



**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

Because the community of open source and tech (in general) is so rich, we love the opportunities to share our experiences. Read below to find out more about the Mars Challenge hackathon from last week, and check out the storage breakdown of Kubernetes and some advancements we are working on.

[Visit Our Website](#)

## {code} Community

Last week we hosted [Mars Challenge at LISA16](#). It was great to see the open source community and system administrators come together to build, test, fail and battle it out.

The Mars Challenge leaves the teams stranded on Mars in a habitat module with communication channels to Earth severed. Each team must quickly set up a sensor net that will monitor temperature, radiation and solar flare activity. Based on the sensor output they then decide if you want to put your shields up, or charge your shield batteries.

The competing teams came together from different parts of the larger LISA community, and they had to quickly start working together towards a common goal: surviving for as long as possible on Mars.

We want to thank everyone that came by the Mars Challenge and of course our winners!

[Check out the Mars Challenge repo on GitHub here.](#)

Correction: Last week we introduced the newest {code} Community program called the {code} Catalyst Program. We also suggested that you follow the {code} Catalysts on Twitter but failed to provide you with a link... well, here you go! Click here to [follow the {code} Catalyst members](#) on Twitter!



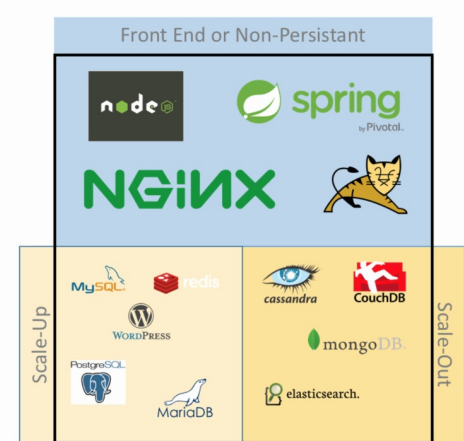
Congrats to the winners this year!

## {code} Org.

**Storage in Kubernetes Explained**

Steve Wong spent some time this week breaking down storage options for pods in [Kubernetes](#), such as Basic Volume Mounts, Persistent Claims, and Dynamic Provisioning. Currently, Kubernetes offers two approaches to storage integration. First is the traditional "in-tree" volume plugin for platforms directly embedded in the Kubernetes code. The other leverages a "facade" plugin based on FlexVolumes. {code} currently has integrations for these two approaches near completion. We are also proposing a third approach for an "out-of-tree" storage driver to be enhanced in Q12017.

[Get the full breakdown on storage and Kubernetes here.](#)



## {code} Industry

### Containers:

- [The Classes of Container Monitoring](#) by Brian Brazil
- [The Container Landscape: Docker Alternatives, Orchestration, and Implications for Microservices](#) by Kai Wähler

### Open Source:

- [Open-source e-voting system from Switzerland](#)
- [Open source and the software supply chain](#) by John Mark Walker
- [Open Source Compliance: The Carrot and the Stick](#) by Patricia Johnson

### Other Tech News:

- [How the Circle Line rogue train was caught with data](#) by Daniel Sim
- [AWS re:Invent 2016: Tuesday Night Live](#) with James Hamilton (Video)

### {code} Catalyst Blogs:

- [The new containerd: An open governance driven embeddable container runtime](#) by Phil Estes
- [Walkthrough: Building distributed Docker persistent storage platform for Microservices using Dell EMC REX-Ray & ScaleIO](#) by Ajeet Singh Raina

## {code} Calendar

### DevOps Remote Conf 2017

January 18&19, 2017

Kendrick Coleman will be giving a talk on "Highly Available & Distributed Containers" to kickstart the year. We will share more details with you as they become available!

Don't forget to register for the conference [here](#).

### Sledding & Snowball Fight

Winter 2016/2017

REX-Ray and Polly are taking to the mountains this holiday season to experience some epic sledding and snowball fights! Will you do the same?

Share with us your winter festivities in the [{code} Community](#) or tweet at us on [Twitter](#)!

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

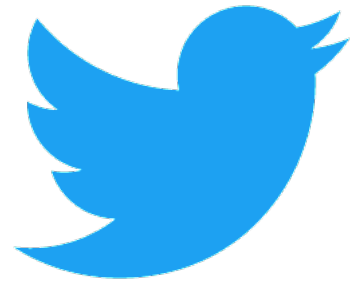
## #OverHeard

Where bad decisions come from:

1. We must do *something*.
2. *This* is something.

3. Therefore we must do *this*."

@bitfield



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For feedback, topic ideas, or corrections please email [emcocode@emc.com](mailto:emcocode@emc.com).

We hope you enjoyed the 95th issue of the {code} Weekly.  
Thanks for subscribing!