OSF OpenStack Foundation

Open Infrastructure Community Meeting

OSF Project & Event Updates

June 25 & 26, 2020

Agenda

- OpenStack Foundation Project Updates
  - OpenStack
  - Airship
  - Kata Containers
  - OpenInfra Labs
  - StarlingX
  - Zuul

- OpenStack Foundation Event Updates
  - Project Teams Gathering (PTG)
  - OpenDev
  - Open Infrastructure Summit

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OSF Project Updates

airship	kata containers	openstack	STARLINGX	ZUUL
Making lifecycle management for open infrastructure simple, repeatable & resilient	Secure, lightweight CRI compatible virtualized containers	Programmable infrastructure for VMs, containers and bare metal	Edge cloud computing Infrastructure for high performance, ultra-low latency applications	CI/CD platform for gating changes across multiple systems/repos
AirshipIt.org	KataContainers.io	OpenStack.org	StarlingX.io	Zuul-CI.org
✓ CONFIRMED	✓ CONFIRMED	✓ CONFIRMED	✓ CONFIRMED	✓ CONFIRMED

PILOT PROJECT:

OpenInfra Labs | OpenInfraLabs.org

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Project Updates

- Projects retirement
    - Congress Retirement: https://review.opendev.org/#/c/728818/
    - Tricircle Retirement: https://review.opendev.org/#/c/731566/
    - Retirement process clarification: https://review.opendev.org/#/c/734648/
- V Goals Selected
    - https://governance.openstack.org/tc/goals/selected/victoria/migrate-ci-cd-jobs-to-ubuntu-focal.html
    - https://governance.openstack.org/tc/goals/selected/victoria/native-zuulv3-jobs.html
- Releases
    - Victoria cycle m-1 release
    - Follow the Victoria release cycle deadlines: http://lists.openstack.org/pipermail/openstack-discuss/2020-June/015415.html

Community Updates

- vPTG for OpenStack Victoria Cycle
    - All etherpad: http://ptg.openstack.org/etherpads.html
    - Summary from projects and TC: https://www.openstack.org/blog/?p=8965
- TC/UC Merge
    - The Technical Committee and the User Committee have started to move forward with merging into a single governance body
    - Link: https://review.opendev.org/#/c/734074/

openstack.

openstack.org

OpenStack is turning 10!

- **Birthday campaign** to celebrate OpenStack's rich and impactful history, while laying the groundwork for the exciting things in its future.

- **"The World Runs on OpenStack"** will be a series of case studies and interviews highlighting how OpenStack has impacted so many things across the globe.

- **Participate by sharing your story**
  - Share your favorites bit.ly/OpenStack10
  - Submit you or your customer's case study
  - Email sunny@openstack.org

openstack.

Project Updates

- Airship 2.0 alpha milestone completed in May
  - End to end demonstration of provisioning workflow
- June Virtual PTG meeting update
  - Higher participation than usually seen in person
  - Included updates on secrets, deployment configurations, and AirshipUI
  - Good cross-team collaboration with StarlingX, Ironic, and Edge Working Group
    - Future opportunities for alignment with StarlingX
- Airship now has a formal Vulnerability Management Process
  - Inspired by OpenStack's process
- Adoption of GitHub Issues
  - Facilitates collaboration across projects

Community Updates

- Airship is entering second cycle of governance
  - TC elections this month, WC elections in July
- Airship User Survey now available here

airshipit.org

Project Updates

- We published two stable releases end of last week - 1.11.1 and 1.10.5
  - these releases include security fixes for CVE-2020-2023 and CVE-2020-2026.
- Kata 2.0 release uses the rust agent as default and makes the switch to ttrpc from grpc as the communication protocol.
  - 2.0.0-alpha1
  - The roadmap of Kata Containers 2.0
  - 2.0 are tracked here
- Check out the Kata Containers update from the Project Teams Gathering

Community Updates

- Are you using Kata Containers? Please take the Kata user survey and provide anonymous feedback to the community.
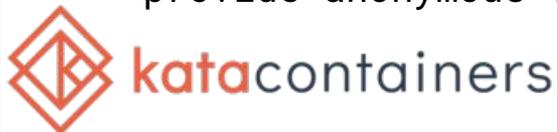
katacontainers

Katacontainers.io

Project Updates

- Confirmed as a full project at the June BoD!!!
- The latest stable release is 3.0 from Jan 2020.
- 4.0 release cycle
  - We are pushing to MS-3 toward a July 2020 release.
  - Larger work items during this cycle:
    - Upversions to OpenStack Ussuri and kernel 4.18.
    - StarlingX platform upgrade support
    - FPGA support enhancements
    - Certificate Management support with cert-manager
    - Kata Containers support

Community Updates

- User adoption is growing but hard to measure
- Are you using StarlingX? Please take the user survey and provide anonymous feedback to the community.

STARLINGX

starlingx.io

Project Updates

- Laying groundwork for Zuul v4 and v5
  a. Zuul v5 will be more scalable and reliable
  b. All components can scale out; no single point of failure
  c. Zuul v4 is the transition period. Upgrade from v4 to v5 should be seamless
  d. Upgrading from v3 to v4 requires some changes for operators
     i. Make sure you have an SQL database
     ii. Make sure all components can connect to ZooKeeper using TLS
  e. Last v3 release has already been made (3.19.0) First v4 release expected soon
- New serial pipeline manager for continuous deployment
- Improved support for managing release jobs in-tree
- Better support for streaming log output for Kubernetes jobs
- GCE Nodepool driver
- Gitlab Zuul driver progressing

ZUUL

zuul-ci.org

Project Introduction
A community, created by and for cloud operators, testing open source code in production, publishing complete, reproducible stacks for existing & emerging workloads, to advance open source infrastructure.

