2021 Jenkins Contributor Summit @ cdCon - Coordination doc

General information

Key dates

- April 01 - abstract submission deadline for the event (not a CFP)
  - Ticker was submitted
- June 22-24 - cdCon
  - Jenkins Birds of Feather session
  - Jenkins talks
- June 25 - event itself
  - 9AM - 5PM EDT
  - Duration - up to 8 hours with breaks
  - Zoom link?

Organizers

- SIG and Channels - Advocacy&Outreach
- Contact for direct email - Oleg Nenashev, Jenkins Events Officer, o.v.nenashev at gmail.com
- CDF - event host
  - Communication via https://github.com/cdfoundation/foundation/issues with the cdCon prefix

Announcements / etc.

- Event front page draft for the Linux Foundation event site: https://docs.google.com/document/d/170sQN3ren-z7AuQvL7YdQJQNd8LwWzRvhWwJH4_86PU/edit?usp=sharing
- Artwork: Jenkins Social Media Covers
- https://www.jenkins.io/events/contributor-summit/
- Communicate event link
  - See draft email invitation with Zoom link

Help needed / Looking for organizers and contributors

Before the summit:

- Finalizing the agenda
- Coordinating the schedule with presenters
    - //
    - Olivier - Project updates
    - Oleg - User Panel, Happy hour
    - Kara - Cloud Native SIG
    - ? - Breakout rooms
- Oleg - Finalizing the end users presentation agenda
- Getting the event promoted in the community channels: blog, twitter, LinkedIn
    - Social media is coordinated in
      https://gitter.im/jenkinsci/advocacy-and-outreach-sig
- Working with @Alyssa Tong and the CDF to deliver swag to key summit contributors
- Facilitating conversations
- Coordinating hosting of the newcomer track - Mark Waite will host this track

During the event:

- Hosting / Moderating the event
- Moderating the breakout rooms
- Speaking about projects, SIGs and their statuses

After the event:

- Processing and publishing recordings
- Writing a summary blogpost
- Swag logistics
- Capturing follow-ups on the Jenkins roadmap, creating follow-up tasks

Agenda

Initial schedule draft

The contributor summit will be split into the following categories.
1. **Project updates**, led by Jenkins officers and board members, we'll highlight Jenkins initiatives.
    a. **State of Jenkins**
    b. **Sub-project updates**
    c. **SIG Updates**, leaded by SIG leaders, we'll highlight key initiatives there
    d. **Newcomer track,** the track for newcomers who just want to start contributing to Jenkins or consider doing it.

2. **Contributor Track**, the goal of the contributor track is to gather as many people as possible to discuss the next major initiative. Several topics will be covered simultaneously.
   a. **Unconference -** Any topics about Jenkins
   b. **CDF Project Collaboration**, led by those project leaders, the goal is to highlight and strengthen cross project collaboration.
3. **Ignite Talks / Demos** - Short talks and demos about Jenkins
4. **End User pane**l - Talks from Jenkins users about their experiences with Jenkins and their expectations from the Jenkins evolution
5. **Happy hour** - Closing event

Frequently asked questions

How to propose a new session?

Just suggest a change in this doc! We will review it and accept accordingly

Opening - Jenkins State of the Union

Location: Main track
Duration: 60min

- Intro words, summit overview - 5min
  - Oleg Nenashev and other organizers to present how the summit would work
  - Topics: How to suggest lightning talks and unconference
- State of Jenkins - one of Jenkins Board members, 10min
  - Major news
  - Communication channels updates & their future
  - Celebrations - Jenkins Awards
- Project/SIG updates, 5-10 min each. SIG leaders, officers, et al. to summarize the current state
  - Jenkins Infrastructure
  - Jenkins Security
  - Jenkins Operator for Kubernetes
    - Bartek and the Operator Team
  - TBD - Stapler updates - Oleg
  - TBD - Jenkinsfile Runner updates - Oleg
- Key highlights / announcements, etc. 5-10 min each
  - // TODO

Contributor Track

Time: 120min + unconference sessions

The contributor track is an opportunity for Jenkins community members to discuss the next major initiatives happening in the Jenkins community.
Following categories are only suggestions at this point and will happen simultaneously.
- 3x slots x N rooms

Location: Breakout room, 30-40 min
The idea is that there are proposals during the lightning talks, and then voting on sessions. We can create many breakout rooms. Participant CAP is TBD.

