



The Liquid Software Company

# GitHub & JFrog インテグレーションについて

JFrog Japan株式会社

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2025/08/20



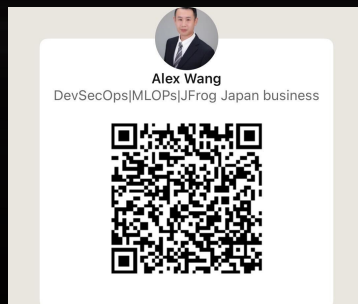
# 自己紹介

戦略コンサル時代、様々な業界に対して、アジャイル、DevSecOpsのコーチとして開発環境構築、CICD構築などのプロジェクトをリードしてきました。

現在、JFrogでDevSecOpsやLiquid Softwareを日本への展開・普及を行っています。



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The  
Liquid  
Software  
Company

EXIN DevOps Professional  
PMI Project Management Professional  
PCI DSS Member  
Aoyamagakuin-MBA

# Fortune100のうち、90社採用。本社アメリカ、国内100社以上導入実績

10/10  
TOP  
TECHNOLOGY

10/10  
TOP  
FINANCE

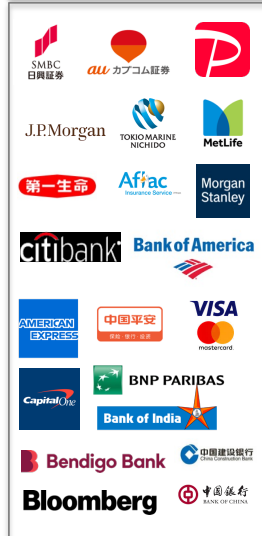
9/10  
TOP  
HEALTHCARE

8/10  
TOP  
RETAIL

8/10  
TOP  
TRANSPORTATION

ユーザー企業抜粋

## Financial



## Automotive



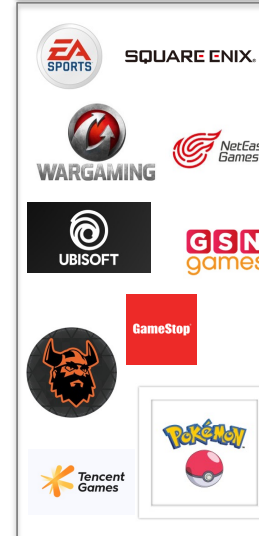
## IT



## Manufactory



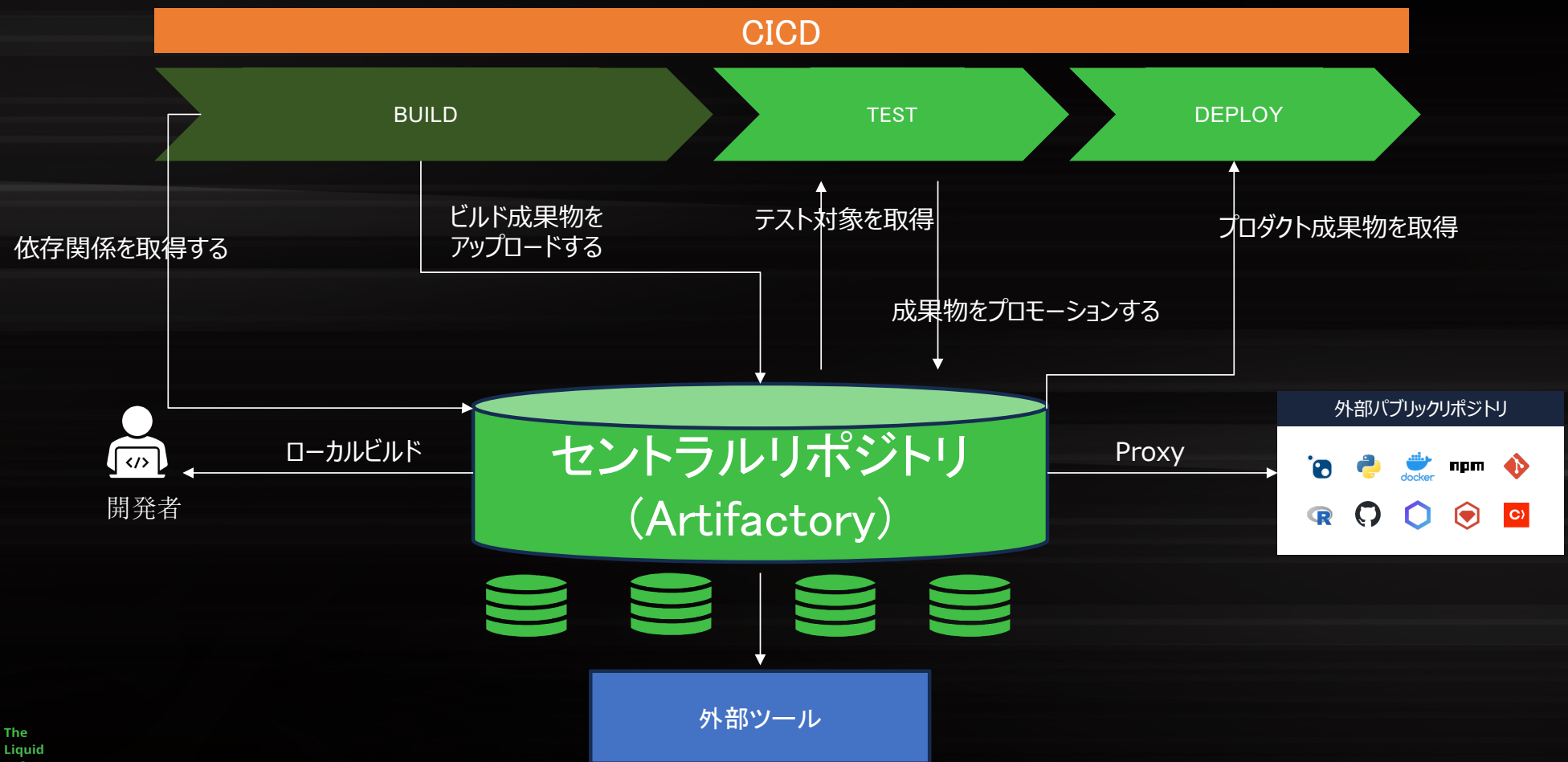
## Game



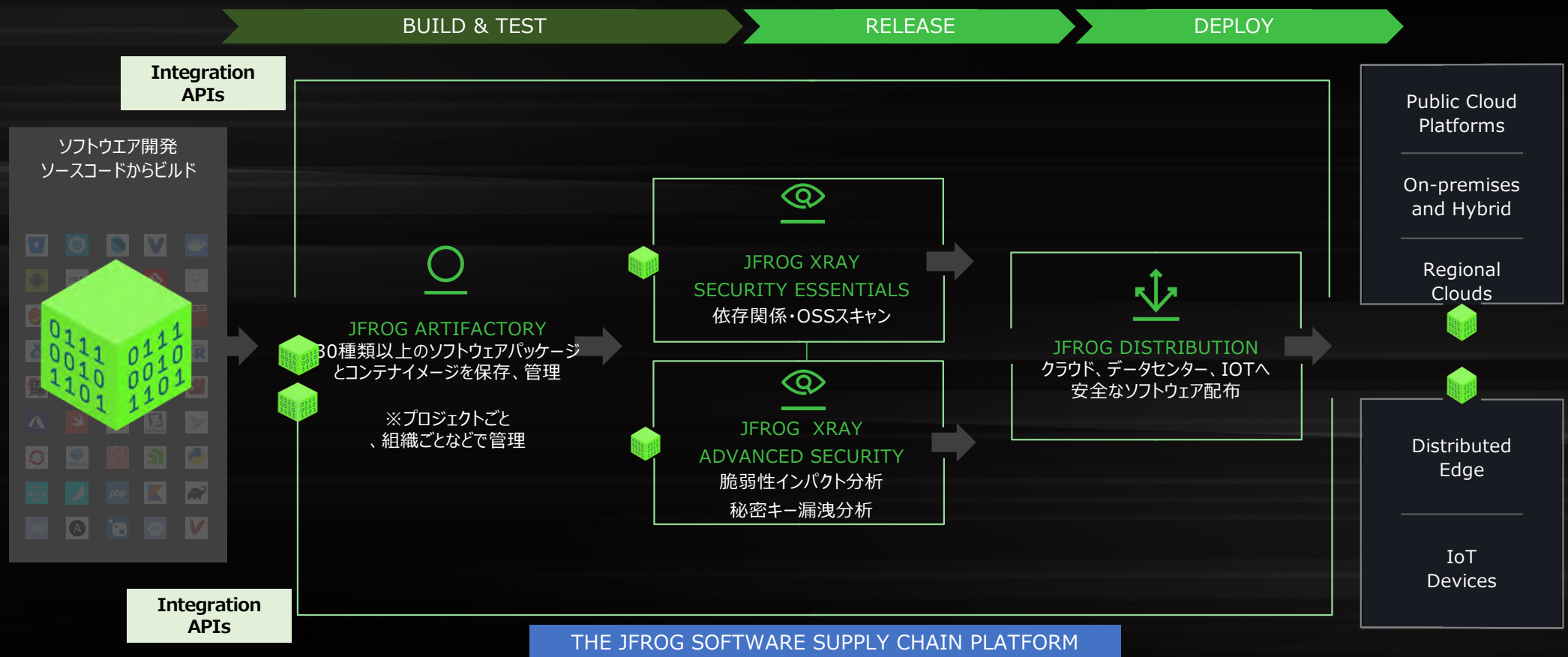
## The others



# Artifactory : セントラルリポジトリとは

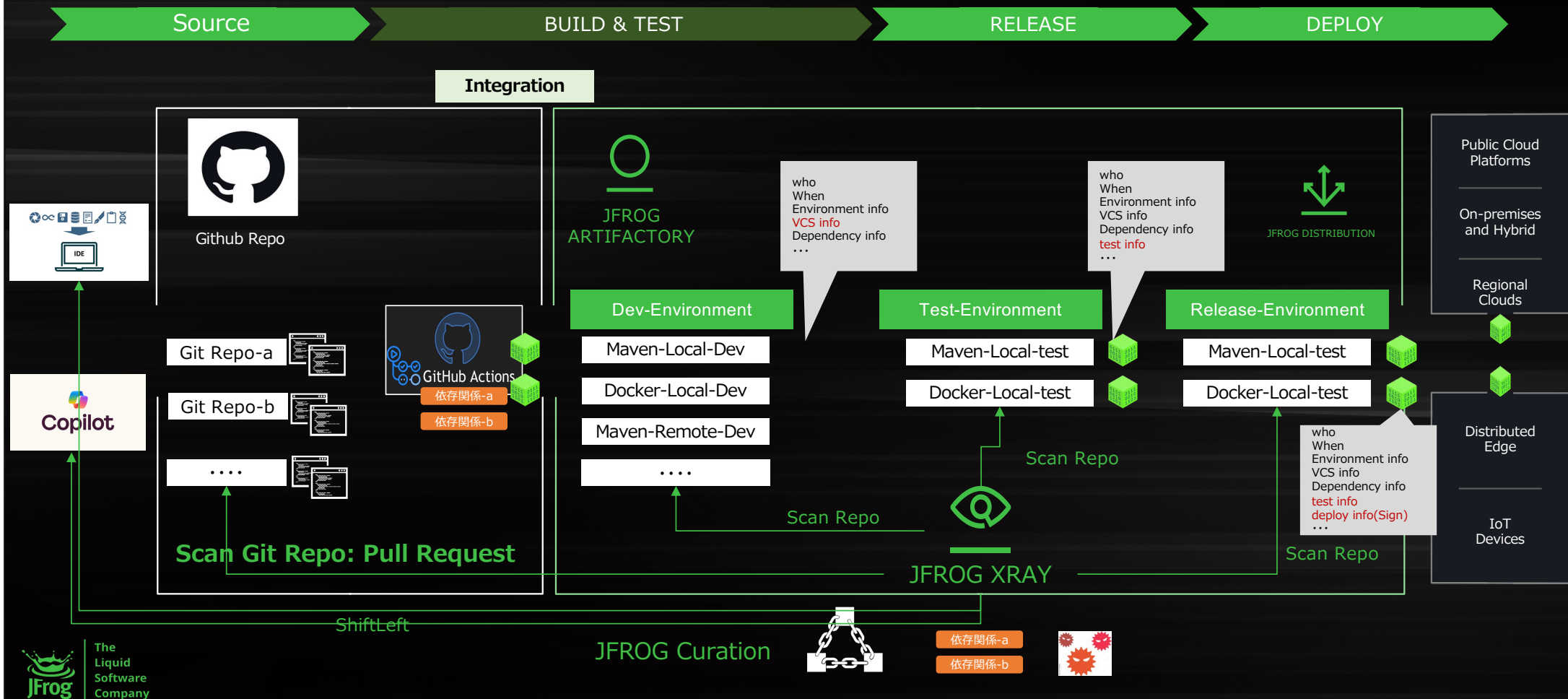


# JFrog プラットフォームについて



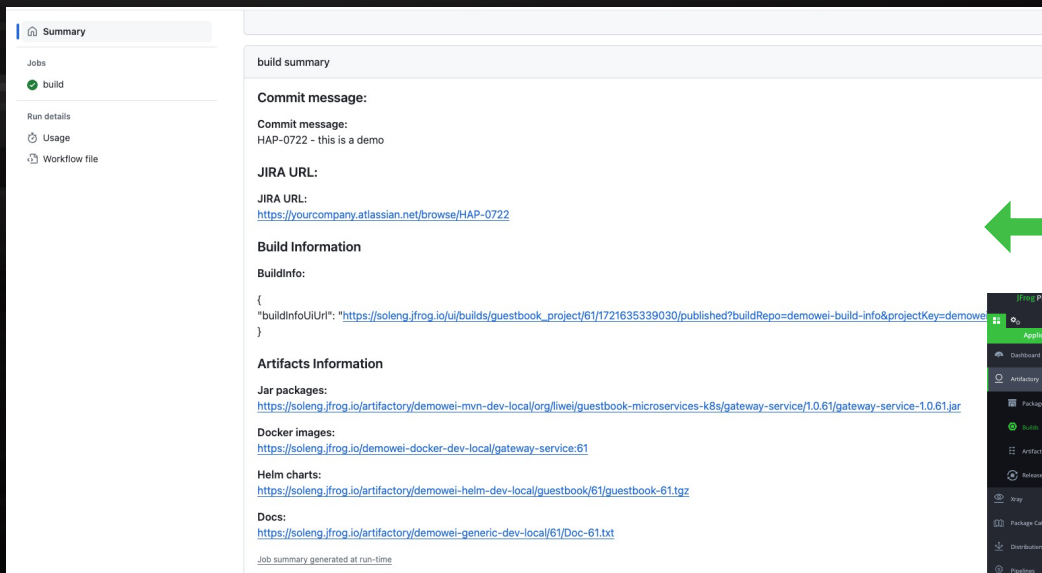


