

GSoC 2019. Phase 1 evaluations in the Jenkins Project. Presentation abstracts

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Part 1, June 25, 9AM UTC

YouTube broadcast: <https://www.youtube.com/watch?v=ij6ByZql67o>

Q&A: <https://gitter.im/jenkinsci/gsoc-sig>

Multi-branch Pipeline support for Gitlab

A presentation on the work done during this coding phase 1. A few points on the goals of the project, features implemented, screenshots of the UI, references etc. Lastly, there will be a demo of how the GitLab Server Configuration works manually as well as using JCasC.

Links:

- <https://jenkins.io/projects/gsoc/2019/gitlab-support-for-multibranch-pipeline>

Role Strategy Plugin Performance Improvement

Presentation about a Micro-benchmarking Framework for Jenkins Plugins using JMH and show how to write a benchmark for your plugin and analyze reports. Also use Configuration As Code for configuring the temporary Jenkins instances started for benchmarks.

Links:

- <https://jenkins.io/projects/gsoc/2019/role-strategy-performance>
- <https://jenkins.io/blog/2019/06/21/performance-testing-jenkins/>

Artifact Promotion plugin for Jenkins Pipeline

Short Presentation about the introduction of new Classes/Refactored classes to support Pipeline promotions. Stating the difference between the previous promoted-builds and the new one as to show the shift of promotion input from UI to DSL. Demo will show the newly introduced DSL step style for promotion.

Links:

- <https://jenkins.io/projects/gsoc/2019/artifact-promotion-plugin-for-jenkins-pipeline>

Part 2, June 26, 4PM UTC

YouTube broadcast: <https://www.youtube.com/watch?v=MDs0Vr7gnnA>

Plugins Installation Manager CLI Tool/Library

Overview of previously used bash script for downloading plugins for Docker and its shortcomings. Demo showing the new plugin management CLI/library for the same task.

Links:

- <https://jenkins.io/projects/gsoc/2019/plugin-installation-manager-tool-cli>

Remoting over Apache Kafka with Kubernetes features

Demo starting Zookeeper and Kafka servers in Kubernetes. Demo using Helm chart to bootstrap the whole system.

Links:

- <https://jenkins.io/projects/gsoc/2019/remoting-over-apache-kafka-docker-k8s-features>

Working Hours Plugin - UI Improvements

The demo will be running a standalone react webapp against the plugin service.

Showing base features about interacting on setting excluded dates and allowable time ranges with the help of simple service to persist data.

Links:

- <https://jenkins.io/projects/gsoc/2019/working-hours-improvements>

Cancelled demo(s)

Cloud Features for External Workspace Manager Plugin

The conclusion we had for not supporting EFS on external-workspace-manager. The reason we move forward to JCasc. The JCasc for EWM and ec2-plugin. Possibly support custom header in JCasc config file path.

Student has withdrawn.