Performance Improvements to Role Strategy Plugin
The task for my Google Summer of Code program was to improve the performance of the Role Strategy Plugin. The performance issues for Role Strategy Plugin had been reported multiple times on Jenkins JIRA. With a large number of roles and with complex regular expressions, a large slow-down was visible on the Web UI. Even before GSoC started, there were a number of patches which tried to improve performance of the plugin (by Deepansh Nagaria and others). At the time, there was no way to reliably measure improvements in performance. Therefore, we started by creating a framework for running micro-benchmarks on Jenkins Plugins. Benchmarks using the framework were added to the...

Jenkins World Contributor Summit and Ask the Expert booth
Jenkins turns 15 years old! Jenkins World brings together DevOps thought leaders, IT executives, continuous delivery practitioners and the Jenkins community and ecosystem in one global event, providing attendees with the opportunity to learn, explore, network face-to-face and help shape the next evolution of Jenkins development and solutions for DevOps. There is also the Jenkins Contributor Summit in San Francisco. The Jenkins Contributor Summit is the place where current and future contributors get together to discuss, learn and collaborate on the latest and greatest efforts within Jenkins project. The morning portion of the summit is a mix of presentations by the core contributors. The presentations highlight what...

Introducing new GitLab Branch Source Plugin
The GitLab Branch Source Plugin has come out of its beta stage and has been released to the Jenkins update center. It allows you to create job based on GitLab user or group or subgroup project(s). You can either: Import a single project’s branches as jobs from a GitLab user/group/subgroup (Multibranch Pipeline Job) Import all or a subset of projects as jobs from a GitLab user/group/subgroup (GitLab Group Job or GitLab Folder Organization) The GitLab Group project scans the projects, importing the pipeline jobs it identifies based on the criteria provided. After a project is imported, Jenkins immediately runs the jobs based on...

My DevOps World - Jenkins World 2019 Experience
Last week I had the privilege of attending DevOps World - Jenkins World in San Francisco to present my Google Summer of Code project for plugin management. It was an amazing experience getting to meet people from all over world who are trying to make the development and release process easier and more efficient. I enjoyed learning more about industry tools, processes, and standards, and meeting CI/CD experts and contributors in the open source community. Below is a summary of my experience. Thank you to the Jenkins project and CloudBees for making my trip and attendance possible! Day 1 Monday was the Continuous Delivery Contributor Summit, which focused...

Remoting over Apache Kafka 2.0: Built-in Kubernetes support
I am Long Nguyen from FPT University, Vietnam. My project for Google Summer of Code 2019 is Remoting over Apache Kafka with Kubernetes features. After a successful Phase 1, finally the 2.0 version of the plugin has been released. The 2.0 version provides seamless integration with Kubernetes environment. 2.0 version features Start a simple Apache Kafka server in Kubernetes. Dynamically provision Remoting Kafka Agent in Kubernetes. Helm chart to bootstrap the whole system in Kubernetes. Start a simple Apache Kafka server in Kubernetes. Use of the plugin requires that users have a configured Apache Zookeeper and Apache Kafka server, which could be intimidating for people who...