



# EMC {code}

Community Onramp for  
Developer Enablement

"CODE OPEN, DEPLOY EVERYWHERE" - EMC believes in open source.  
CODE is here to share and collaborate with developers worldwide.

## HELLO WORLD

Summer is upon us and with that hopefully some time for you to catch up on things you've missed. The EMC {code} team is hard at work in finding and squashing bugs, helping the community grow and finding interesting content for you all. We hope you enjoy the newsletter, and if you're looking for more great content please head over to the [newsletter archive!](#)

We'll continue to distill, aggregate and share news related to the EMC {code} Community and industry happenings. We'll provide the content, but we need your feedback. You can always reach us at [emccode@emc.com](mailto:emccode@emc.com).

## code.community

### DevHigh5 Featured Project Series Continued

Over the last several weeks we introduced [ScaleIO Gateway](#), [Mongoose](#), [Puppet-ScaleIO](#) and [Knife-Storage](#) as featured DevHigh5 Projects. We continue this week with [PyVMAX](#) and [Metalnx](#).

As always, we are very excited to welcome several new projects to the EMC {code} GitHub site. These projects have gone through our DevHigh5 program, which is designed to recognize developers who want to contribute to open source projects. Check out the [EMC {code} Community](#) and our wiki for more information on the [DevHigh5 program](#).

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### code.links

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[#DevHigh5 Program & FAQ](#)

### code.join

**2016 US National Drone  
Racing Championships**  
August 5-7  
Governors Island, NYC

We are excited to announce EMC {code} has been chosen to represent open source at this thrilling event. Get your [tickets here](#). We'd love to see you there!

### LinuxCon/ContainerCon NA

August 22-24  
Toronto, Canada

Head to Toronto Canada for the North American LinuxCon/ContainerCon to hear [Kenny Coleman](#) speak on Wed, August 24 at 11:55AM on [Highly Availability and Distributed Containers](#). Also, be sure to check out the [Open Source Storage](#)



**PyVMAX** is an implementation of a REST client python package for EMC Unisphere for VMAX. It was created to simplify the consumption of the EMC VMAX REST API, and comes with many different examples of how to use it. With PyVMAX you can easily collect pool information about your VMAX array, gather performance data, get capacity information and more. [Scott Brightwell](#) has done a great job with this project, [check it out here](#).

**Metalnx** is a web application designed to work alongside the iRODS (integrated Rule-Oriented Data System). It provides a graphical UI that can help simplify most administration, collection management, and metadata management tasks removing the need to memorize the long list of commands. It features a dashboard for data grid health status, resource administration, access control and much more. It's maintained by [Stephen Worth](#) and his team in North Carolina. and [you can find more information here](#).

Are you working on a project, looking for a project to focus on or have a great idea but don't know how to get started? Reach out to us! Send us an [email](#), hit us up on [Twitter](#) or connect on [Slack](#)! We look forward to working with you!

#### code.team

#### LinuxCon Japan with [David vonThenen](#) and [Steve Wong](#)

Last week David and Steve attended **LinuxCon Japan**. This was a jam-packed week incorporating three conferences rolled into one: LinuxCon, ContainerCon, and Automotive Linux Summit, with an added last day special event 'Open Source Storage Summit' where EMC {code} presented.

[Summit](#) on August 25 following the conference.

Click here to [register](#) for the conference and the Open Source Storage Summit.

#### MesosCon EU

August 31-September 1  
Amsterdam

The team is looking forward to our first conference in Europe this year and is heading to MesosCon EU in Amsterdam. Join us!

Click here to [register](#).

Want to see all of our upcoming events? Check out the [EMC {code} Events Google Calendar](#) to stay up to date!

#### code.overheard



Dear @TSA, I caught  
4 pokemon inside  
the secured  
area of the airport.

What, exactly, are you  
protecting us from?

Apparently nothing

- [@jonisick](#)

#### [Newsletter Archive](#)

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

*The {code} newsletter is edited by  
[Stephanie Carlson](#).*



In David's own words:

"The trip was both rewarding and eye opening - we learned about technology challenges and goals from the perspective of a different part of the world and learned that a lot of the interest in various technology was dictated by the particular industry one was in."



"Steve Wong from EMC {code} spoke at the "Open Source Storage Summit" and offered the audience a choice of either seeing a database or a Minecraft server in a container. Obviously, Minecraft was the unanimous choice. Whether you invest your time in populating a database or a building a Minecraft world, you want the scalability, availability, and durability benefits offered with access to persistent storage. Ultimately, Wong brought down the house with his demo of a Minecraft server in a Docker container in AWS Tokyo using REX-Ray to provision external persistent storage."

Read more about David's and Steve's visit to Japan [over on our blog](#).

## code.industry

### Containers:

- [Serverless Architectures](#)
- [Swarm Mode On A Raspberry Pi Cluster](#)
- [Anchore - container analysis, inspection and control](#)

[system](#)

## Open Source:

- [Roads and Bridges: The Unseen Labor Behind Our Digital Infrastructure](#)
- [Sandstorm - An open source operating system for personal and private clouds](#)
- [My condolences, you're now the maintainer of a popular open source project](#)
- [Building an Open Source Company: Interview with GitLab's CEO](#)

## In Other Tech News:

- [Toyota throws weight behind Linux patent protection group](#)
- [How a 20mb data-set brought down a 14gb ElasticSearch cluster](#)
- [Data Storage Breakthrough Could Store the Library of Congress on a Dust Mite](#)

## code.learn

### Setup Kubernetes the hard way with [Kelsey Hightower](#)

This tutorial will walk you through setting up Kubernetes the hard way. This guide is not for people looking for a fully automated command to bring up a

Kubernetes cluster.



We hope you enjoyed the 75th issue of the EMC {code} newsletter.  
Thanks for subscribing!