

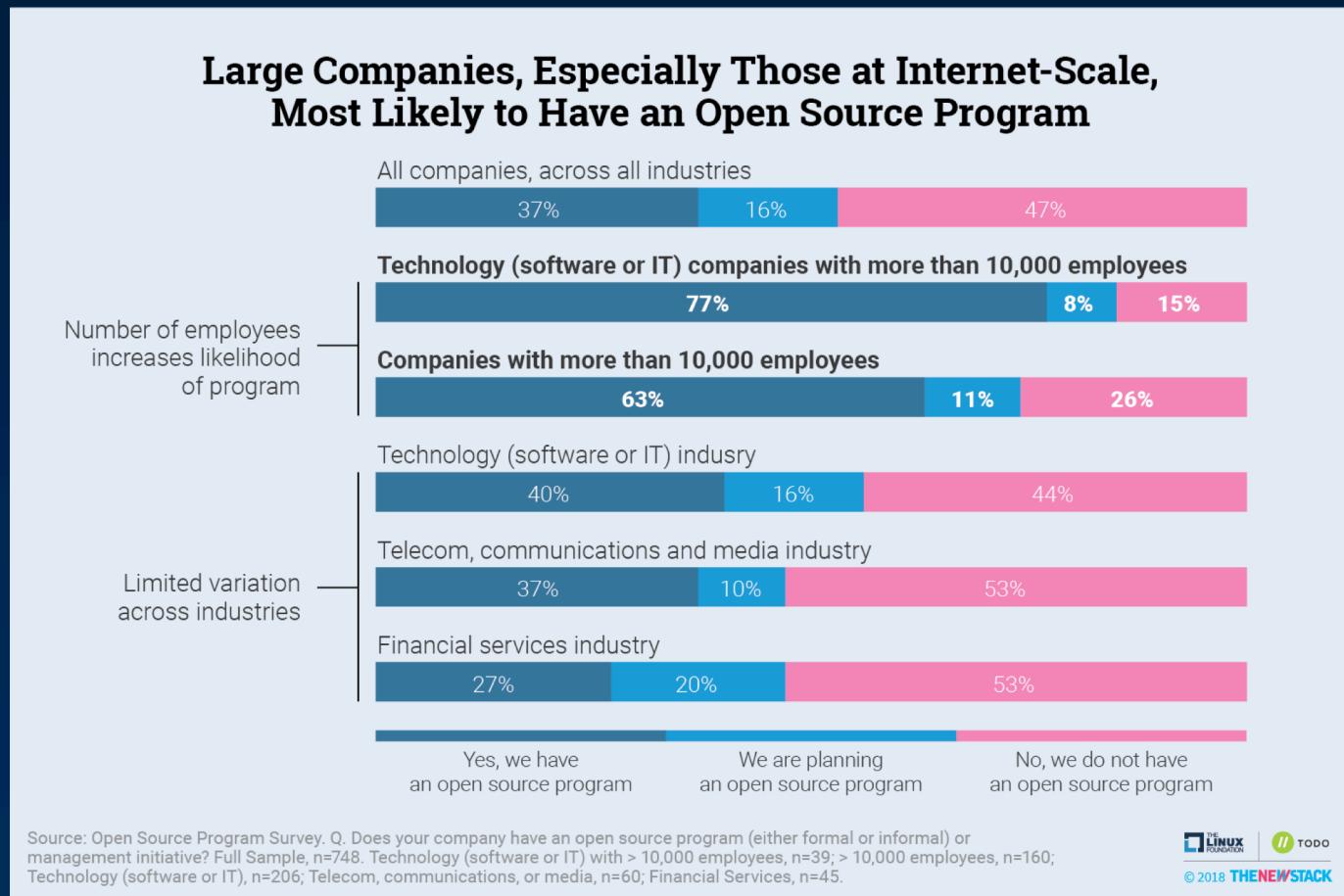
Your Team's Open Source Contributions, in One Dashboard

