Cloud Foundry Focus on Interoperability Continues with Two New Projects Integrating Kubernetes

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Cloud Foundry Foundation (http://www.cloudfoundry.org), home of a family of open source projects including Cloud Foundry Application Runtime, Cloud Foundry Container Runtime, and Cloud Foundry BOSH, announced two new projects have been accepted by the Project Management Committees in order to further integrate Kubernetes with Cloud Foundry technologies. The news was announced at the Cloud Foundry EU Summit (https://www.cloudfoundry.org/event/eusummit2018/) in Basel, Switzerland, taking place today through October 11.

The projects, Eirini and CF Containerization, have been accepted by two of the Cloud Foundry {Project Management Committees (PMCs)|https://www.cloudfoundry.org/projects/], which oversee platform engineering of the open source projects. CF Containerization has been accepted to incubate within the BOSH PMC while Eirini is an incubating effort within the Application Runtime PMC. Announced (https://www.cloudfoundry.org/blog/cloud-foundry-launches-container-runtime-default-container-deployment-method-cloud-fou at last year's European Summit, Cloud Foundry Container Runtime (CFCR) is housed in the Extensions PMC and also takes advantage of Kubernetes.

"Eirini and CF Containerization are the latest examples of the Cloud Foundry community's approach to continuously exploring future evolutionary directions for the platform," said Chip Childers, CTO, Cloud Foundry Foundation. "Developers have made it clear they need a simple, agile and flexible delivery method to push apps to production, which Cloud Foundry Application Runtime delivers. They also have multiple use cases in which deployment and management of software packaged into containers is critical. These new projects demonstrate additional approaches to combining Kubernetes and Cloud Foundry technologies."

Eirini, proposed by IBM and seeing contributions from IBM, SUSE and SAP, is working towards allowing operators and product vendors to use Kubernetes as the underlying container scheduler for the Cloud Foundry Application Runtime. Container schedulers are becoming increasingly commoditized with many businesses standardizing on Kubernetes. The Eirini project's goal is to provide developers with the "cf push" experience that makes it easy to push an app to production on top of Kubernetes.

CF Containerization, initially developed and donated to the Foundation by SUSE, is designed to package Cloud Foundry BOSH releases into containers and deploy those containers into Kubernetes. The intent of this project is to enable operators to deploy the Cloud Foundry Application Runtime into existing Kubernetes clusters.

CFCR, developed and donated by Google and Pivotal, is the Cloud Foundry community's approach to deploying and managing Kubernetes clusters using the BOSH release engineering tool chain. The project makes deploying and managing containers in an enterprise environment easier and more flexible.

In addition to CFCR, Eirini and CF Containerization, the Cloud Foundry community has actively embraced the end user desire for a more consistent operational experience between application and container platforms. There are now projects that focus on shared logging and metrics; unified networking via

technologies like Istio; and Open Service Broker API (OSBAPI)-compliant service catalog synchronization. Recently, the buildpack technology originally popularized by Cloud Foundry and Heroku was accepted into the Cloud Native Computing Foundation, home of Kubernetes, as an incubating project.

All this and more will be discussed at Cloud Foundry EU Summit this week, with more than 1,000 enterprise developers, architects, engineers and executives from around the world expected to attend. Attendees will learn about Cloud Foundry from those who build and use it every day. They will join other developers, end users and CIOs to gain first-hand access to Cloud Foundry roadmaps, training and tutorials, and to see how others are using Cloud Foundry to support continuous innovation and application portability.

Find the full schedule here (https://www.cloudfoundry.org/event_subpages/cfeu-2018-schedule/).

Cloud Foundry is an open source technology backed by the largest technology companies in the world, including Cisco, Dell EMC, Google, Hewlett Packard Enterprise, IBM, Microsoft, Pivotal, SAP and SUSE, and is being used by leaders in manufacturing, telecommunications and financial services. Only Cloud Foundry delivers the velocity needed to continuously deliver apps at the speed of business. Cloud Foundry's container-based architecture runs apps in any language on your choice of cloud — Amazon Web Services (AWS), Google Cloud Platform (GCP), IBM Cloud, Microsoft Azure, OpenStack, VMware vSphere, and more. With a robust services ecosystem and simple integration with existing technologies, Cloud Foundry is the modern standard for mission critical apps for global organizations.

About Cloud Foundry Foundation
The Cloud Foundry Foundation is an independent non-profit organization formed to sustain the development, promotion and adoption of Cloud Foundry as the industry standard platform for cloud applications. Cloud Foundry makes it faster and easier to build, test, deploy and scale applications. Cloud Foundry is hosted by The Linux Foundation and is an Apache 2.0 licensed project available on Github: https://github.com/cloudfoundry (https://github.com/cloudfoundry). To learn more, visit: http://www.cloudfoundry.org (http://www.cloudfoundry.org).

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