Project Updates

- Moved to GitLab to be more accessible to the operator community
- Open Cloud monitoring requirements discussions ongoing in GitLab board
- Mass Open Cloud and New England Research Cloud (NERC) Architecture's actively being defined
- Red Hat's Operate First Initiative, introduced at the Red Had Summit, has joined the community.
- Project Caerus proposed to address distributed compute and distributed storage

OpenInfra **Labs**

OpenInfra Labs

OSF Events Update

Virtual PTG recap

- **Virtual event, June 1-5**
  - 710 registrations (**largest ever!**)
  - From 53 countries and 148 organizations (**most diverse ever!**)
  - Top 5 countries: USA, China, India, Canada, Germany
  - 44 teams meeting
  - Largest sessions: TripleO, Cinder, StarlingX, OSF Edge Computing Group, Ironic
  - Session attendance: Avg 25, up to 50

- **Tools:** Zoom, Meetpad, IRC, Etherpad, PTGbot

- **Key takeaways**:
  - While certain elements of f2f were missed, virtual format was a success
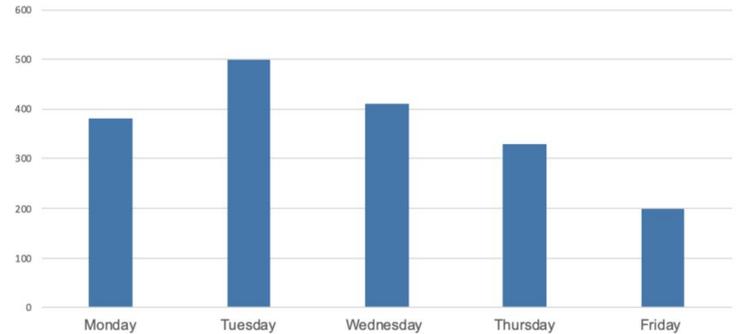
PTG Participation by Day*
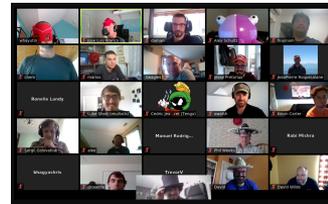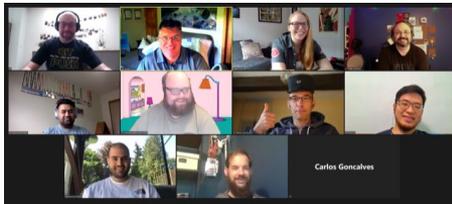
OpenDev Event Series

- **Virtual event series**
  - Discussion oriented, collaborative sessions exploring challenges, sharing common architectures, and collaborating around potential solutions
  - Three events, each event held over multiple days (three hours a day)
  - Thank you to OSF's Platinum and Gold sponsors for helping make OpenDev happen!

- **Register:** openstack.org/events/opendev-2020

- **Schedule**

  - **June 29-July 1: Large Scale Ops (next week!)**

  - **July 20-22: Hardware Automation**

  - **August 10-12: Containers in Production**

OSF Day events going virtual

Many OSF Day organizers are evaluating virtual options for their events. Share your virtual best practices: https://etherpad.opendev.org/p/Virtual_Event_Best_Practices

Upcoming Virtual Events

Cloud Operator Days Tokyo (July 29-30)
- https://cloudopsdays.com/
- Theme 2020 - Approaching the Realities of Cloud Operation
- Categories
  - OpenStack related
  - Application development
  - Troubleshooting
  - Large Scale Cloud Operation
  - Organization Theory

OpenInfra Days China (Aug 16-17)
- Website and CFP go live soon!
- Theme 2020 - Intelligent Open Infrastructure
- Categories
  - AI/Machine Learning
  - Containers Infrastructure
  - Edge Computing
  - Hardware Automation/Large Scale Deployment/Multi-arch support
  - Networking/Storage

Cloud Operator Days
TOKYO 2020

CHINA
OpenInfra Days

Open Infrastructure Summit

- October 19-23 2020

- Programming Committee Nominations now live
  - Deadline July 10th
  - Submit here: https://bit.ly/OIS_PC

- Call for Presentations coming soon!
  - Accepting submissions beginning July 1
  - Deadline August 4

- Email summit@openstack.org with any questions

Get Involved!

- Share case studies, tutorials, project updates on OSF community channels
  - Project blogs - OpenStack, Airship, Kata Containers, and StarlingX
  - Superuser Magazine

- Join the virtual events coming up!
  - OpenDev: Large Scale Usage of Open Infrastructure
  - OpenDev: Hardware Automation
  - OpenDev: Containers in Production

- Get involved in the 10 years of OpenStack campaign
  - Contact Sunny Cai, sunny@openstack.org
  - Tell us about what your top 10 favorites about OpenStack are
  - Join the July 16 community meeting to celebrate!

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Questions?

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