TBD - Securing Jenkins SDLC

- Hosts: Daniel/Jesse/Wadeck/Oleg -
- Update on CodeQL, LFX Security adoption, JEP-229, and other related initiatives
- LFX Security Slides: https://docs.google.com/presentation/d/1SFeOcPHIAgnE4EXxDIbnLzosDKYMsnKfAe8ido4ya7Q/edit#slide=id.gddd0347fb3_1_74

STATE_OF_THE_UNION - What's HOT in Jenkins infrastructure?

- Hosts: Olivier/Damien/Oleg
- We will talk about recent changes in the Jenkins infrastructure, including but not limited to ci.jenkins.io updates, download mirrors, outage procedures, new Docker Build Flow, new communication channels, EasyCLA, etc.
- Slides: https://docs.google.com/presentation/d/1SFeOcPHIAgnE4EXxDIbnLzosDKYMsnKfAe8ido4ya7Q/edit?usp=sharing

CONFIRMED - Jenkins and Tekton interoperability

- // Stakeholders: Tekton contributors, Tekton Client Plugin authors,
  - Available: Vibhav Bobade
  - Not available: Dan Lorenc
- Duration: 50?
- Agenda:
  - Factors off Interoperability : Ways to approach interoperability between Jenkins and Tekton.
    - Tekton Pipelines engine as a first class in Jenkins
    - Tekton tasks for triggering Jenkins pipelines
      - https://github.com/tektoncd/experimental/issues/697
  - Tekton client plugin for Jenkins: current state and roadmap
    - Discussion : Tekton Cloud (Gareth and Vibhav)

- - - ■ Discussion : What can be done to make the project more usable ?
      - ■ https://github.com/jenkinsci/tekton-client-plugin
      - ■ https://cd.foundation/blog/2020/11/05/bridging-the-gap-with-tekton-client-plugin-for-jenkins/
      - ■ https://www.jenkins.io/blog/2021/04/21/tekton-plugin/
  - Notes:
    - ○ Running TaskRuns to execute in KubeVirt (probable Kubevirt Custom Controller is needed)
    - ○ Docker features : https://docs.docker.com/engine/reference/commandline/buildx_bake/
    - ○ https://medium.com/nttlabs/buildx-kubernetes-ad0fe59b0c64
    - ○ Action Item : Catchup with Damien for Kubervirt Custom Task

CONFIRMED - Jenkins and Jenkins X interoperability / collaboration (or a breakout)

- // Jenkins is back in Jenkins X 3.0: https://jenkins-x.io/v3/develop/create-project/jenkinsfile/
- Duration: 30?
- Changes needed to make Jenkins more cloud-native. How do we share experience?
- Session leads: James Rawlings, James Strachan, somebody from Jenkins?

CONFIRMED - Observability and OpenTelemetry

- Proposal for a new name: Jenkins, Observability, and OpenTelemetry
- Hosts: Ivan, Victor, Cyrille
- Abstract
  - ○ During this session, we would like to introduce how enabling OpenTelemetry in Jenkins could help to observe the CICD ecosystem.
  - ○ The goal of this session is to present what initiatives are in progress, how they look, then open a discussion with everyone to understand/clarify any doubts, what they community think about it, if there are any missing scenarios/use cases that could help Jenkins users and administrators. And ask for contributions in any way, documenting, reviewing, gathering feedback, defining use cases, coding, testing :)
- Duration: 45 mins
- Agenda
  - ○ Goal of the initiative
  - ○ Demo
  - ○ Deployment Model / Architecture
  - ○ FAQ
  - ○ Community discussions
- Links:

- - Session introduction deck: Jenkins, Observability, and OpenTelemetry - Jenkins Contributor Summit, 25.06.2021
    - OpenTelemetry | Jenkins plugin
  - Notes:
    - Those charts looked amazing! Would love to have seen an example chart showing the duration of a job overtime and the failure rate of a job overtime.
    - Will the remoting protocol with opentelemetry support the ssh agent?
    - Attributes standardisation that both (Jenkins X and Jenkins) could benefit from

CONFIRMED - Terminology cleanup updates

Location: Breakout Room
Hosts: Oleg
Moderator: Angélique Jard

We will review the status of the agent/controller/etc. terminology cleanup. Then We will discuss the remaining actions, tooling, and our participation in the Inclusive Naming Initiative

Meeting notes:
https://docs.google.com/document/d/1Ax9MTbAuhmk26ceiczN3vWBAojDEBE3pByuvLTu_fUU/edit?usp=sharing

Slides:
https://docs.google.com/presentation/d/1HbwONGTbWAptR4CaH1bwOikF3a-v-EagDT5L4kA8oqc/edit?usp=sharing

CONFIRMED - Plugin End of Life Policy

Location: Breakout Room
Time: 40min
Moderator: James Nord , Baptiste Mathus
Scribe: "Looking for a volunteer" :)

During this session, we would like to discuss introducing a plugin end of life policy.
The goal of the discussion is to identify how feasible that idea would be. What would be the next steps and potential champions?

