

Advancing the Future
of CI/CD together

Tracy Miranda
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Tracy Miranda



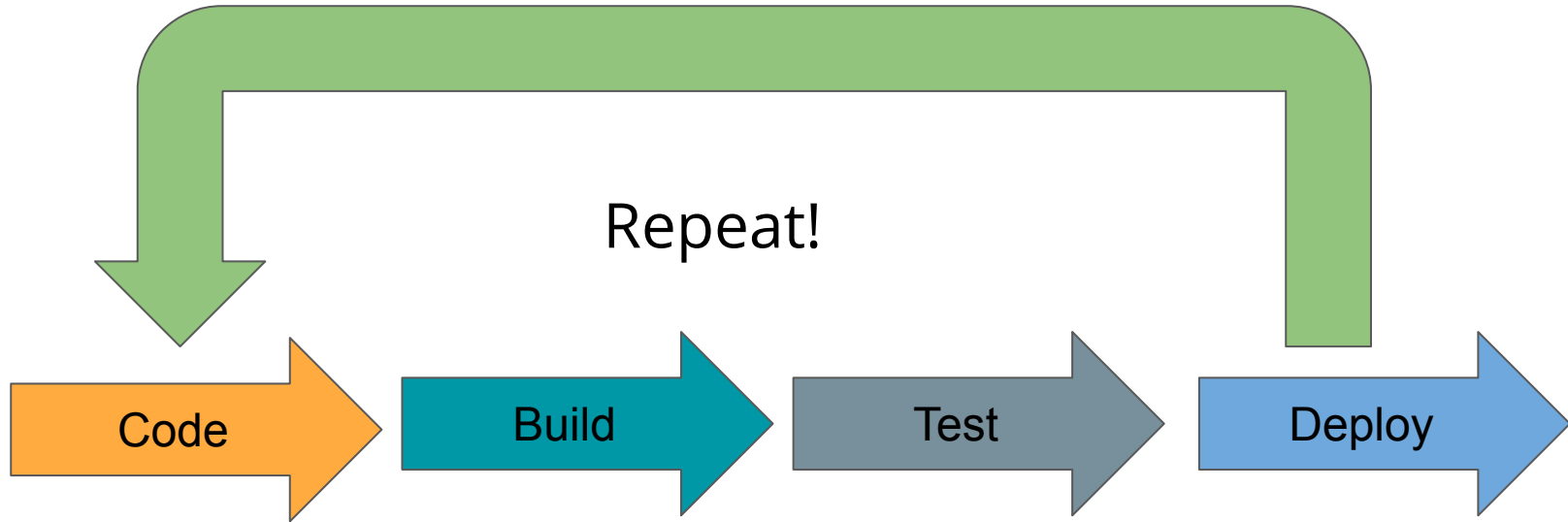
Director of OSS @ CloudBees

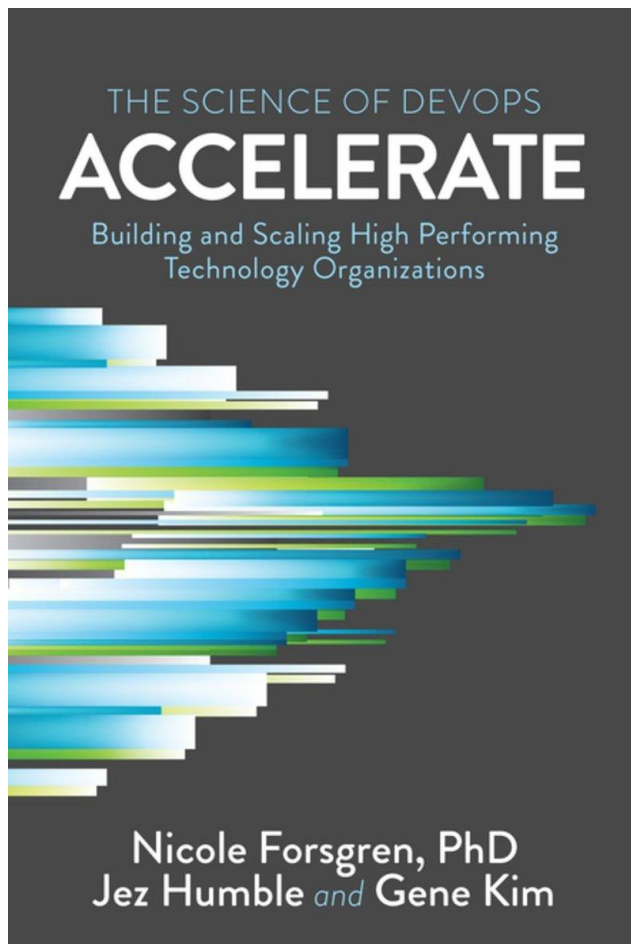
Governing Board @ CD.Foundation

Co-instigator of #GreatBrexitPubCrawl

@tracymiranda

Continuous Delivery





“Software delivery is an exercise in continuous improvement, and our research shows that year over year the best keep getting better, and those who fail to improve fall further and further behind.”

- Nicole Forsgren



Challenges in the CI/CD Space

1. Rise of microservices & cloud native technology
2. Fragmented CI/CD tool landscape
3. Change is hard!

CD.Foundation

On 12th March 2019, the CDF was formed as the new open source home of Jenkins, Jenkins X, Spinnaker and Tekton.



Jenkins



Spinnaker



TEKTON



JENKINS X

Forbes

Billionaires

Innovation

Leadership

Money

Consumer

9,055 views | Mar 25, 2019, 12:37am

Why The CDF Launch From Linux Foundation Is Important For The DevOps And Cloud Native Ecosystem



Janakiram MSV Contributor

Enterprise & Cloud

I cover Cloud Computing, Machine Learning, and Internet of Things

Earlier this month, the Linux Foundation announced the formation of [Continuous Delivery Foundation \(CDF\)](#) – a new foundation that joins the likes of Cloud Native Computing Foundation (CNCF) and Open Container Initiative (OCI).

Continuous Integration and Continuous Delivery (CI/CD) has become an essential building block of modern application lifecycle management. This technique allows business to increase the velocity of delivering software to users. Through CI/CD, what was once confined to large, web-scale companies became available to early-stage startups and enterprises.



Industrial Pipelines POUABAY

A neutral home for
the next generation
of continuous
delivery
collaboration





Tara Hernandez
@tequilarista



Sitting at the board meeting for [@CDeliveryFdn](#) this morning and made a delighted realization. Do you see it? :.) [#womenintech](#)



CDF 9 Strategic Goals

1 Drive Continuous Delivery Adoption

through education & disseminating emerging practices.



2 Cultivate Growth of Projects

sustain our OSS projects and grow our portfolio



3 Foster Tool Interoperability

and integration for all CI/CD tools



4 Champion Diversity & Inclusion

and get real about our biases and assumptions.