# ex: Github+JFrog 開発～リリースProcess



# 双方向のコードとパッケージのリンクとCI統合

成果物だけではなく、ビルド時の環境情報、metaデータなどがJFrogに入る、ソースコードとバイナリの情報リンク

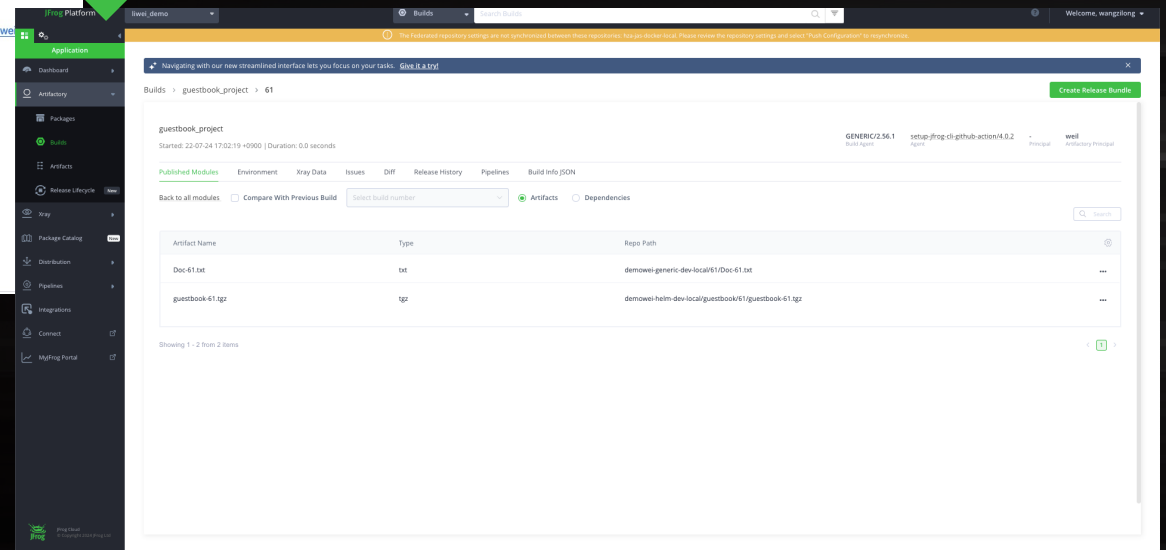


The screenshot shows the 'Summary' tab of a JFrog build. It includes a sidebar with links to Jobs, Run details, Usage, and Workflow file. The main content area displays the following information:

- build summary**
- Commit message:**  
Commit message:  
HAP-0722 - this is a demo
- JIRA URL:**  
JIRA URL:  
<https://yourcompany.atlassian.net/browse/HAP-0722>
- Build Information**  
BuildInfo:  

```
{
  "buildInfoUIURL": "https://soleng.jfrog.io/ui/builds/guestbook_project/61/721635339030/published?buildRepo=demowei-build-info&projectKey=demowei"
}
```
- Artifacts Information**
  - Jar packages:**  
<https://soleng.jfrog.io/artifactory/demowei-mvn-dev-local/org/llwei/guestbook-microservices-k8s/gateway-service-1.0.61.jar>
  - Docker images:**  
<https://soleng.jfrog.io/demowei-docker-dev-local/gateway-service-61>
  - Helm charts:**  
<https://soleng.jfrog.io/artifactory/demowei-helm-dev-local/guestbook/61/guestbook-61.tgz>
  - Docs:**  
<https://soleng.jfrog.io/artifactory/demowei-generic-dev-local/61/Doc-61.txt>

