JFROG AND MESOSPHERE

Easily deploy and scale an enterprise universal artifact repository

Overview

JFrog Artifactory is a Universal Artifact Repository that has become the industry standard for managing the binary workflow in any development ecosystem. Artifactory offers advanced artifact management capabilities that companies like Oracle, VMware, Netflix, and Riot Games are using to power their mission-critical development efforts.
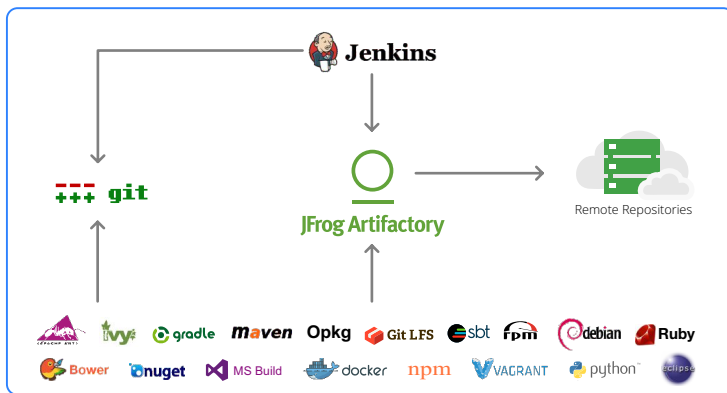
However, provisioning of the various components in a CI/CD pipeline can be difficult, as it is not automated with modern orchestration nor highly elastic. Mesosphere Enterprise DC/OS makes it easy to deploy and scale JFrog Artifactory, while running it on the same shared infrastructure as your containers and other components in the ecosystem such as Jenkins CI and your source code repositories.

About JFrog Artifactory

JFrog Artifactory is the industry's first Universal Artifact Repository. It dramatically speeds up the development process by enabling enterprises to manage all binaries, regardless of the programming language, software packages or technology used to create them. Integrating with all major CI/CD and DevOps tools, Artifactory provides an end-to-end, automated and bullet-proof solution for tracking artifacts from development to production. By supporting all major packaging formats, Artifactory provides freedom from being locked into specific technologies.

About Mesosphere Enterprise DC/OS

Mesosphere makes modern enterprise apps easy to build, run, and scale with DC/OS - a datacenter-scale platform that elastically runs the full modern app: containerized microservices and stateful data services. DC/OS enables application teams to easily scale and sustain a continuous integration and delivery model using common tools like Jenkins as well as artifact repositories, and source control tools. With DC/OS, distributed data services like HDFS, Spark, Kafka, and Cassandra resiliently run on shared resources in the datacenter or cloud, and install in seconds. DC/OS is used by leading Fortune 1000 companies like Verizon, Autodesk, Time Warner, Esri and many others for Docker container orchestration at scale, elastic data infrastructure, and elastic CI/CD pipelines.
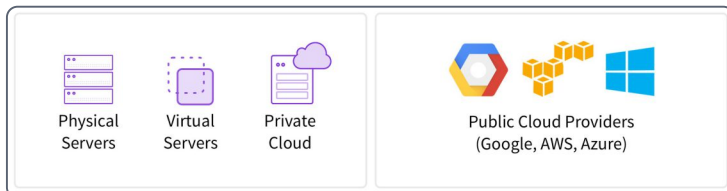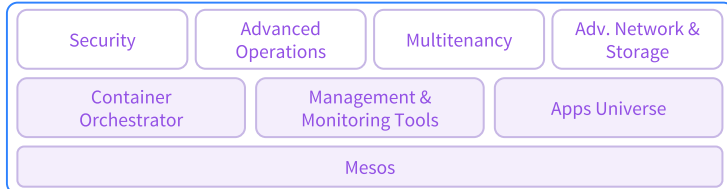

JFrog Artifactory Enterprise

JFrog Artifactory Enterprise is the only universal artifact repository offering high-availability for unmatched stability, and multi-push repository replication across several datacenters at a time for collaborative, distributed development. Disaster recovery capabilities keeps systems running no matter what happens on the ground, and multi-layer artifact scanning with deep impact analysis protects your organization against artifacts with security vulnerabilities or other issues as soon as they enter your systems.

Mesosphere Enterprise DC/OS

The only production proven and fully supported platform that elastically runs containerized apps and data services at scale, with high availability, security, monitoring and operations.

Any Infrastructure

Install Enterprise DC/OS on any public cloud or in your own private datacenter—whether virtualized or on bare metal. Create a consistent user experience and move your workloads with ease.