5 Foster Community Relations

solicit priorities & collaborate with other communities



6 Grow the membership base

and find ways to include different classes of members



7 Create value for all members

devs, practitioners and member organizations



8 Promote security as a 1st class citizen

and make it easier to deliver secure software



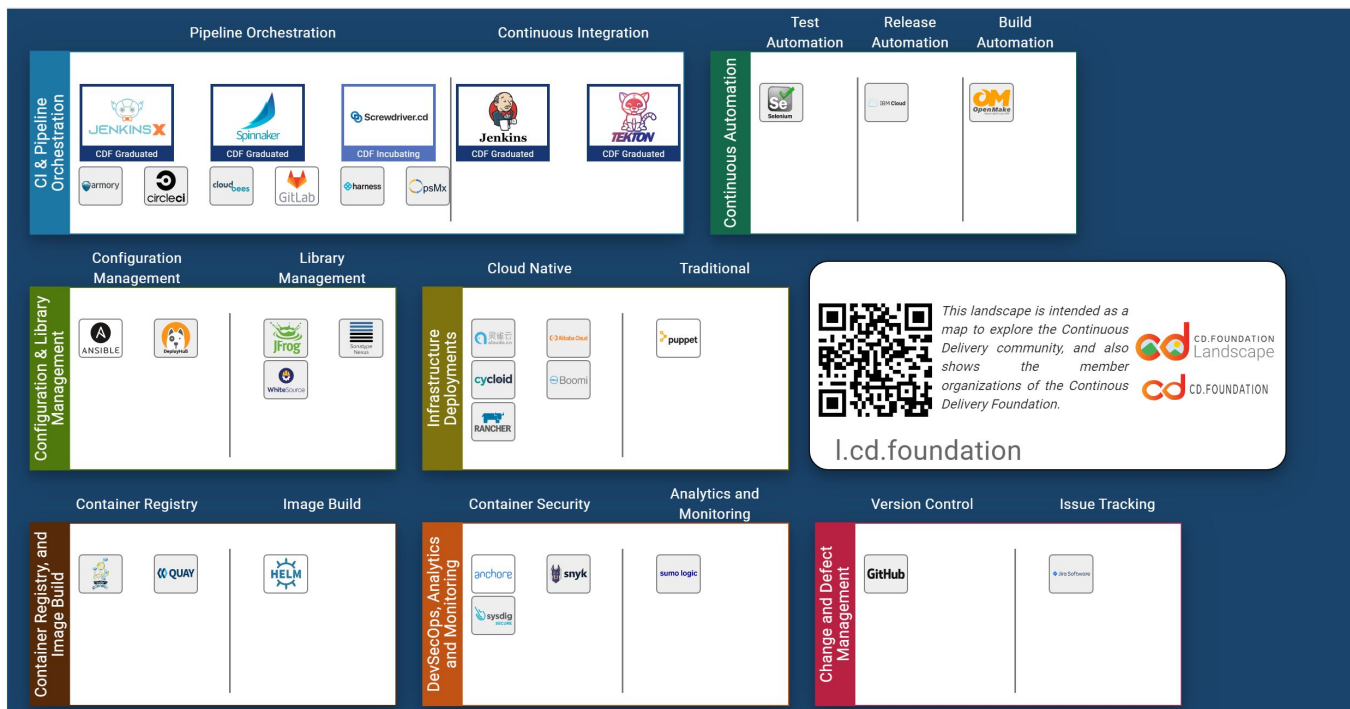
9 Expand into emerging tech areas

and build CI/CD ecosystems around these



1. Drive Continuous Delivery Adoption

<https://landscape.cd.foundation/>



CI/CD Meetup Community

<https://www.meetup.com/pro/cicd-cdf/>



cd Continuous Delivery
Foundation (CDF)


Members
34,415

Groups
106

Countries
39

Join or start a Continuous Delivery Meetup near you!

<https://www.meetup.com/pro/cicd-cdf>

**Continuous Delivery
Foundation (CDF)**

Members
34,415

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39


Search Continuous Delivery Foundation (CDF)

SEARCH

Events Near Me


5
Dec

DevOps Holiday Party
Hosted by **CD.Foundation New Mexico**
CI/CD Meetup and all things DevOps
Thursday, December 5, 7:30 PM
3 going




11
Dec

Triangle Jenkins Area Meetup
Hosted by **Triangle Jenkins Area Meetup**
Wednesday, December 11, 6:00 PM
2 going



20
Nov

A Complete Concertized Pipeline Framework for Jenkins CI CD
Hosted by **Jenkins Online Meetup**
Wednesday, November 20, 11:00 AM
118 going



Who we are


The Continuous Delivery Foundation supports the worldwide community of the CI/CD focused groups.

CDF is currently working on expanding the CI/CD community around the globe, and we are happy to accept the new meetup communities to join our network, and become one of the official CDF groups.

If you are interested in joining the list of official CDF groups, please reach out via the 'Get in touch' button below.