Alex Courouble - @alexcourouble
Feb 1, 2019



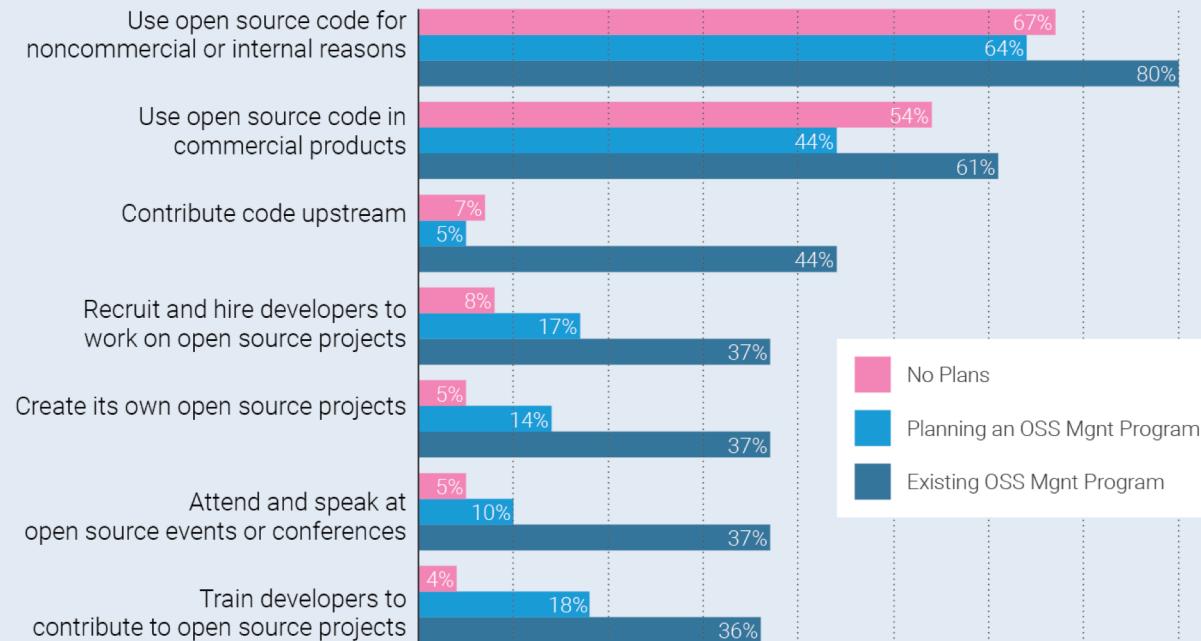
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Open Source Program Office in the Industry



Open Source Program Office in the Industry

Companies with OS Programs More Likely to Contribute Code, Recruit OS Developers and Create New Projects



Source: Open Source Program Survey. Q. How often does your company do the following activities?
Existing OSS Management Program, n=278; Planning an Open Source Program Management, n=119; No Plans, n=347.



OSTC at VMware

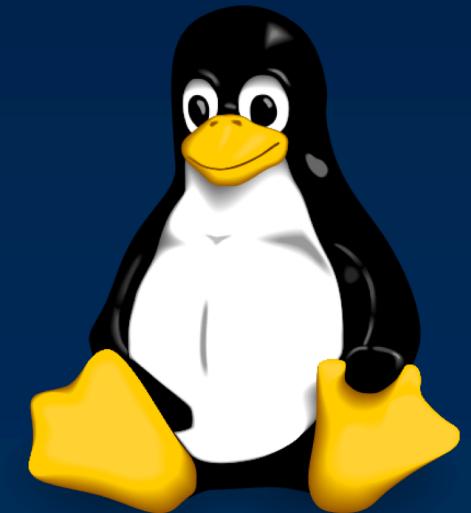
- Establish VMware as an open source good citizen, contributing for the good of the projects and the industry
- Build VMware's presence and influence in relevant projects through meaningful contributions and participation
- Develop and promote VMware standards for best practices in open source development and engagement with external communities
- Mentor internal teams to increase VMware's open source competency and expertise

Contributions

- Orchestration and Containers (K8s, Tern, ...)
- Service Mgmt (Service Mesh)
- Linux, Tracing, Real Time
- Security
- IoT and Edge



EDGE X FOUNDRY™



Growing Team

From 2 to 24 Software Engineers in 2 Years!

