JFrog

SOLUTION SHEET

JFrog
DISTRIBUTION EDGES

Low-latency, secure, hybrid software
distribution infrastructure

Distribution Edges, from JFrog Distribution, are read-only Artifactory repositories that provide local, low latency, RBAC-enabled consumption points for distributed content.

Distribution Edges can be deployed as part of your delivery topology to enable governed, secure distribution across environments with optimized downloads speed at the consumption point.

DISTRIBUTION EDGES PROVIDE

- **Faster Downloads** with local, low latency consumption point(s) for distributed content. Optional CDN and PDN fronts enable further acceleration of downloads and improved concurrency

- **Hybrid distribution**: Distribution Edges can be deployed on any environment (on-prem or cloud) or consumed as a managed SaaS instance available on all public clouds

- **Full RBAC and audit trail** for all distribution transactions, publishing, managing, and consuming binaries

- **Tracking** for both public (open) and authenticated downloads

- **Configurable download restrictions** based on Geo or IP blacklist/ whitelist. Signed URLs enable time-limited download availability

- **Improve performance and resilience at scale** by load-balancing downloads closer to consumption points to offload Artifactory Hub

- **Flexible, Multi-tier Distribution Stack:** Combining Distribution Edges and Private Distribution Network (PDN) enables you to create a powerful and infinitely scalable distribution infrastructure to drive your delivery efforts

KEY USE CASES **FOR DISTRIBUTION EDGES:**

EXTERNAL DISTRIBUTION
USING YOUR OWN DOWNLOAD CENTER:
Publish and distribute your software for public download by your developer and partner ecosystems, or by specific - authenticated - customers, partners or vendors.infrastructure to any edge/device.

VENDORS IN A COMPLEX SUPPLY CHAIN:
With governed repository-to-repository direct distribution and SBOM visibility, Distribution Edges eliminate manual, error-prone processes and enable immediate ingestion of distributed builds by thousands of developers in the next stage of the product delivery lifecycle.
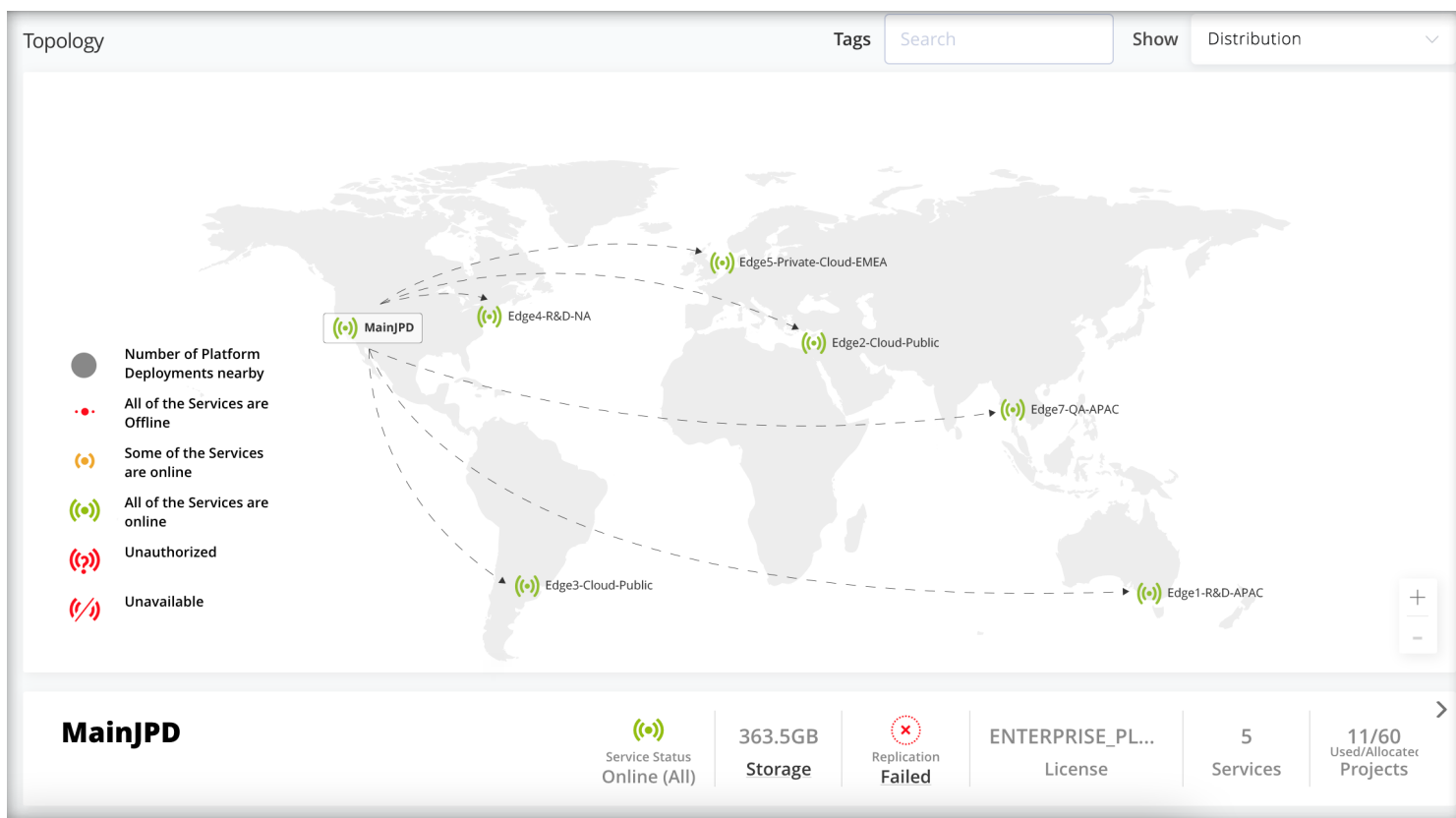
INTERNAL DISTRIBUTION:
To remote development teams, across inbound-only networks, or for enforcing separation of duties requirements.