Job summary generated at run-time



The screenshot shows the JFrog Platform interface for a build named 'guestbook\_project'. The interface includes a sidebar with navigation links and a main content area displaying build details and artifacts.

**Build Details:**

- Builds: guestbook\_project > 61
- Start: 22-07-24 17:02:19 +0900 | Duration: 0.0 seconds
- Agents: GENERIC/2.56.1, setup/jfrog-ci-github-action/0.2
- Artifacts: well

**Artifacts Table:**

Artifact Name	Type	Repo Path
Doc-61.txt	txt	demowei-generic-dev-local/61/Doc-61.txt
guestbook-61.tgz	tgz	demowei-helm-dev-local/guestbook/61/guestbook-61.tgz

Showing 1 - 2 from 2 items

# ビルドインフォとバージョン管理について

例：このJarファイルに対して、PJ name、ビルドNo.、ビルドの人（Git Owner）、ビルド時間、Git repoなど確認できる

The screenshot displays the JFrog Platform interface. On the left is a sidebar with navigation options: Application, Dashboard, Artifactory, Packages, Builds, Artifacts, Release Lifecycle, Xray, Package Catalog, Distribution, Pipelines, Integrations, Connect, and MyFrog Portal. The main area shows a list of artifacts under the 'liwei\_demo' repository. The artifact 'gateway-service-1.0.60.jar' is selected. To the right, the 'Properties' tab is active, showing a table of metadata.

Property	Value
build.name	1   guestbook_project
build.number	1   60
build.timestamp	1   1721633273006
commit.author	1   liwei2151284
commit.message	1   HAP-1333 - This is a sample issue
commit.sha	1   ae8ec22e8d595d1273792bf02e337a63335b4ffb
event.name	1   push
event.url	
git.owner	1   liwei2151284
head.ref	1   empty
ref.name	1   refs/heads/main
repository.url	1   git://github.com/liwei2151284/guestbook_project.git



# ビルドインフォについて

また、以前のビルド成果物とのDiffを取れる

The screenshot displays the JFrog Platform interface. On the left is a sidebar with navigation links: Application, Dashboard, Artifacts, Packages, Builds, Artifacts, Release Lifecycle, Xray, Package Catalog, Distribution, Pipelines, Integrations, Connect, and MyJFrog Portal. The main area shows the 'Builds' section for 'guestbook\_project' with a 'Diff' view selected. A dropdown menu is open, showing a list of builds. The table below compares build variables between two builds, with a 'Status' column indicating if they are 'Unchanged'.