Tracking Everyone's Work: Weekly Status Update

- Pull Request Reviewed
- Pull Requests (patches) Submitted
- Issues Opened
- Comments on Issues
- Community involvement
- Talk given/attended
- Any relevant activity

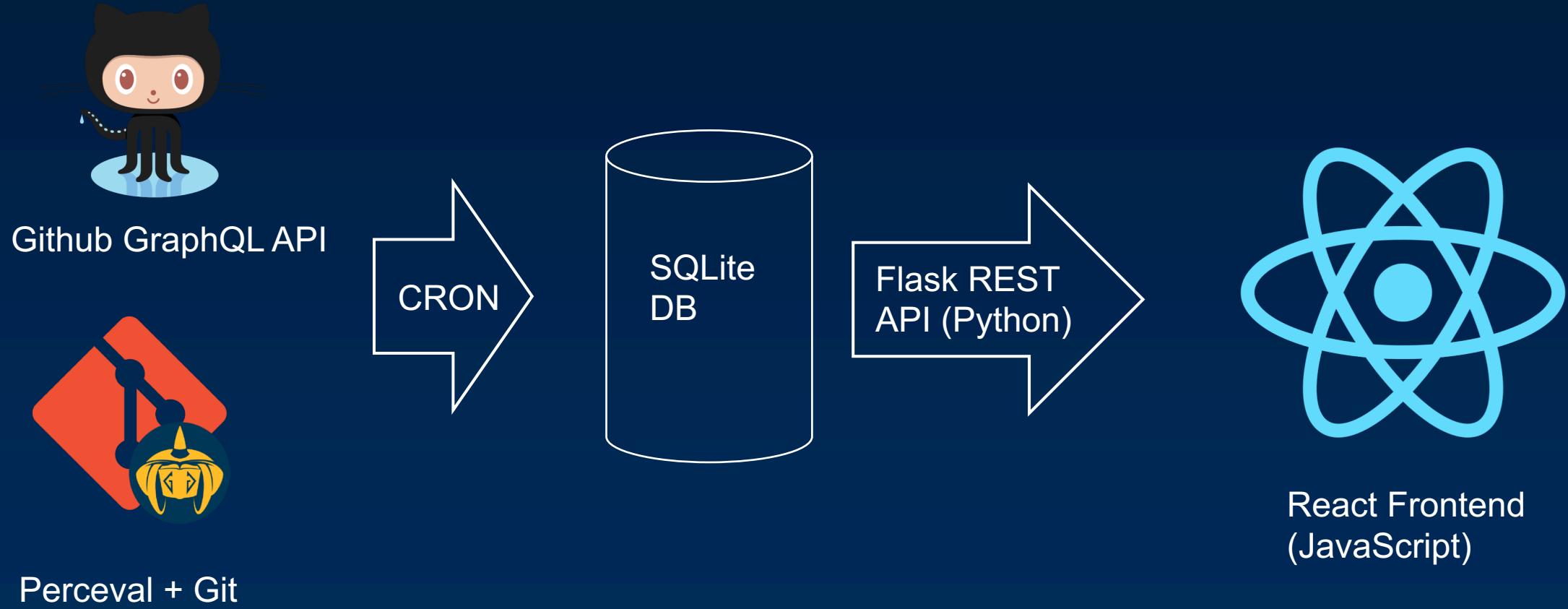
Weekly Update: Lubomir 11/09/2018

* Kubernetes (k8s):
Highlights:
- Sponsored the membership of a new kubeadm contributor from Brazil:
<https://github.com/kubernetes/org/issues/235>

