Welcome to the {code} Weekly, a Newsletter focused on the {code} Community, Team, open source and storage/container trends in the tech industry.

{code} Weekly Highlights

Only a few days until Dell EMC World! In this week's newsletter you can read about new features in REX-Ray 0.9 including community contributions for Cinder, and what we are up to next week at Dell EMC World. To make it super easy to get all the information needed for DEW17 we have created a new landing page, you should check it out here!

Visit Our Website

{code} Community

Working with community members across the world on projects can at times be hard and frustrating. It can also be a really interesting and fun experience, as was shown in a recent contribution to libStorage.

Community members Mathieu Velten and Joe Topjian created code to enable Cinder driver functionality in libStorage, making sure that OpenStack users can leverage the functionality of libStorage and REX-Ray. The Pull Request is a riveting read (really, it's a lot of fun to see the back and forth between the developers for this feature) and you should definitely take a few minutes to see what it looks like to work in and contribute to open source projects.
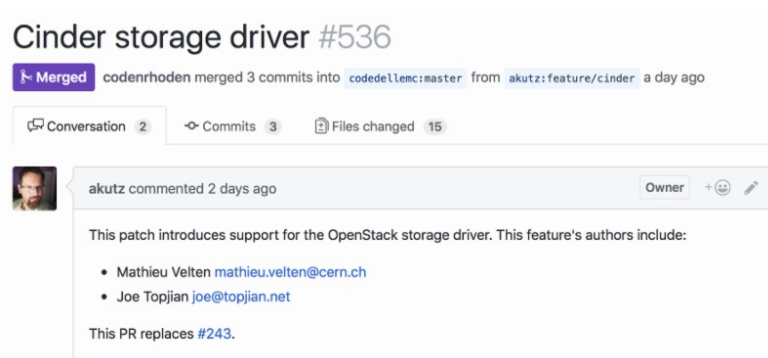
Cinder storage driver merged!

Read up on the PR here and you can read the full release notes here.
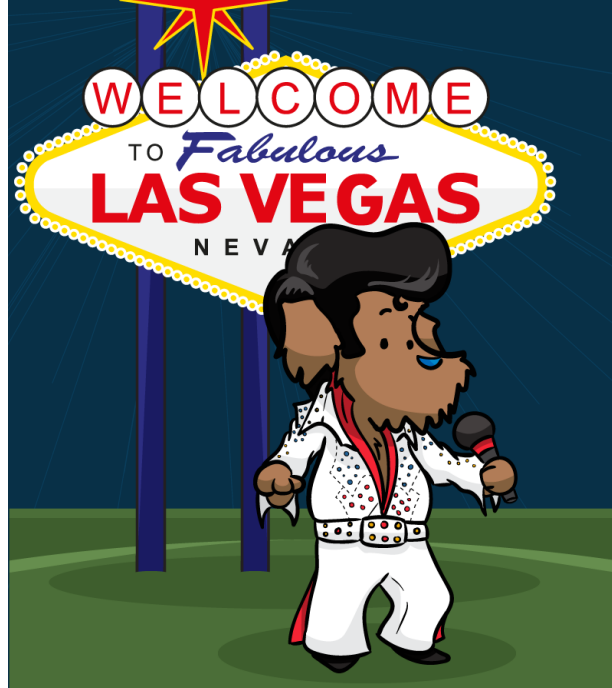
Dell EMC World is just a few days away, and we want to make sure you know where to find us next week! The {code} Catalysts and {code} Team members are speaking at the show on topics ranging from Cassandra, Configuration Management to (of course) tons of container sessions. We also have an awesome Hands-On Lab called "**HOL01 - Use REX-Ray & ScaleIO with Docker, Mesos and Kubernetes**", be sure to check it out!

Read up on everything we're doing at Dell EMC World in this blog post by Amanda Katona and our new DEW17 landing page.

{code} Org.

The {code} team has been hard at work making sure we have a spic-and-span new release of REX-Ray ready for Dell EMC World, and we are proud to show you what all that hard work has resulted in:

Secure by Default
Highlights are built-in TLS encryption and token authentication between agent and controller nodes to secure communications.

Certified Plugins
REX-Ray managed plugins are available in the Docker Store and Docker Certified!

OpenStack Driver
With the REX-Ray 0.9 release comes the re-introduction of the OpenStack Cinder driver.

FlexREX and Kubernetes
REX-Ray 0.9 has upgraded FlexREX to support Kubernetes 1.6.

Welcome to the world, REX-Ray 0.9!

Read more on the release and all the new features in this blog post by Kenny Coleman.