Optional: As suggested by Baptiste Mathus on the mailing list, we could also add to the idea of having a team owned plugin instead of individual contributor. While not being directly related to the plugin end of life policy, I don't think we need a full session on it and the audience would be similar.

Meeting notes:
https://docs.google.com/document/d/1NVz8uPc0cBkjXFcm_mJSEUwwnAzTRYeQ4GhFavB4aZQ/edit?usp=sharing

CONFIRMED - Guava Update

Location: Breakout Room
Time: 40min
Moderator: Baptiste Mathus , <We are looking for a second moderator to drive the discussion>
Scribe: "Looking for a volunteer" :)

During this session, we'll discuss how to facilitate guava upgrade in Jenkins.
The goal of the discussion is to identify the next steps.

Slides:
https://docs.google.com/presentation/d/1czif5VDoYvgP88SjRxSK42uF7eRtAfG9h7ith7hbwQY/edit#slide=id.p

POSTPONED - Outreach Programs - How could we do better?

Location: Breakout Room
Time: 40min
Moderator: o.v.nenashev@gmail.com , <We are looking for moderator to drive the discussion>
Scribe: "Looking for a volunteer" :)

The Jenkins project participates in a significant amount of outreach programs such as Gsoc, Google summer of doc, Hacktoberfest, etc. Let's take some time to discuss how to improve our participation.

CONFIRMED - Java 11 by default and Java 17 compatibility

Location: Breakout Room
Time: 40min
Moderator:
- Michael Cirioli , <We are looking for moderator to drive the discussion>
- Session leads: Oleg Nenashev, other Platform SIG members
Scribe: "Looking for a volunteer" :)

Jenkins core currently uses Java 8 as the default java version. With the version 2.164, we introduced compatibility for Java 11. In September 2021, java 17, will be the next stable version. I propose to take some time to identify the position we should have and the potential next steps for the Jenkins project. We will also discuss making Java 11 a default version in our distributions including the official Docker images.

Slides:
https://docs.google.com/presentation/d/1i1gkUQ0Ha-CRgFvRRpRWUDjbpPr383D0DSywLGAFN-Y/edit?usp=sharing

Meeting notes:
https://docs.google.com/document/d/1BwllcgX3rmsvwRKIFkmE24g7zHGo8kufcimL0BnWaWE/edit?usp=sharing

Recording:
https://drive.google.com/file/d/1o2TpddRkemQqlmwVuPPxhxV4kWsOgQYu/view?usp=sharing

POSTPONED - Testing Pipelines

Location: Breakout Room
Time: 40min
Moderator: Mark Waite, <We are looking for moderator to drive the discussion>
Scribe: "Raquel Pau"

We have seen a common request to test Jenkinsfiles. We see this as an opportunity for JFR and make it better. However, we do not know the point of view from the community and how they would like to test their pipelines as part of their development workflows.

POSTPONED - Governance Elections - Feedback and 2021 improvements

~~Location: Breakout Room~~
~~Time: 40min~~
~~Moderator: Olivier Vernin, Oleg Nenashev (tentative), <We are looking for moderator to drive the discussion>~~
~~Scribe: "Looking for a volunteer" :)~~

~~The Jenkins project has been organizing elections for the past two years and we'll have another round of election at the end of 2021. The process was different between 2019 and 2020. I propose to go back on them and see how we can improve the process for 2021.~~

POSTPONED - Jenkins Documentation SIG extended meeting

Hosts: Mark Waite

- Jenkins and Kubernetes as a funded outreach project
  - Google Season of Docs 2021 organization proposal
  - Proposal to fund a documentation project beginning Sep 2021
- Contributor onboarding improvements

- - ○ Removing barriers to docs contributions
    - ○ Using what we learned from She Code Africa to improve developer experience for programmers and writers
      - ■ See the She Code Africa retrospective for more details
- Content improvements
  - ○ Plugin documentation as code project
  - ○ Pipeline steps reference (She Code Africa Contribution and beyond)
  - ○ Wiki migration project - timing, leader, etc

CONFIRMED - Jenkins operator for Kubernetes

- Hosts: TBD
- Moderators: bantoniak@virtuslab.com
- Abstract: New schema overview, summarise the data from feedback form, what needs to be improved, etc
- Slides: https://docs.google.com/presentation/d/16VQMDct8WIAe3qWI9xYaG13EQXFyuM4s WdpPCvOemqk/edit#slide=id.ge13c5bdea8_0_39

CONFIRMED - Run GitHub Actions on Jenkins.

