



Customer Success Story

A UNIVERSAL SOLUTION FOR PUPPET WITH NO STRINGS ATTACHED

INDUSTRY

Technology – IT Automation Software

PROBLEM

Overcome the complexity of working with different software package management systems for their distributed development teams.

RESULTS

- Cost Savings
- Improved Software Quality
- Faster development & release
- Greater control of CI/CD workflow

PRODUCT

JFrog Artifactory & JFrog Xray

COMPANY

Puppet provides solutions to automate the delivery and operation of software. They provide better business value delivered to customers faster through automation. Puppet's vision is to empower DevOps teams to do more of what they love, by helping them to automate the manual, error-prone processes across traditional infrastructure, cloud, containers, networking, and application development.

CHALLENGES

In order to build their software products faster and get the latest versions of Puppet OSS & Puppet Enterprise to their customers, Puppet had to find a way to easily manage and maintain all the different types of repositories and programming languages that their Engineering teams were using. Moreover, with organic team growth over the past 10 years, different solutions had been adopted and homegrown solutions were preventing their software engineers from true scale and efficient productivity. Puppet needed an easier way to support Maven, npm, RubyGems, and other package types that could scale to support their distributed and growing DevOps teams.

RESULTS

Knowing that they needed a solution, Puppet took the next logical step and identified possible options in the market and determined the best solution based on their needs. In the end, two solutions were included in a “bake-off” including JFrog Artifactory & Sonatype Nexus. Based on Puppet's need for a universal repository manager that could support a multitude of repository types out of the box, plug-in support, and ensure secure releases, they chose JFrog Artifactory with JFrog Xray. By using JFrog Artifactory and Xray, Puppet is able to centralize the management of their disparate tools, and as Puppet builds thousands of packages each month, they can efficiently manage their builds and better understand their entire lifecycle, tracking their build components with simplicity and confidence in their releases.

As Puppet continues to expand the use of JFrog Artifactory and Xray within their evergrowing engineering teams, they are able to achieve efficiencies not previously feasible. The adoption of JFrog Artifactory has spread to the entire Puppet engineering team with a planned global expansion to distributed teams in the UK and Europe. JFrog Artifactory & Xray are now an essential aspect of the build and test pipeline utilized to enable Puppet to continuously update Puppet OSS & Puppet Enterprise for their customers.

Puppet tests their software on a large number of operating systems, including a number of different Linux variants. Previously, Puppet was maintaining full internal repository mirrors to support software build and test processes. By switching to JFrog Artifactory (caching remote repos) Puppet has saved thousands of dollars on disk space.

JFrog Xray has made it easier for Puppet to track libraries across various software projects and has helped their engineers to more quickly identify and remediate security issues with dependencies. In one recent example, rather than spend hours or days searching across a number of source repositories to find all of the projects using a particular Java library, the Release Engineering team was able to use JFrog Xray to quickly identify projects that were including the impacted version and get the projects updated to the fixed version.

“With JFrog Artifactory & Xray, the engineering teams at Puppet have been able to overcome the complexity of working with different software package management systems (including RubyGems, npm, rpm and Maven) and we now have greater consistency and transparency of our CI/CD workflow.” - **Rob Braden**, Engineering Manager, Puppet



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