GitHub App authentication support released

I’m excited to announce support for authenticating as a GitHub app in Jenkins. This has been a long awaited feature by many users. It has been released in GitHub Branch Source 2.7.0-beta1 which is available in the Jenkins experimental update center. Authenticating as a GitHub app brings many benefits:
- Larger rate limits - The rate limit for a GitHub app scales with your organization size, whereas a user based token has a limit of 5000 regardless of how many repositories you have.
- User-independent authentication - Each GitHub app has its own user-independent authentication. No more need for ‘bot’ users or figuring out who should be...

Introducing the Azure Key Vault Credentials Provider for Jenkins

Azure Key Vault is a product for securely managing keys, secrets and certificates. I’m happy to announce two new features in the Azure Key Vault plugin:
- a credential provider to tightly link Jenkins and Azure Key Vault. huge thanks to Jie Shen for contributing this integration with the configuration-as-code plugin. These changes were released in v1.8 but make sure to run the latest version of the plugin, there has been some fixes since then. Some advantages of using the credential provider rather than your own scripts: your Jenkins jobs consume the credentials with no knowledge of Azure Key Vault, so they stay vendor-independent. the provider integrates with the...

Hands On: Beautify the user interface of Jenkins reporter plugins

For Jenkins a large number of plugins are available that visualize the results of a wide variety of build steps. There are plugins available to render the test results, the code coverage, the static analysis and so on. All of these plugins typically pick up the build results of a given build step and show them in the user interface. In order to render these details most of the plugins use static HTML pages, since this type of user interface is the standard visualization in Jenkins since its inception in 2007. In order to improve the look and feel and the user experience of these...

Pipeline-Authoring SIG Update

What is the Pipeline-Authoring Special Interest Group This special interest group aims to improve and curate the experience of authoring Jenkins Pipelines. This includes the syntax of `Jenkinsfile`s and shared libraries, code sharing and reuse, testing of Pipelines and shared libraries, IDE integration and other development tools, documentation, best practices, and examples. What Are The Focus Areas of the Pipeline-Authoring Special Interest Group
- Syntax - How `Jenkinsfile`s and shared libraries are written. Code sharing and reuse - Shared libraries and future improvements. Testing - Unit and functional testing of `Jenkinsfile`s and shared libraries. IDE integration, editors, and other development tools - IDE plugins, visual editors, etc.
- Documentation - Reference...

Findsecbugs for Developers

Spotbugs is a utility used in Jenkins and many other Java projects to detect common Java coding mistakes and bugs. It is integrated into the build process to improve the code before it gets merged and released. Findsecbugs is a plugin for Spotbugs that adds 135 vulnerability types focused on the OWASP TOP 10 and the Common Weakness Enumeration (CWE). I’m working on integrating findsecbugs into our Jenkins ecosystem. Background Spotbugs traces its history through Findbugs, which started in 2006. As Findbugs it was widely adopted by many projects. About 2016, the Findbugs project ground to a halt. Like the mythical phoenix,...