Detail:
- Reviewed PR that fixes panic in kubeadm certs renewal command:
<https://github.com/kubernetes/kubernetes/pull/70551>
- Reviewed PR that makes a kubeadm DNS related utility addition:
<https://github.com/kubernetes/kubernetes/pull/70555>
- Sent review for a PR that exposes a custom flag from kubeadm to the kubelet:
<https://github.com/kubernetes/kubernetes/pull/70603#pullrequestreview-171298140>
- Created proposal PR for the recent k8s yaml parsing library fork for improving error logging:
<https://github.com/kubernetes-sigs/yaml/pull/7>
- Created small PR for the recent k8s yaml parsing library fork for fixing a CI issue:
<https://github.com/kubernetes-sigs/yaml/pull/8>
- Became a member of kubernetes-sig after being eligible for it being a member of the kubernetes org already.
- Reviewed PR that refactors the kubeadm mark-control-plane phase:
<https://github.com/kubernetes/kubernetes/pull/70625#pullrequestreview-171370311>
- Saw parts of the SIG Architecture 2018101 VOD
- Saw parts of the Steering Committee 20181024 VOD
- Reported IPv6 issue by K8s user and investigated a little:
<https://github.com/kubernetes/kubeadm/issues/1212>
- Reviewed PR that adds a new kubeadm phase upload-config:
<https://github.com/kubernetes/kubernetes/pull/70405#pullrequestreview-171629077>
- Reviewed PR that adds a mark-control-plane phase to kubeadm:
<https://github.com/kubernetes/kubernetes/pull/70625#pullrequestreview-171642663>
- Joined SIG Release team meeting on Monday.
- Sent small kubeadm bugfix PR for the new phases code:
<https://github.com/kubernetes/kubernetes/pull/70666>
- Discussed a jitter solution which was added to the cluster-api-vsphere provider code base:
<https://github.com/kubernetes-sigs/cluster-api-provider-vsphere>
- Had another view of this PR that creates a kubeadm command for self-hosting:
<https://github.com/kubernetes/kubernetes/pull/69878>
- Joined SIG Cluster Lifecycle meeting on Tuesday.
- Joined SIG Node meeting on Tuesday.
- Investigated a problem with k8s and godep where git's abbrev=12 is needed:
<https://github.com/kubernetes/kubernetes/issues/70686#issuecomment-436398997>
- Joined SIG Testing meeting on Tuesday.
- Joined kubeadm office hours on Wednesday.
- Joined Cluster API meeting on Wednesday.
- Reviewed PR that adds bootstrap-token phase to kubeadm:
<https://github.com/kubernetes/kubernetes/pull/70727#pullrequestreview-172587195>
- Sent PR that fixes a small issue with kubeadm and kubeconfig files:
<https://github.com/kubernetes/kubernetes/pull/70763>
- Created cherry-pick PR for the 1.12 branch that fixes a panic in kubeadm certificate code:
<https://github.com/kubernetes/kubernetes/pull/70768>
- Sent a bug fix PR that tries to fix a problem in kubeadm's certs renew code:
<https://github.com/kubernetes/kubernetes/pull/70772>
- Joined VMware k8s cross-BU meeting on Thursday.
- Joined k8s community meeting on Thursday.
- Joined SIG arch meeting (second half).
- Joined a late-night 2 hour kubeadm meeting with the SIG leads discussing remaining items for 1.13.
- Spent time investigating how JSON and YAML is decoded in k8s' apimachinery. Sent test PR that tries to solve:
<https://github.com/kubernetes/kubernetes/pull/70839>
- Send a couple of small bugfix PRs for the k-sigs/kind project:
<https://github.com/kubernetes-sigs/kind/pull/97>
<https://github.com/kubernetes-sigs/kind/pull/98>
- Joined k8s release 1.13 burndown meeting on Friday.
- Helped a contributor by rebasing and resending his PR after he was having git issues:
<https://github.com/kubernetes/kubernetes/pull/70885>
- Reviewed a PR that removes a kubeadm feature gate:
<https://github.com/kubernetes/kubernetes/pull/70849>

* Other:
- Completed FY20 R&D Training Needs Analysis Survey.
- Had to do some construction work on Monday morning + early afternoon. Spent some hours here and there during.
- Completed a Voice of VMware survey on Tuesday.
- Saw the "Technology Superpowers" presentation at VMWorld (VOD).

