JFrog
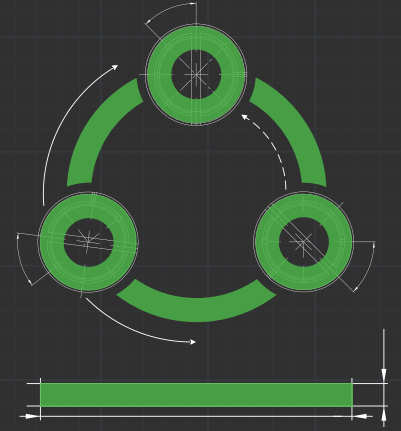
JFROG CONNECT

A comprehensive platform for updating, managing, and monitoring edge and IoT devices at scale.

THE CHALLENGE

Enterprises increasingly run mission-critical software apps outside the walls of the data center. Edge computing and IoT devices are now main-stream and are critical to competitiveness and growth across a wide range of industries, including logistics, retail, manufacturing, energy, infrastructure, hospitality, healthcare, and defense. This movement raises the question, how do you adopt modern DevOps practices in a field where devices are:

- Inaccessible (lack of Public-IP)
- Connectivity is limited
- Lack of on-site personnel
- Wide variety of hardware and software models
- Scalability metrics are turned on their head (millions of devices)

THE SOLUTION

JFrog Connect gets you up and running in minutes with a full-fledged modern device management solution that supports the complete lifecycle of connected assets in a simple, intuitive way. Unlike other IoT point tools, JFrog Connect bridges edge device and IoT development efforts with modern DevOps best practices that deliver speed, reliability and security to deployed applications, allowing you to benefit from a **central platform to drive the next evolution of your digital transformation** across all types of applications.

JFrog Connect, for me, is really a scaling tool so I can deploy edge IoT integrations much quicker and manage them at a larger scale. There's less manual, one-off intervention when connecting to different customer sites with different VPNs and firewall requirements.

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KEY FUNCTIONALITY & BENEFITS

CONTINUOUS SOFTWARE UPDATES

- Automated OTA update deployments from code to device with the industry-leading "update blocks" for simple, reliable deployments to large fleets of devices to apply new features, bug fixes, or security patches.

- Manage the end-to-end software supply chain (SBOM) - with full visibility into all dependencies and components versions (OSS, 3rd/1st party) running on the device, ensuring package integrity and security.

ACCELERATE TROUBLESHOOTING, REMEDIATION

- ✔ Avoid insecure device passwords and firewall configurations. Out-of-the-box port-mapping allows you to securely connect to any type of Linux device on any network (including under NAT or behind a firewall) with a single click from any browser.

- ✔ Remote Control (terminal access) and Remote Access (port forwarding) lets you connect to any device and view its traffic in the local network. Along with automatic log collection and monitoring, these enable you to reproduce and debug issues to accelerate remediation quickly and safely.

COMPREHENSIVE FLEET VISIBILITY

- ✔ Segment and filter devices based on hierarchical groups and tags to organize a large fleet of devices into an easily manageable inventory of both software and hardware.

- ✔ View status of the entire device fleet, including device state, model, OS, location, data, communication, and application version.

MONITORING AND ALERTS

- ✔ Monitor and protect devices in the field with a single pane of glass with full visibility into the health of the devices.

- ✔ Real-time monitoring of device resources (CPU, RAM, disk) along with automatic anomaly detection and customizable alerts that integrate with any third-party apps to alert and resolve issues quickly and efficiently.

DEVOPS FOR CONNECTED DEVICES

- ✔ A single source of truth for software components and application versions that are used by developers, security, IT, and ops personnel to achieve faster time-to-value, mitigate risks, and minimize downtime.

- ✔ Universal management of binaries, packages, and dependencies (**JFrog Artifactory**)

- ✔ Security scanning to identify open source security vulnerabilities (**JFrog Xray**)

- ✔ Download acceleration for large global deployments (**JFrog Distribution**)

CONNECT YOUR WAY

From pilot stage to fleetwide production, JFrog Connect helps you deploy, update and manage your edge and IoT devices at scale. The combined integration of JFrog Connect, JFrog Artifactory and JFrog Xray, help to provide the automation, security and reliability of modern DevOps best practices - from developer to the device. You can start for free at https://jfrog.com/register/

www.jfrog.com

www.twitter.com/jfrog

www.facebook.com/artifrog

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