JFrog Artifactory Enterprise and Mesosphere Enterprise DC/OS
Easily deploy and scale a first-class enterprise universal artifact repository

Without Enterprise DC/OS, provisioning of infrastructure is manual
• Not automated with modern orchestration and not highly elastic

JFrog Artifactory Enterprise on Enterprise DC/OS allows you to easily deploy and scale a first-class repository management solution.
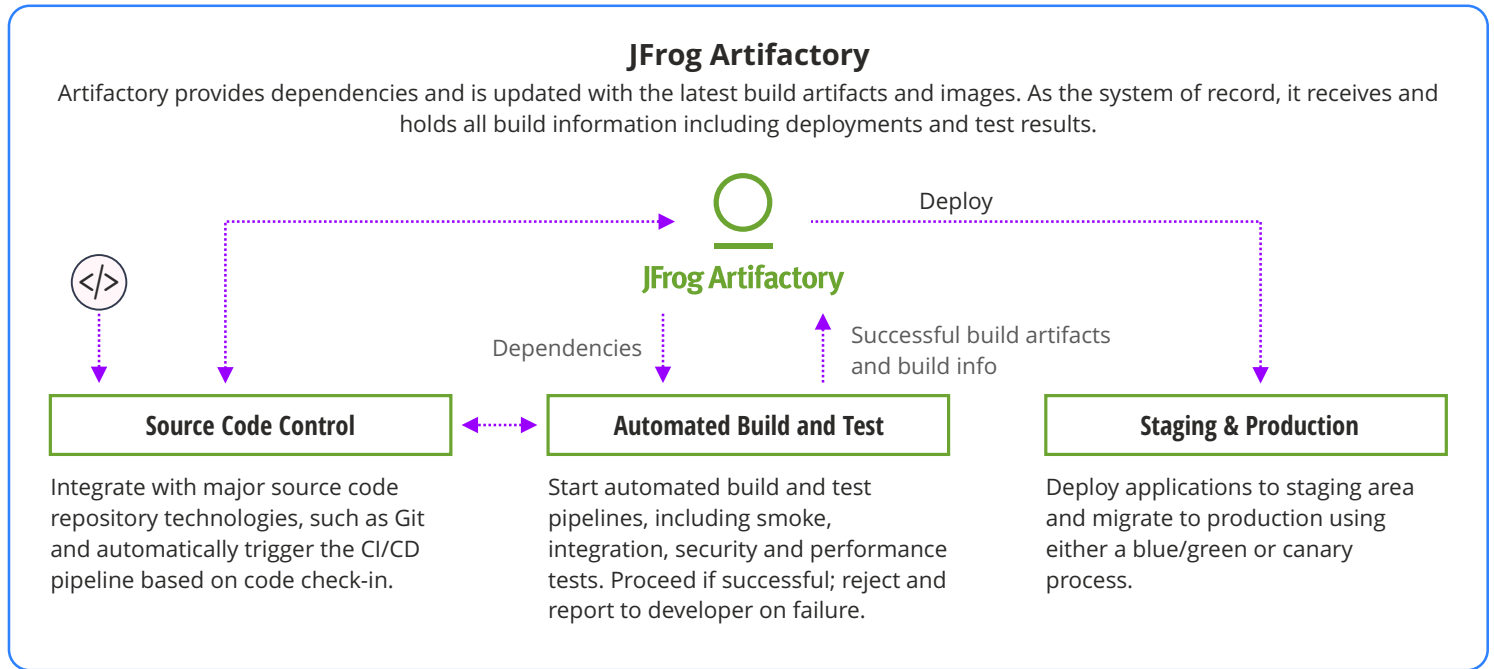• Flexible, highly-configurable solution for enterprises
• Enables support for all JFrog Artifactory Enterprise features, such as High-Availability, Multi-Push Replication, and Pluggable S3-compatible object storage.

Benefits include:
• Easy to deploy and scale a multi-node, highly available Artifactory installation
• Easily integrate Artifactory with other popular tools running on DC/OS, and run everything on shared infrastructure to maximize resource utilization
• Use health checks in Enterprise DC/OS to ensure Artifactory is always up and running

Elastic CI/CD Pipelines with Mesosphere Enterprise DC/OS
Never keep your developers waiting with an elastic continuous delivery environment, and ship code to production faster. Enterprise DC/OS enables faster time to value for new projects with burst capacity for new builds, and easy rollout of CI/CD to multiple DevOps teams. Mesosphere Enterprise DC/OS makes it easy to deploy and scale JFrog Artifactory, while running it on the same shared infrastructure as your containers and other components in the ecosystem such as Jenkins CI and your source code repositories.

JFrog Artifactory
Artifactory provides dependencies and is updated with the latest build artifacts and images. As the system of record, it receives and holds all build information including deployments and test results.

JFrog Artifactory

Deploy

Dependencies

Successful build artifacts and build info

Source Code Control

Integrate with major source code repository technologies, such as Git and automatically trigger the CI/CD pipeline based on code check-in.

Automated Build and Test

Start automated build and test pipelines, including smoke, integration, security and performance tests. Proceed if successful; reject and report to developer on failure.

Staging & Production

Deploy applications to staging area and migrate to production using either a blue/green or canary process.

git

Popular distributed revision control system with an emphasis on speed, data integrity, and non-linear workflows.

JFrog Artifactory

The most robust and fail-safe universal artifact repository manager available.

Jenkins

The industry standard continuous integration and continuous delivery automation software.

Mesosphere Enterprise DC/OS

Want to learn more?
Try it yourself! Get a free trial at www.jfrog.com/artifactory/free-trial-mesosphere/