{code} Industry

{code} Catalysts:

- LinuxKit 101: Getting Started with LinuxKit for Google Cloud Platform by Ajeet Raina
- Test-Drive LinuxKit OS on Oracle VirtualBox running on macOS Sierra by Ajeet Raina

Containers:

- Ship Serverless Functions to your Docker Swarm with FaaS by Finnian Anderson
- Secret Distribution in a Containerized World by Diogo Mónica

Open Source:

- SQL is 43 years old - here's 8 reasons we still use it today by SQLizer.io
- The history of how SSH got port 22 by Tatu Ylonen

Other Tech News:

- Introducing Docker's new CEO by Ben Golub
- Picture this: Senate staffers' ID cards have photo of smart chip, no security by Sean Gallagher
- Smart TV hack embeds attack code into broadcast signal-no access required by Dan Goodin

{code} Calendar

Dell EMC World
Las Vegas, NV
May 8-11, 2017

This will be the first Vegas Dell EMC World and we can pretty much guarantee an amazing experience will be had. Come hang out with the team during this

CNCF Webinar Series - Cloud Native Storage with Clint Kitson, Eric Han, and Mark Balch
Webinar
May 17th, 2017

Bringing all of your applications to a cloud native

week in the Expo Hall and 15 sessions. We will send out more details as they become available. It's never too early to start making your plans for this year's Dell EMC World.

Make sure you check out our landing page for all the {code} Catalyst and {code} Team sessions!

Join us! Don't forget to check out the Code & Modern Operations track to get deep dives on containers, cloud native and persistent storage.
The {code} team is giving 15 talks you definitely don't want to miss!

environment is going to be critical in ensuring you are taking full advantage of what containers can deliver. These environments present an opportunity to optimize your applications, including ones that need persistent data, for any cloud.

Join our webcast and hear from industry leaders about both traditional and modern applications and how they use data. Learn the basics of cloud native storage and how you might make choices about cloud and storage platforms supporting your applications.

Register for the webcast here!

How Container Schedulers and Software-based Storage will Change the Cloud
ApacheCon North America 2017
May 17th, 2017
10:15am - 11:05am EDT

Persistent applications can be complex to manage and operate at scale but tend to be perfect for modern schedulers like Apache Mesos. The current trend in Containers is taking their ephemeral nature and turning it upside-down by running databases, key/value stores, WordPress, and etc within them. Internal direct attached storage and external storage are both options in running your long-running, persistent applications. The problem is how do you run these applications and containers in production environments?

Join David vonThenen at ApacheCon NA 2017 for real insight into how 2 Layer Scheduling, as known as the Offer-Accept model, found in Mesos and Software-based Storage enables deployment of managed frameworks and tasks while maintaining high availability, scale-out growth, and automation. This combination of technology will help build a ""Skynet"" like architecture for persistent applications and containers in the cloud.

To stay up to date on where you can find the {code} Team, check out our calendar.

#Overheard

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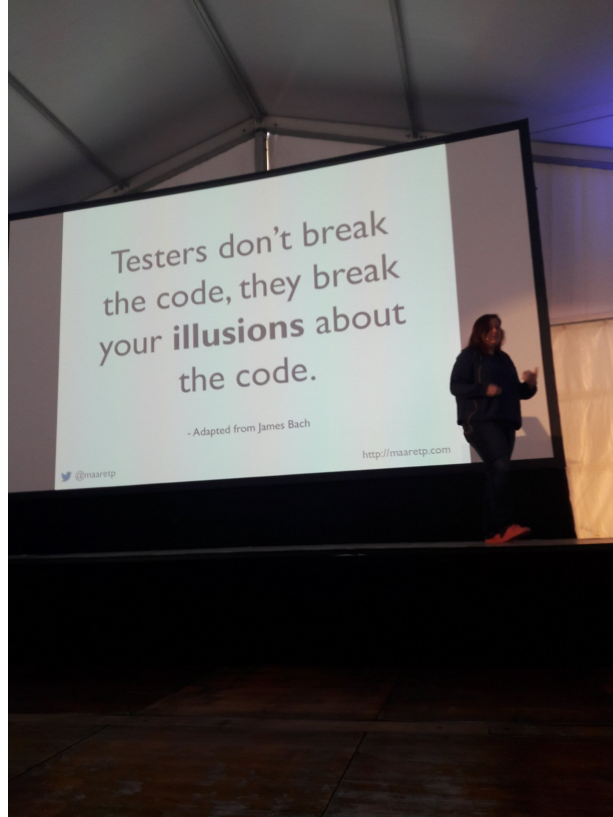
presentation by Maaret Pyhäjärvi, photo by Lina Zubyte