Plugin Management Library and CLI Tool Alpha Release

"Everybody is re-inventing the wheel, partially implementing the "details" of plugin management (signed metadata, artifacts checksums, plugins detached from core,…). It becomes obvious Jenkins should provide adequate tooling for plugin installation outside a live Jenkins instance." JENKINS-53767 My Google Summer of Code project tries to solve this problem by creating a library that will unify plugin management logic across the different implementations of Jenkins and providing a CLI tool that will make it easy for users to download plugins and view plugin information before Jenkins even starts. I'm excited to share that we just released an alpha version that you can check out here! GSoC Phase 1 Update While...

Multi-branch Pipeline Jobs Support for GitLab SCM

This is one of the Jenkins project in GSoC 2019. We are working on adding support for Multi-branch Pipeline Jobs and Folder Organisation in GitLab. The plan is to create the following plugins: GitLab API Plugin - Wraps GitLab Java APIs. GitLab Branch Source Plugin - Contains two packages: io.jenkins.plugins.gitlabserverconfig - Manages server configuration and web hooks management. Ideally should reside inside another plugin with name GitLab Plugin. In future, this package should be moved into a new plugin. io.jenkins.plugins.gitlabbranchsource - Adds GitLab Branch Source for Multi-branch Pipeline Jobs (including Merge Requests) and Folder organisation. Present State FreeStyle Job and Pipeline(Single Branch) Job are fully supported. Multi-branch Pipeline Job is partially supported (no...

Micro-benchmarking Framework for Jenkins Plugins

I have been working on improving the performance of the Role Strategy Plugin as a part of my Google Summer of Code project. Since there was no existing way to measure performance and do benchmarks on Jenkins Plugins, my work for the first phase of the project was to create a framework for running benchmarks in Jenkins plugins with a Jenkins instance available. To make our job a bit easier, we chose Java Microbenchmark Harness for running these benchmarks. This allows us to reliably measure performance of our time-critical functions and will help make Jenkins perform faster for everyone. The micro-benchmarking framework was recently released in the...

DevOps World-Jenkins World 2019 San Francisco: Agenda is Live

We are a little over two months away from the largest Jenkins gathering of the year. From Jenkins users, to maintainers, contributors, mentors and those new to Jenkins this event will have something for everyone. This year's DevOps World - Jenkins World 2019 San Francisco has moved to a larger venue to facilitate the growth. From August 12 - 15, 2019 the event will take place at the Moscone West Center. The event boasts 100+ sessions, and will offer training, hands-on workshops, onsite certification, contributor summit and much more. Conference attendees can expect to be inspired while learning...

Becoming a Jenkins contributor: Newbie-friendly tickets

Two months ago I published an introductory article on the journey of becoming a Jenkins contributor. In that first article, the jenkins.io site was reviewed, learning about the multiple ways in which we can participate and contribute. Then, a first—basic—contribution I made to the site repository was described. Now, in this new article we will be exploring more advanced contributions, committing code to the actual Jenkins core. Getting started with tickets and processes Beginners guide to contributing and Jenkins Jira Reviewing the developer section in jenkins.io is probably the best starting point, and a reference link to keep handy. The beginners guide to contributing to Jenkins can also be...