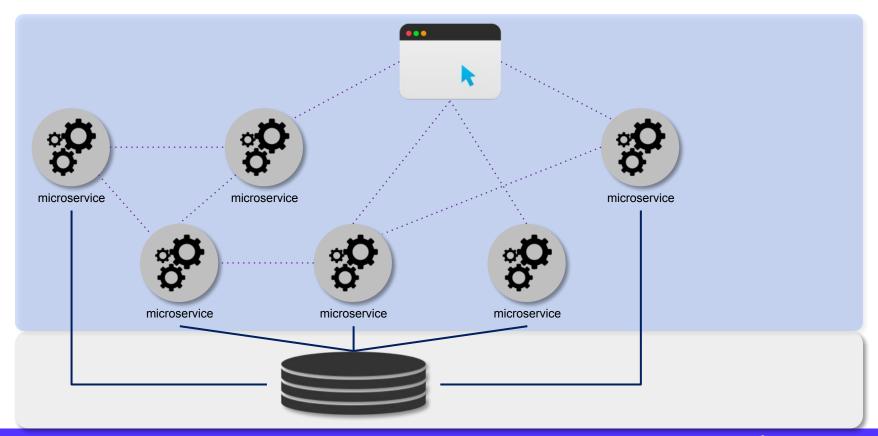


Deploying and managing stateful applications on Kubernetes is difficult

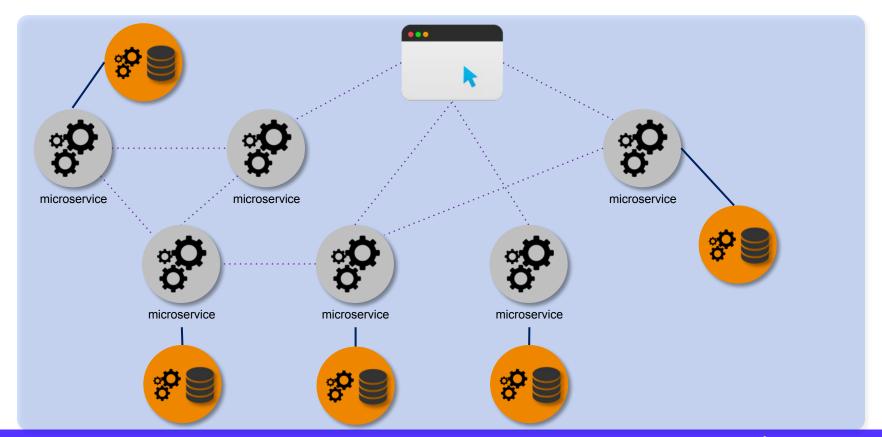


Stateful applications on Kubernetes are not agile because data has gravity

The Problem with Stateful Apps & Storage



Let's Keep it in Kubernetes



What is OpenEBS



OpenEBS is the most active Container Attached Storage project with the biggest user base and community



OpenEBS enables your DevOps teams to have their own storage policies for every workload

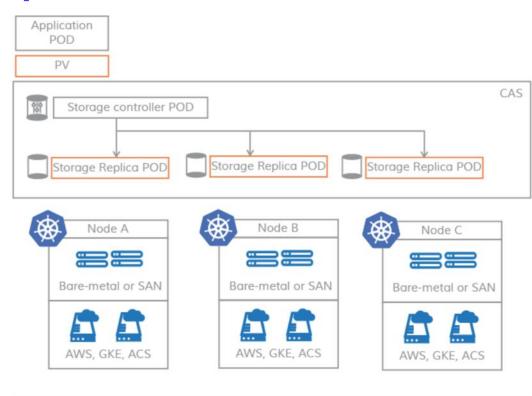


OpenEBS is not a Scale-out Storage System that requires a storage admin. If you know how to use K8s,you know how OpenEBS works



OpenEBS is truly Kubernetes native and 100% in userspace

OpenEBS cStor Architecture



- + Simple configuration
- + Teams are autonomous
- + Additive to underlying systems or cloud volumes or JBODs
- + Target Users:
 - SRE
 - App Developer
 - Storage Admin

SAN or Cloud disks

OpenEBS Use Cases

Example Use cases

Check our resources page for more examples.