Variable	Build # 59 Key	Build # 59 Value	Status
buildinfo.env.ACCEPT_EULA	buildinfo.env.ACCEPT_EULA	Y	Unchanged
buildinfo.env.ACTIONS_RUNNER_ACTION_ARCHIVE_CACHE	buildinfo.env.ACTIONS_RUNNER_ACTION_ARCHIVE_CACHE	/opt/actionarchivecach	Unchanged
buildinfo.env.AGENT_TOOLS_DIRECTORY	buildinfo.env.AGENT_TOOLS_DIRECTORY	/opt/hostedtoolcache	Unchanged
buildinfo.env.ANDROID_HOME	buildinfo.env.ANDROID_HOME	/usr/local/lib/android/sdk	Unchanged
buildinfo.env.ANDROID_NDK	buildinfo.env.ANDROID_NDK	/usr/local/lib/android/sdk/ndk/25.2.9519653	Unchanged
buildinfo.env.ANDROID_NDK_HOME	buildinfo.env.ANDROID_NDK_HOME	/usr/local/lib/android/sdk/ndk/25.2.9519653	Unchanged
buildinfo.env.ANDROID_NDK_LATEST_HOME	buildinfo.env.ANDROID_NDK_LATEST_HOME	/usr/local/lib/android/sdk/ndk/26.3.11579264	Unchanged
buildinfo.env.ANDROID_NDK_ROOT	buildinfo.env.ANDROID_NDK_ROOT	/usr/local/lib/android/sdk/ndk/25.2.9519653	Unchanged
buildinfo.env.ANDROID_SDK_ROOT	buildinfo.env.ANDROID_SDK_ROOT	/usr/local/lib/android/sdk	Unchanged
buildinfo.env.ANT_HOME	buildinfo.env.ANT_HOME	/usr/share/ant	Unchanged

# 依存関係について

すべての依存関係を一覧できる

The screenshot displays the JFrog Platform interface. On the left is a dark sidebar with navigation links: Application, Dashboard, Artifactory, Packages, Builds, Artifacts, Release Lifecycle, Xray, Package Catalog, Distribution, Pipelines, Integrations, Connect, and MyJfrog Portal. The main content area shows the 'Builds' section for 'guestbook\_project' > '60'. A notification banner at the top states: 'The Federated repository settings are not synchronized between these repositories: hza-jas-docker-local. Please review the repository settings and select "Push Configuration" to resynchronize.' Below this, a blue banner reads: 'Navigating with our new streamlined interface lets you focus on your tasks. Give it a try!'. The build details show 'guestbook\_project' started on 22-07-24 at 16:27:53 +0900, with a duration of 0.0 seconds. It lists agents: 'GENERIC/2.56.1 Build Agent' and 'setup-jfrog-cli-github-action/4.0.2 Agent'. The principal is 'weil Artifactory Principal'. The 'Published Modules' tab is active, showing options for 'Back to all modules', 'Compare With Previous Build', and 'Select build number'. Below this, the 'Dependencies' section is shown with a table of dependencies.

Dependency ID	Scope	Type	Repo Path
aopalliance:aopalliance:1.0	compile	jar	aopalliance/aopalliance/1.0/aopalliance-1.0.jar
ch.qos.logback:logback-classic:1.1.7	compile	jar	ch/qos/logback/logback-classic/1.1.7/logback-classic-1.1.7.jar
ch.qos.logback:logback-core:1.1.7	compile	jar	ch/qos/logback/logback-core/1.1.7/logback-core-1.1.7.jar
com.amazonaws:aws-java-sdk-autoscaling:1.9.3	runtime	jar	com/amazonaws/aws-java-sdk-autoscaling/1.9.3/aws-java-sdk-autoscaling-1.9.3.jar
com.amazonaws:aws-java-sdk-core:1.10.30	runtime	jar	com/amazonaws/aws-java-sdk-core/1.10.30/aws-java-sdk-core-1.10.30.jar
com.amazonaws:aws-java-sdk-ec2:1.10.30	runtime	jar	com/amazonaws/aws-java-sdk-ec2/1.10.30/aws-java-sdk-ec2-1.10.30.jar
com.amazonaws:aws-java-sdk-route53:1.9.3	runtime	jar	com/amazonaws/aws-java-sdk-route53/1.9.3/aws-java-sdk-route53-1.9.3.jar
com.amazonaws:aws-java-sdk-sts:1.9.3	runtime	jar	com/amazonaws/aws-java-sdk-sts/1.9.3/aws-java-sdk-sts-1.9.3.jar
com.fasterxml.jackson.core:jackson-annotations:2.6.6	compile	jar	com/fasterxml/jackson/core/jackson-annotations/2.6.6/jackson-annotations-2.6.6.jar
com.fasterxml.jackson.core:jackson-core:2.6.6	compile	jar	com/fasterxml/jackson/core/jackson-core/2.6.6/jackson-core-2.6.6.jar

# 脆弱性とSBOMについて

## 脆弱性の確認とSBOMの両方に対応

The screenshot displays the JFrog Platform interface for a security scan of the 'guestbook\_project/60'. The interface includes a sidebar with navigation options and a main content area showing scan results.

