

JFrog Partner Integrations

Overview

The JFrog partner integration and deployment options offer alternative methods of deploying JFrog products. These options may provide an easier or more preferred installation experience over the [standard installers](#).

Advantages for installing JFrog products via the Partner Integration alternatives are:

- Flexibility and the freedom of choice as part of JFrog's product philosophy that developer's should have the option to choose whatever works best for them.
- An easy way to find, and deploy partner solutions that are trusted, fully optimized and certified (where applicable) to run on their selected environment.

Release Schedule

These partner integrations and deployment options often depend on partner/third party approval and as such the release schedule will not match that of the official JFrog product releases.

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Supported Partner Integrations

JFrog Product(s)	Partner	Integration/ Deployment Type	JFrog Subscription
Artifactory These platform deployments will deploy JFrog Artifactory as the entry point of the JFrog Platform.	Amazon AWS	Container Marketplace	Pro/Enterprise
	Microsoft Azure	ARM Template	Enterprise
	Rancher	Catalog Helm Chart	Enterprise
	Red Hat	Certified UBI Docker Image	Pro/Enterprise
	Red Hat OpenShift	Certified OpenShift Operator	Enterprise
	Atlassian JIRA	Build Information	
	ServiceNow	Build Information	
	PagerDuty	PagerDuty	
	HashiCorp	Hashicorp Vault Artifactory Secrets Plugin Hashicorp Terraform Provider for JFrog Artifactory Hashicorp Terraform Provider for Artifactory Projects	Pro/Enterprise /Enterprise+
Artifactory and Xray These platform deployments have the option to install Artifactory and additional products.	Amazon AWS	CloudFormation Templates	Pro/Enterprise
	Google GCP	GKE Kubernetes App	Enterprise
	Microsoft Teams	Microsoft Teams	
	Salesforce Slack	Slack	
	Red Hat Ansible	Ansible Collection	Pro/Enterprise
Xray These platform deployments will deploy JFrog Xray and will take as input the URL and Join key needed to connect to an existing JFrog Artifactory instance.	Microsoft Azure	ARM Template	
	Red Hat OpenShift	Certified OpenShift Operator	

	PagerDuty	PagerDuty	
	Hashicorp	Hashicorp Terraform Provider for JFrog Xray	Pro/Enterprise /Enterprise+
	ServiceNow	ServiceNow Spoke	
Pipelines	PagerDuty	PagerDuty	
These platform deployments will deploy JFrog Pipelines and will take as input the URL and Join key needed to connect to an existing JFrog Artifactory instance.	Dynatrace	Pipelines-Dynatrace Reference Design	
Container Registry	Amazon AWS	Container Marketplace	
These platform developments will deploy JFrog Container Registry and take as input the URL and Join key needed to connect to an existing JFrog Artifactory instance.	Google GCP	GKE Kubernetes App	
	Microsoft Azure	ARM Template	
	Rancher	Catalog Helm Chart	
	Observability Integrations	Observability Integrations	

Observability Integrations

The JFrog Platform's unity is powered by many microservices, each with its own log record. When spread across multiple nodes, as with a high-availability JFrog Platform deployment (JPD), the complete picture of your platform operation may be dispersed across 25 or more logs in your network.

Operations teams need a way to bring this JPD log data together into a single collection, to analyze performance and track down operating problems. Even a small enterprise JPD might record millions of transaction events each day, operators need to be able to connect that data to a powerful analytics tool that can help find insights.

JFrog now offers tools that make the real-time view of the entire platform's operation much easier, through the analytics and visualization tool you already use. JFrog offers integrations with the following vendors:

Partner Vendor	Self-Managed Licenses
Splunk	Self-Managed Licenses
Datadog	Self-Managed Licenses
Prometheus	Self-Managed Licenses
Elasticsearch	Self-Managed
Sumo Logic	SaaS, Self-Managed

Unified Logging Layer - Fluentd

To enable JFrog to support numerous log vendors, an open source common logging platform Fluentd is used. It covers log input and field extraction for all products in the JFrog Platform and structures them as JSON. As part of the downstream data processing, the JSON output is forwarded leveraging the plugins to the desired log vendors such as Splunk, Datadog, EFK, and Prometheus. To learn more about Fluentd, see the [Fluentd documentation](#).

Configuring Fluentd with the JFrog Platform

JFrog Platform users who want to use our log analytics will install td-agent for fluentd and configurations per Artifactory node. Fluentd supports HA configuration by shipping logs to a fluentd log aggregator which is configured in a HA setup to prevent the log aggregator service from downtime in the event of a crash of the aggregation node. Below is a [link](#) with more details on HA setup for Fluentd.

Viewing Log Data in JFrog Dashboards

The aggregated data from Fluentd is plugged into different log analytics tools to search, analyze and visualize the data. The tools will start populating the JFrog logs dashboard to present timeline and count data for key operating metrics.

Some of the metrics supported in the dashboard are

- **Data Transfers (GBs) Over Time.** Displays data transfers in GBs for uploads and downloads as a stacked column chart on a timeline (binned by hour or a convenient time slice) for the last 24 hours.
- **Errors Over Time.** Number of errors every 15 minutes, parsed from artifactory-service.log as a column chart on a timeline for the last 24 hours.
- **Requests by Status Code (Every 10 Minutes).** Displays requests by status code every 10 minutes in a stacked column chart on a timeline for the last 24 hours.
- **Requests by Repo.** Shows the number of requests by repo as a bar chart for the last 24 hours. Display top 10 repositories.
- **Most Downloaded Artifacts.** Shows the number of requests by artifact as a bar chart for the last 24 hours. Display top 10 downloaded artifacts.
- **5xx Status Codes.** Displays 5xx status codes in a single value chart for the last 24 hours.
- **Active Downloading IPs.** Shows the top 10 active downloading IPs in GB in a bar chart for the last 24 hours.
- **Active Uploading IPs.** Provides the top 10 active uploading IPs in GB in a bar chart for the last 24 hours.
- **Most Active Repos by Data Transfer.** Displays the top 10 most active repos by data transfer in GB in a bar chart for the last 24 hours.
- **Audit Admin Users.** Displays all users in the last 24 hours who performed an action in the access-audit log, and the number of actions they took in a bar chart.
- **Denied Login Attempts.** Displays the number of denied login attempts in a statistics chart/table view, including details on IP address, user name, and number of attempts for the last 24 hours.
- **Denied Actions by IP.** Displays the number of denied actions by IP address in a bar chart, for the last six hours. Display top 10 denied IPs
- **Denied Actions by Username.** Displays the number of denied actions by username in a bar chart, for the last six hours. Display top 10 users
- **Accepted Deploys by Username.** Displays the number of accepted deploys by username in an statistics chart/table view, for the last six hours.