Architecture



Contributions

Start date:

Jan 17, 2019

End date:

Jan 31, 2019

Totals

- 67 commits authored
- 119 commits committed (merged)
- 84 pull requests merged
- 398 comments on 230 pull requests
- 60 issues opened
- 296 comments on 193

openfaas/templates

Pull Requests Comments: 2

- Alex Ellis submitted 2 comments on 1 pull requests

Issues Opened: 1

- Bart Smykla submitted [Create official Rust template](#) on Jan 31 2019

Issue Comments: 2

- Bart Smykla submitted 1 comments on 1 issues
- Alex Ellis submitted 2 comments on 1 issues

kubernetes/kubeadm

Issues Opened: 6

- Lubomir I. Ivanov submitted [cleanup: master -> control-plane](#) on Jan 31 2019
- Lubomir I. Ivanov submitted [Decide on how to handle the extra arg we use in `kubeadm join`](#) on Jan 30 2019
- Lubomir I. Ivanov submitted [Update CRI docs for Docker 18.09](#) on Jan 30 2019
- Lubomir I. Ivanov submitted [Remove rktlet from the CRI install docs](#) on Jan 28 2019
- Lubomir I. Ivanov submitted [update the document about CLI reference docs](#) on Jan 26 2019
- Rostislav M. Georgiev submitted [Deprecate and remove --cri-socket flag from kubeadm upgrade apply](#) on Jan 21 2019

Issue Comments: 2

Project:

Project

Organization:

kubernetes

Start date:

Jan 17, 2019

End date:

Jan 31, 2019

Totals

- 9 commits authored
- 10 commits committed (merged)
- 19 pull requests merged
- 209 comments on 106 pull requests
- 10 issues opened
- 126 comments on 82

kubernetes/kubeadm

Issues Opened: 6

- Lubomir I. Ivanov submitted [cleanup: master -> control-plane](#) on Jan 31 2019
- Lubomir I. Ivanov submitted [Decide on how to handle the extra arg we use in `kubeadm join`](#) on Jan 30 2019
- Lubomir I. Ivanov submitted [Update CRI docs for Docker 18.09](#) on Jan 30 2019
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- Rostislav M. Georgiev submitted [Deprecate and remove --cri-socket flag from kubeadm upgrade apply](#) on Jan 21 2019

Issue Comments: 40

- Lubomir I. Ivanov [commented](#) on an issue [Improve contributor experience with a developer getting started guide](#) on Jan 31 2019
- Lubomir I. Ivanov [commented](#) on an issue [Tracking issue for Certificates copy for join --control-plane](#) on Jan 30 2019
- Lubomir I. Ivanov [commented](#) on an issue [Upgrading to 1.13.1 annotates wrong cri socket](#) on Jan 30 2019
- Lubomir I. Ivanov [commented](#) on an issue [Unable to deploy cluster using custom hyperkube image from my docker repository](#) on Jan 29 2019
- Rostislav M. Georgiev [commented](#) on an issue [`kubeadm init/join phase` is not checked for typos](#) on Jan 29 2019
- Lubomir I. Ivanov [commented](#) on an issue [Remove dependency: difflib](#) on Jan 29 2019
- Lubomir I. Ivanov [commented](#) on an issue [`kubeadm init/join phase` is not checked for typos](#) on Jan 29 2019
- Lubomir I. Ivanov [commented](#) on an issue [Fix failing unit tests](#) on Jan 28 2019
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- Lubomir I. Ivanov [commented](#) on an issue [Auto detect CRI](#) on Jan 28 2019
- Rostislav M. Georgiev [commented](#) on an issue [Auto detect CRI](#) on Jan 28 2019
- Lubomir I. Ivanov [commented](#) on an issue [Remove rktlet from the CRI install docs](#) on Jan 28 2019
- Lubomir I. Ivanov [commented](#) on an issue [or docker/external components recommended versions](#) on Jan 28 2019

Charts

Commits Authored



Commits Committed



Pull Request Merged



Issues Opened



Future Work

- Team View
- Using Sorting Hat for Identities
- Graphs
 - Person
 - Team
 - Project
 - Any entity
- Open source / Upstream parts of the implementation
 - GraphQL API github to perceval?

Demo