**Summary Metrics:**

- Critical & High Vulnerabilities: 139
- Includes Fix Version: 179
- Enriched by JFrog: 132
- Component With Most Vulnerabilities: 62 (com.fasterxml.jackson.core:jackson-databind 2.6.6)

**49 Vulnerabilities Table:**

Severity	CVSS v3	ID	Contextual Analysis	JFrog Research	Component	Fix Version	CWE
Critical	9.8	CVE-2013-7285	Applicable	Critical	com.thoughtworks.xstream:xstream:1.4.2	1.4.11, 1.4.7	CWE-77 (+1)
Critical	9.8	CVE-2022-1471	Applicable	Critical	org.yaml:snakeyaml:1.16	2.0	CWE-502 (+2)
Critical	10.0	CVE-2021-44228	Applicable	Critical	org.apache.logging.log4j:log4j-core:2.13.0	2.12.2, 2.15.0, 2.3.1	CWE-917 (+3)
Critical	9.8	CVE-2021-21344	Applicable	Critical	com.thoughtworks.xstream:xstream:1.4.2	1.4.16	CWE-434 (+1)
Critical	9.9	CVE-2021-21345	Applicable	Critical	com.thoughtworks.xstream:xstream:1.4.2	1.4.16	CWE-94 (+1)
Critical	9.8	CVE-2021-21346	Applicable	Critical	com.thoughtworks.xstream:xstream:1.4.2	1.4.16	CWE-434 (+1)
Critical	9.8	CVE-2021-21347	Applicable	Critical	com.thoughtworks.xstream:xstream:1.4.2	1.4.16	CWE-502 (+1)
Critical	9.8	CVE-2021-21350	Applicable	Critical	com.thoughtworks.xstream:xstream:1.4.2	1.4.16	CWE-434 (+1)
Critical	9.1	CVE-2021-21351	Applicable	Critical	com.thoughtworks.xstream:xstream:1.4.2	1.4.16	CWE-502 (+1)
Critical	9.1	CVE-2021-21342	Applicable	High	com.thoughtworks.xstream:xstream:1.4.2	1.4.16	CWE-502 (+1)
Critical	9.8	CVE-2019-10173	Applicable		com.thoughtworks.xstream:xstream:1.4.2	1.4.11	CWE-502 (+1)
Critical	9.8	CVE-2022-22965	Not Applicable	Critical	org.springframework:spring-beans:4.2.6.RELEASE	5.2.20.RELEASE, 5.3.18	CWE-94 (+1)
Critical	9.8	CVE-2022-22965	Not Applicable	Critical	org.springframework:spring-webmvc:5.3.18	5.2.20, 5.3.18	CWE-94
Critical	9.8	CVE-2016-1000027	Not Applicable	Critical	org.springframework:spring-web:4.2.6.RELEASE	6.0.0	CWE-502

# 統合セキュリティ：SASTとSCA

Frogbotを利用して、Github上でSASTとSCAもできる

WebGoat-frogbot

pull requests 3 Actions Projects Wiki Security 68 Insights

Overview

Reporting Policy Advisories Vulnerability alerts Dependabot Code scanning 68

### Code scanning

JFrog Frogbot is reporting errors. Check the [JFrog Frogbot status page](#) for help. Tools 1 + Add tool

is:open branch:main

<input type="checkbox"/>	68 Open	✓ 89 Closed	Language	Tool	Branch	Rule	Severity	Sort
<input type="checkbox"/>	[CVE-2023-34034] org.springframework.security:spring-security-config 6.1.0	Critical	main					
<input type="checkbox"/>	[CVE-2021-21351] com.thoughtworks.xstream:xstream 1.4.5	Critical						
<input type="checkbox"/>	[CVE-2021-21347] com.thoughtworks.xstream:xstream 1.4.5	Critical						
<input type="checkbox"/>	[CVE-2021-21346] com.thoughtworks.xstream:xstream 1.4.5	Critical						
<input type="checkbox"/>	[CVE-2022-1471] org.yaml:snakeyaml 1.33	Critical						
<input type="checkbox"/>	[CVE-2021-21342] com.thoughtworks.xstream:xstream 1.4.5	Critical						
<input type="checkbox"/>	[CVE-2013-7285] com.thoughtworks.xstream:xstream 1.4.5	Critical						
<input type="checkbox"/>	[CVE-2019-10173] com.thoughtworks.xstream:xstream 1.4.5	Critical						
<input type="checkbox"/>	[CVE-2021-21345] com.thoughtworks.xstream:xstream 1.4.5	Critical						