- Hosts: TBD
- Time: 20mins + any additional questions/discussion
- Moderators/Presenters: https://twitter.com/shady_cuz
- Abstract: See the features jenkins-std-lib has that can help you spend more time enhancing your CI/CD pipeline and less time writing boilerplate. Among the live demos will be a demonstration showing how to leverage Actions inside Jenkins pipelines.
- Links:
  - ○ https://github.com/DontShaveTheYak/jenkins-std-lib
  - ○ https://docs.google.com/presentation/d/1_8venS0I0MTqhpRixZhryVnMearVV4zc c5-FM77DDaY/edit?usp=sharing (Slide deck)

CONFIRMED - Jenkins Now Supports CloudEvents: Jenkins CloudEvents Plugin

- Hosts: Shruti Chaturvedi
- Time: 30 min
- Abstract: CloudEvents is the industry-adopted standard specification to define event data. Using this standard spec to represent events has enhanced interoperability between different CI/CD systems. The CloudEvents plugin will allow Jenkins users to

configure Jenkins as a source and a sink: emitting and consuming CloudEvents. With this plugin installed, events happening inside Jenkins server will be sent over as CloudEvents to sinks of other systems which consume CloudEvents. Jenkins can also be configured as a Sink, which will allow users to send CloudEvents from external systems to Jenkins, which will then trigger an action depending upon the type of event received.
- Links:
  - https://cloudevents.io/
  - https://github.com/ShrutiC-git/cloudevents-plugin
- Slides: <TODO>

POSTPONED - Jenkins 3

Note: No host at the moment

- Do we want to do it in 2021? What is the scope?
- Docker image change from Debian 10 (buster) to Debian 11 (bullseye)
- Java 11 as the default JDK for Docker, Helm, etc.
  - Olivier:
    https://groups.google.com/u/1/g/jenkinsci-dev/c/VfRq09Yfloo/m/2SRvS7c1AgAJ
    the helm chart switch to java 11 but not default docker images
- Plugin unbundling

Newcomer Track

Contributing to Jenkins

Location: Breakout Room
Time: 40min
Moderator: Mark Waite, <We are looking for moderator to drive the discussion>
Scribe: "Looking for a volunteer" :)

We wouldn't have a contributor summit without a session on how to contribute to Jenkins. There are many different ways to contribute to Jenkins and depending on the interest, we can take some time to review them.

- Mark Waite, Dheeraj Jodha, and Aditya Srivistava share experiences
  - Discussed in Docs Office Hours 17 June 2021
- Mark create a slide deck - 40 minutes
  - 10 minutes of opening and general contribution
    - Java - Adopt a plugin, Core, more
    - Docs migration from wiki to www.jenkins.io
    - Plugins docs migration into plugin repositories

- - Dheeraj talk about his experience becoming the weekly changelog creator - 5 minutes
    - Mark insert placeholders in the slide deck
    - Live presentation, will record it as well for later
  - Aditya talk about his experience in infrastructure & advocacy - 5 minutes
  - Dheeraj talk about ReactJS opportunities - 5 minutes
    - Custom distribution service submissions
    - Optional other project areas that use ReactJS (plugins site)
  - Question and answer - 10-15 minutes
    - Mark and others assemble list of "seed questions"

Introduction to Jenkins plugin development

TODO

Introduction to Jenkins pipeline and pipeline library development

TODO

Jenkins outreach programs and how to participate

TODO

Ignite Talks / Demos - up to 45min

Series of really short talks and demos, up to 5 minutes each. The idea is to pitch your project or an idea for future discussion at unconference, anything about Jenkins would work. Want to demo something? Add your name here!

- Oleg Nenashev - Twitter as Code for Jenkins
  - I will show how we could use Twitter Together to automate Twitter management in Jenkins. Memkins will be reviewed as an example
- Applications for Life and Data Science
  - https://github.com/Novartis/Jenkins-LSCI
  - Novartis/Jenkins-LSCI-Jobs: Jenkins jobs that support a variety of life science applications (data management, data transformations, analysis, computational workflows etc.) (github.com)
- Harshit Chopra- Git Credentials Binding
  - Git Username and Password binding demo
  - https://www.jenkins.io/projects/gsoc/2021/projects/git-credentials-binding/
- Anjelique Jard / Oleg Nenashev - Inclusive Naming Initiative. Time to join?
  - https://inclusivenaming.org/
- Oleg: Celebrating contributions and highlighting contributors
  - Community.jenkins.io
- =>