https://openebs.io/



Using OpenEBS for StatefulSet

Replication by Application

READ NOW



Using OpenEBS for Deployments

Replication by OpenEBS

READ NOW



Other Integrations

Hybrid cloud scenarios

READ NOW



CI/CD

Save the state of data in CI pipelines

READ NOW



Cross AZ

Achieve high availability of storage across AZs with OpenEBS replication

READ NOW



Blue-Green

Support for Blue Green approach to stateful application

READ NOW



Multi Cloud

Cross Cloud Data operations visibility

READ NOW



Hyperscale

Native Hyper Convergence support for Kubernetes

READ NOW

Demo

OpenEBS What's Coming?

Roadmap for 1.5 and after

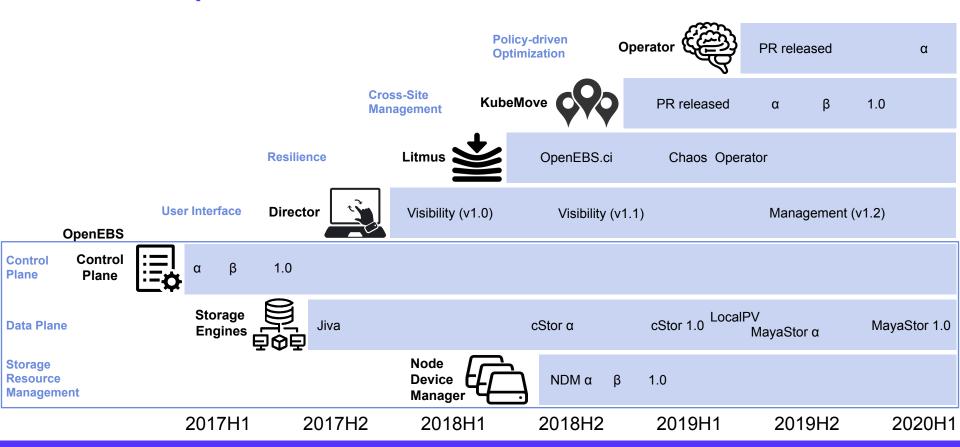
- + Jiva
 - CSI Driver (Alpha)
 - Gotgt fixes and upstream
- + cStor
 - CSI Driver (Beta)
- + LocalPV
 - Block Volume Support
 - PV Metrics
- + MayaStor
 - Replication and rebuilds

- + NDM
 - Device topology
 - Improve NVMe detection
- + Operational:
 - Kudo Operator
 - Arm64 builds, adding cStor
 - Increased E2E + Litmus
 - Autoscale support for K8s
 Design

OpenEBS Public Release Planning



Roadmap for 1.5 and after





Be a part of OpenEBS

Find us on GitHub



https://github.com/openebs/openebs

Join our Slack group



https://openebs.org/community

Sign as an adopter



http://bit.ly/OpenEBSAdopter

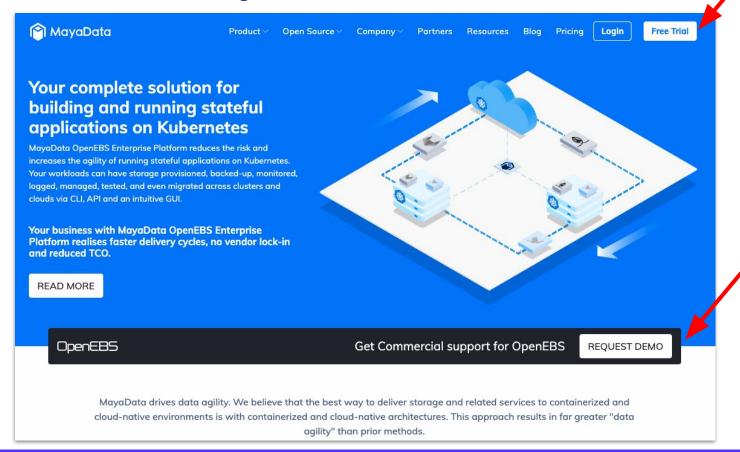
Q & A

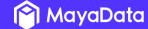
Need OpenEBS Enterprise Support?

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Get Started - Go to mayadata.io







Kubernetes Forums



Register!



Register!