liwei2151284 / WebGoat-frogbot

<> Code Issues Pull requests 3 Actions Projects Wiki Security 68 Insights

### Code scanning alerts / #45

#### [CVE-2023-34034] org.springframework.security:spring-security-config 6.1.0

Dismiss alert Create issue

Open in main last week

Beta Give feedback

Severity Critical

Affected branches main

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
3   <modelVersion>4.0.0</modelVersion>
4   <groupId>org.springframework.boot</groupId>
5   <artifactId>spring-boot-starter-security</artifactId>
6   <version>3.1.0</version>
7   <packaging>jar</packaging>
8   <name>Spring Boot Starter Security</name>
9   <description>Spring Boot Starter Security</description>
10  <parent>
11    <groupId>org.springframework.boot</groupId>
12    <artifactId>spring-boot-starter</artifactId>
13    <version>3.1.0</version>
14  </parent>
15  <dependencies>
16    <dependency>
17      <groupId>org.springframework</groupId>
18      <artifactId>spring-security-config</artifactId>
19      <version>6.1.0</version>
20    </dependency>
21  </dependencies>
22  <build>
23    <plugins>
24      <plugin>
25        <groupId>org.springframework.boot</groupId>
26        <artifactId>spring-boot-maven-plugin</artifactId>
27      </plugin>
28    </plugins>
29  </build>
30 </project>
```

Tool	Rule ID
JFrog Frogbot	CVE-2023-34034_org.springframework.security:spring-security-config 6.1.0

Severity Score	Direct Dependencies	Fixed Versions
9.8	org.springframework.boot:spring-boot-starter-security 3.1.0	[5.6.12], [5.7.10], [5.8.5], [6.0.5], [6.1.2]

First detected in commit on Apr 23

Update frogbot-scan-repository.yml Verified fd54e98

pom.xml:1 on branch main

# 統合セキュリティ：Git RepoのScan確認

JFrog UI上でGit repoのScan結果を確認できる

The image displays two screenshots of the JFrog Platform UI, illustrating how to check Git repository scan results.

**Left Screenshot: Git Repositories List**

The left screenshot shows the 'Git Repositories' list in the JFrog Platform. The table lists various repositories with their names, project paths, last scan dates, and technologies.

Repository	Project Path	Last Scan	Technologies
guestbook_project	JFrogChina	23 Jul 2024 01:23 (GMT+0900)	✓
WebGoat-frogbot	liwei2151284	23 Jul 2024 01:15 (GMT+0900)	✓
acme-spring-boot	cmoyamoras	23 Jul 2024 01:11 (GMT+0900)	✓
gallery_server	guybar	23 Jul 2024 01:09 (GMT+0900)	✗
realworld	fgbelin	23 Jul 2024 01:09 (GMT+0900)	✗
ejis-frog-demo	muidos	23 Jul 2024 01:00 (GMT+0900)	✗
WebGoat-frogbot...	MaharshiPatel	23 Jul 2024 00:54 (GMT+0900)	✓
demoproject	demoprojectana...	23 Jul 2024 00:50 (GMT+0900)	✓
frog-demo-terraf...	mambrozak	23 Jul 2024 00:45 (GMT+0900)	✓
WebGoat	petrofi	23 Jul 2024 00:38 (GMT+0900)	✓
frogbot-demo	JFrogChina	23 Jul 2024 00:36 (GMT+0900)	✓
sample-package...	JFrog	23 Jul 2024 00:15 (GMT+0900)	✗
sample-ngm-prjct...	JFrog	23 Jul 2024 00:06 (GMT+0900)	✗
adam-jfrog-pytho...	adam-jfrog	22 Jul 2024 21:37 (GMT+0900)	✗
frog-github-esam...	christoph-f	22 Jul 2024 06:33 (GMT+0900)	✗

**Right Screenshot: Commits List**

The right screenshot shows the 'Commits' list for the 'guestbook\_project' repository. The table lists commits with their IDs, messages, commit authors, and scan results.

Commit ID	Commit Message	Commit By	Malicious Package	CVEs	Exposures	SAST	Date
4e7b9ec2f...	Create SECURITY.md	liwei2151284	Not Found	229	8	0	22 Jun 2024 15:25 (GMT+0900)
3bc188216...	Update frogbot-scan-repository.yml	liwei2151284	Not Found	0	8	0	22 Jun 2024 15:12 (GMT+0900)
8ffa734b7b...	Update pom.xml	liwei2151284	Not Found	0	8	0	22 Jun 2024 14:06 (GMT+0900)
6fbc6a7dc...	Update pom.xml	liwei2151284	Not Found	0	8	0	22 Jun 2024 13:10 (GMT+0900)
ca8e719217...	Update frogbot-scan-repository.yml	liwei2151284	Not Found	0	8	0	22 Jun 2024 00:59 (GMT+0900)
b1ec09f0b...	Update pom.xml	liwei2151284	Not Found	0	8	0	21 Jun 2024 16:05 (GMT+0900)
3aa76318c...	Update frogbot-scan-repository.yml	liwei2151284	Not Found	0	8	0	21 Jun 2024 15:51 (GMT+0900)
f337f2065...	Create frogbot-scan-repository.yml	liwei2151284	Not Found	0	0	0	21 Jun 2024 14:54 (GMT+0900)

# CopilotでShiftLeft

The screenshot shows an IDE with a Maven `pom.xml` file open. The file contains dependencies for `org.apache.logging.log4j:log4j-core` and `ch.qos.logback:logback-classic`, along with a plugin for `org.apache.maven.plugins:maven-war-plugin`. A chat window on the right is open, showing a conversation with Jfrog AI. The chat history includes a question about Maven coordinates for log processing and a response listing several coordinates. The current question asks for the version of `log4j` used in the organization, and the response lists a long list of versions.

**Chat History:**

@jfrog ログを処理するためのMavenコンポーネントをいくつか教えていただけますか?

以下のMavenコンポーネントは、ログを処理するためにおすすめです:

- org.apache.logging.log4j:log4j-core**
  - 説明: Log4j APIの多用途で高度グレードのリファレンス実装。ファイル、ネットワークソケット、データベース、SMTPサーバーを対象としたAppenderや、CSV、HTML、JSON、Syslogなどのフォーマットで出力をレンダリングするLayoutsを含む。
  - 最新バージョン: 2.24.3 (2024-12-10)
- ch.qos.logback:logback-classic**
  - 説明: logback-classicモジュール
  - 最新バージョン: 1.5.18 (2025-03-18)
- org.slf4j:slf4j-api**
  - 説明: slf4j API
  - 最新バージョン: 2.0.17 (2025-02-25)

これらのコンポーネントは、ログの生成、管理、出力に役立ちます。

@jfrog 私の組織では、どのバージョンのlog4jが使用されていますか?

あなたの組織では、以下のバージョンのLog4jが使用されています:

- 2.23.1
- 2.20.0
- 2.18.0
- 2.17.2
- 2.17.1
- 2.17.0
- 2.16.0
- 2.15.0
- 2.14.1
- 2.14.0
- 2.13.2
- 2.13.0
- 2.12.4
- 2.12.2
- 2.12.1
- 2.12.0
- 2.11.2
- 2.11.0
- 2.10.0
- 2.9.1
- 2.9.0
- 2.8.2
- 2.8
- 2.7
- 2.3
- 2.1

これらのバージョンが組織内で使用されています。



# CopilotでShiftLeft

The screenshot shows an IDE with a Maven `pom.xml` file open. The file contains dependencies for `spring-boot-starter-web`, `fastjson`, `log4j-core`, and `maven-war-plugin`. A chat window on the right is open, showing a conversation with Jfrog Copilot. The chat history includes a question about Log4j versions, a response listing vulnerable versions (2.23.1, 2.20.0, 2.18.0), a follow-up question about high-risk security vulnerabilities, and a response stating that the current versions are not high-risk. The chat window also shows a filter for 'Jfrog' and a message from Jfrog Copilot.