RUNTIME DISTRIBUTION:
Distribution Edges located close to production clusters provide a middle-layer for low-latency, fast, geo-based downloads to accelerate deployments across regions or hybrid environments/devices.

DISTRIBUTION EDGES TOPOLOGY VIEW

Topology   Tags [Search]   Show [Distribution ⌄]

Edge5-Private-Cloud-EMEA

Edge4-R&D-NA

MainJPD

Edge2-Cloud-Public

Edge7-QA-APAC

Edge3-Cloud-Public

Edge1-R&D-APAC

- ● Number of Platform Deployments nearby
- All of the Services are Offline
- Some of the Services are online
- All of the Services are online
- Unauthorized
- Unavailable

MainJPD

| ((•)) Service Status Online (All) | 363.5GB Storage | ✕ Replication Failed | ENTERPRISE_PL... License | 5 Services | 11/60 Used/Allocated Projects |

A BETTER WAY TO DISTRIBUTE

Modern application development has created new challenges for software distribution that slow down your delivery speed. The JFrog Platform is the only end-to-end DevOps solution that bridges the gap between CI/CD processes and the network and distribution impediments to modern delivery at scale.

ABOUT JFROG

JFrog is on a Liquid Software mission to enable the flow of software seamlessly and securely from the developer's keystrokes to any device. Thousands of customers including the world's top brands, such as Amazon, Facebook, Google, Netflix, Uber, VMware, and Spotify put their trust in JFrog to manage their mission-critical software delivery pipelines.

Try the JFrog DevOps Platform and JFrog Distribution for yourself: jfrog.com/platform/free-trial/

LEARN MORE:

The JFrog DevOps Platform | JFrog Distribution | Challenges to modern software distribution | Contact us

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