-
-
- Oleg: Launching Jenkins Francophone!
  - https://twitter.com/Jenkins_fra
- Managing plugins.txt files as code
  - Plugin installation manager tool
  -
- // TODO: Add your proposals

=> On hold for now unless we receive proposals

Jenkins End User panel - 60min

In breakout room, 15 min
- Several key users present their case studies, issues they experience and expectations from Jenkins evolution. THIS IS NOT A DEMO SESSION OR A TECHNOLOGY TALK.
  - Timebox: 15min
  - Target final confirmation date: Jun 20th
- Moderators:
  - Oleg Nenashev
- End users:
  - Andrey Babushkin, Intel, OpenVINO project,
    - https://docs.openvinotoolkit.org/latest/index.html
  - Ioannis Moutsatsos, Novartis Institutes for Biomedical Research,
    - https://www.novartis.com/our-science/novartis-institutes-biomedical-research
    - Slides: https://docs.google.com/presentation/d/18nJ7ViAWSK17n27h4IHhG9wvQpa5oes2t00qdRw8n0k/edit?usp=sharing
  - Ivan Fernandez and Victor Martinez, Elastic
    - Presentation ->
      ☐ User Panelist - Elastic - Jenkins Contributor Summit, 25.06.2021

Meeting notes

Intel, OpenVINO

- Using since 2018
- Using JCasC etc.
- Had to split Pipeline to multiple jobs
  - Now way so split executions in test reports
    - Like COde Coverage? Not enough
    - Issue with amount of logs we need to see

- - parallel() in parallel() does not work in BO
  -
  - Need more complex dependency relations
    - DAG definitions
    - await()
    - Join plugin might help

Ioannis Moutsatsos, Novartis Institutes for Biomedical Research
- Slides: https://docs.google.com/presentation/d/18nJ7ViAWSK17n27h4IHhG9wvQpa5oes2t00qdRw8n0k/edit?usp=sharing
- Jenkins flexibility is what we need+
- Status of BlueOcean
- Expectations / Inputs: See the slides! They are gold!
- Script security
  - Permissive security
  - Ivan: We do not need script security
  - Global Pipeline libraries do not set security

Happy Hour - 1h

Closing the event with some fun stuff (e.g. Kahoot poll for special swag).
- Some fun content
- Open Q&A
- Off the record chat for participants

Platform

The summit will be hosted outside the main cdCon platform:
- CDF won't provide its conference program unless we find a sponsor for it. It costs 20k USD per day.
- With the scale of the contributor summit, we should be able to handle it using the Jenkins Zoom account and the breakout rooms. We can support up to 300 participants

Logistics

Swag

Swag will be distributed after the event to participants who actually participate in the summit.

Sponsors:
- CloudBees has confirmed interest in being the Swag sponsor. We will send Jenkins Is The Way T-shirts to feedback submitterres
- More sponsors are welcome to join

Retrospective

What went well?
- We made it!
- ON: Nice collaborations between contributors, a lot of content!
- MW: Dheeraj and Aditya presented segments in the Newcomers track
  - Contributed to the other portions of the track
  - Offered suggestions to the attendees
  - Worked great
- MW: Dheeraj and Aditya actively participated in prep, discussed, improved
- MW: Zoom webinar portion worked well, reliable, consistent, etc.
- MW: One person advancing slides worked well also
- Dheeraj: Mark's explanations in the Newcomer track were nice
  - 3 presenters
  - From 6 attendees at the start to 3 attendees by the end
    - GSoC students dropped to attend other tracks
  - Wide range of experience and deployments for 3 people
    - One kubernetes user, fully automated
    - One maintainer of an ancient plugin on older environments
    - One between the two
  - Plugin installation manager
  - Managing installs with JCasC
    - Dheeraj shared his experiences creating a JCasC blog
- Dheeraj: Why don't students contribute more to Jenkins?
  - Is it perceived as too complex?
  - Is it unknown to them as a tool?
    - Not mentioned in University coursework
    - Outreach SIG is seeking ways to reach into Universities

What could we do better?

- ON: Zoom link and communication channel announcements. We likely lost many participants during the beginning
  - Use Jenkins Online Meetup and social media to announce the webinar URL
    - Webinar is not susceptible to Zoombomb attacks
    - Should share Webinar URL more widely
- ON: Do not get Zoombombed in the breakout sessions
- ON: Do the next summit in the APAC timezone
- Dheeraj: Next summit in the APAC timezone (started at 7:30 PM, ended 11:00 PM)
- MW: Test the Zoom setup before the summit to assure the parts and pieces work
  - Stopped the Zoom Webinar for everyone by starting another meeting
- MW: Configure the breakout sessions before the meeting
  - Oleg had to configure them during the meeting