Benefits of joining the CDF Meetup Program

- Boosting the visibility of your meetup group
- Meetup Pro cost coverage
- One-time complimentary swag certificate to the CDF Store

**Continuous Delivery
Foundation**
Continuous Delivery
Foundation (CDF) Administrator

2. Cultivate Project Growth

Initial Projects:



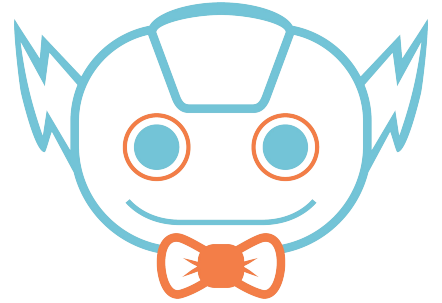
Jenkins



Spinnaker



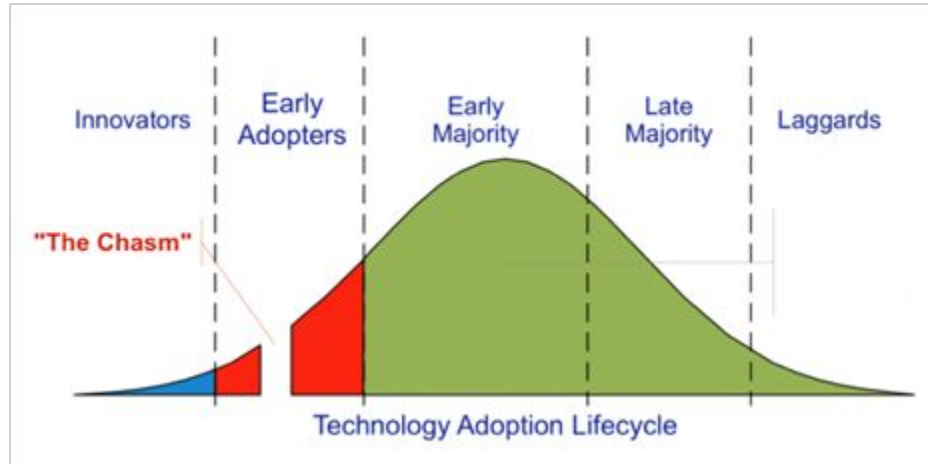
TEKTON



JENKINS X

<https://cd.foundation/projects>

Projects at different points of adoption



Jenkins



Developer Contributions by Project



3. Foster Tool Interoperability

Promoting interoperability

- Standardize the building blocks into shared APIs
 - Build an ecosystem of integrations and plugins around these interfaces
 - Improve the state of delivery for the entire industry
-
- **We must drive for common APIs, metadata, etc**


sig-interopability

<https://github.com/cdfoundation/sig-interopability>





CD.FOUNDATION

Add initial version of vocabulary/terminology #14

[Edit](#)[Open](#) fdegir wants to merge 1 commit into [cdfoundation:master](#) from [fdegir:vocabulary](#) [Conversation](#) 9[Commits](#) 1[Checks](#) 0[Files changed](#) 1+312 -0 

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0 / 1 files viewed ⓘ

[Review changes ▾](#)▼ 312  docs/vocabulary.md ☐ Viewed

Establishing Shared Vocabulary

- [Introduction](#)
- [Terminology Used by CI/CD Tools and Technologies](#)
 - [CircleCI](#)
 - [GitHub Actions](#)
 - [GitLab CI/CD](#)
 - [Jenkins](#)
 - [Jenkins X](#)
 - [Screwdriver](#)
 - [Spinnaker](#)
 - [Tekton](#)
 - [Zuul](#)
- [Terminology Used by SCM Tools and Technologies](#)
 - [Gerrit](#)
 - [GitHub](#)
 - [GitLab](#)
- [Mapping of Terms](#)
- [Shared Vocabulary](#)

9. Expand into emerging tech areas

sig-mlops

<https://github.com/cdfoundation/sig-mlops>



CD.FOUNDATION

mlops roadmap draft

<https://github.com/cdfoundation/sig-mlops/blob/master/roadmap/2020/MLOpsRoadmap2020.md>

What is MLOps?

“the extension of the DevOps methodology to include Machine Learning and Data Science assets as first class citizens within the DevOps ecology”

What is MLOps Not?

MLOps is not "putting Jupyter Notebooks into production environments"

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Join the community building the future of Continuous Delivery

@cdeliveryfdn

<https://cd.foundation/members/join/>

