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[Introducing the AWS Secrets Manager Credentials Provider for Jenkins](#)

API keys and secrets are difficult to handle safely, and probably something you avoid thinking about. In this post I'll show how the new AWS Secrets Manager Credentials Provider plugin allows you to marshal your secrets into one place, and use them securely from Jenkins. When CI/CD pipelines moved to the public cloud, credential management did not evolve with them. If you're in this situation, you may have seen a number of tactical workarounds to keep Jenkins builds talking to the services they depend on. The workarounds range from bad (hardcoding plaintext secrets into Git) to merely painful (wrangling Hierarchical EYAML),...

[Matrix building in scripted pipeline](#)

Table of Contents Matrix building with scripted pipeline Screenshot of matrix pipeline Adding static choices Adding dynamic choices Full pipeline example with dynamic choices Background: How does it work? Exposing a shared library pipeline step Summary With the recent announcement about matrix building you can perform Matrix builds with declarative pipeline. However, if you must use scripted pipeline, then I'm going to cover how to matrix build platforms and tools using scripted pipeline. The examples in this post are modeled after the declarative pipeline matrix examples. Matrix building with scripted pipeline The following Jenkins scripted pipeline will build combinations across two matrix axes. However, adding more axes to the matrix is just as easy...

[Do Plugins Store Credentials In A Secure Way? - DevOps World | Jenkins World 2019](#)

This is a speaker blog post for a DevOps World | Jenkins World 2019 talk in Lisbon, Portugal and has been posted in line with NCC Group responsible disclosure policy. Related Jenkins security advisories: 2017-11-08, 2017-11-16, 2018-06-25, 2018-07-30, 2018-09-25, 2019-02-19, 2019-03-06, 2019-03-25, 2019-04-03, 2019-04-17, 2019-08-07, 2019-09-12, 2019-10-01, 2019-10-16, 2019-10-23. Some of the vulnerabilities have been announced without a fix, see Jenkins Security Spring Cleaning 2019. The most of the announced vulnerabilities are fixed at the moment of this blogpost publishing. Come join us at DevOps World | Jenkins World 2019 for "The Story, the Findings and the Fixes Behind More than 100 Jenkins Plugins Vulnerabilities", a talk about the most common vulnerabilities found during research in more than 100...

[Jenkins macOS native installer deprecation](#)

In addition to WAR files and Docker images, the Jenkins project provides native installers for each weekly and LTS release. There are installers available for Linux distributions, Windows, macOS and other operating systems. There are also installers provided by third parties. You can find the list of these installers on the Downloads page. In this blog post, we announce the upcoming deprecation of the macOS native installer. We will review the replacement options and the rollout plan. Why? Maintaining installers is a significant maintenance effort for the project because installers require testing and, sometimes, specific platforms and environments for packaging. When installers lose relevance for the majority of the...

[Welcome to the Matrix](#)

I often find myself needing to run the same actions on a bunch of different configurations. Up to now, that meant I had to make multiple copies of the same stages in my pipelines. When I needed to make changes, I had to make the same changes in multiple places throughout my pipeline. Maintaining even a small number of configuration was difficult for larger pipelines. Declarative Pipeline 1.5.0-beta1 (now available from the Jenkins Experimental Update site) adds a new matrix section that lets me specify a list stages once and then run that same list in parallel on multiple configurations. Let's take a look! Single configuration pipeline I'll...