```
<?xml-stylesheet type="text/xsl" href="http://maven.apache.org/POM/4.0.0.xsl" />
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>org.springframework.boot</groupId>
  <artifactId>spring-boot-starter-web</artifactId>
  <version>2.7.0</version>
  <packaging>war</packaging>
  <name>Spring Boot Web</name>
  <description>Spring Boot Web</description>
  <url>http://spring.io</url>
  <properties>
    <java.version>1.8</java.version>
    <maven.compiler.source>1.8</maven.compiler.source>
    <maven.compiler.target>1.8</maven.compiler.target>
  </properties>
  <dependencies>
    <!-- Spring Boot Web -->
    <!-->
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-web</artifactId>
    <version>2.7.0</version>
    </dependency>
    <!-- Fastjson --&;
    <dependency>
      <groupId>com.alibaba</groupId>
      <artifactId>fastjson</artifactId>
      <version>1.2.63</version>
    </dependency>
    <!-- Log4j -->
    <dependency>
      <groupId>org.apache.logging.log4j</groupId>
      <artifactId>log4j-core</artifactId>
      <version>2.14.0</version>
    </dependency>
    <dependency>
      <groupId>io.github.andr3colonel</groupId>
      <artifactId>jfrog_dummy</artifactId>
      <version>1.0.0</version>
    </dependency>
  </dependencies>
  <build>
    <plugins>
      <plugin>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-maven-plugin</artifactId>
      </plugin>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-war-plugin</artifactId>
        <version>3.8.1</version>
        <configuration>
          <source>1.8</source>
          <target>1.8</target>
        </configuration>
      </plugin>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-war-plugin</artifactId>
        <version>3.4.0</version>
        <configuration>
          <failOnMissingWebXml>false</failOnMissingWebXml>
        </configuration>
      </plugin>
    </plugins>
  </build>
</project>
```

@jfrog それらのバージョンはどこに保存されていますか?

jfrog

以下のLog4jバージョンは、あなたの組織内で次のリポジトリに保存されています:

- Log4j 2.23.1
  - リポジトリ:
    - external-maven-dev-remote-cache
    - mikeho-jvm-tasks-gradle-remote-cache
- Log4j 2.20.0
  - リポジトリ:
    - stateformoc-mvn--remote-cache
    - fbot-maven-remote-cache
    - epius-maven-remote-cache
- Log4j 2.18.0
  - リポジトリ:
    - satoysample-maven-remote-cache
    - appl-maven-central-remote-cache

これらのリンクを使用して、各バージョンの詳細を確認できます。

@jfrog どのバージョンが高リスクのセキュリティ脆弱性を含んでいますか?

jfrog

以下のLog4jバージョンは、高リスクのセキュリティ脆弱性を含んでいません:

- Log4j 2.23.1
- Log4j 2.20.0
- Log4j 2.18.0

これらのバージョンは、現在の情報に基づいて高リスクの脆弱性が報告されていません。

@jfrog このコンポーネントのオープンソースライセンスは何ですか?

jfrog

Log4j-coreコンポーネントのオープンソースライセンスは、Apache License 2.0です。このライセンスは、広く使用されているオープンソースライセンスであり、商業利用、修正、配布が許可されています。

Filter: Jfrog

[INFO - 11:31:53] Refresh: user is not signed in

[INFO - 11:31:53] Refresh: user is not signed in

# JFrog Platformについて

## SaaS版(AWS、Azure、GCP)

利用量(Storage、Transfer)に応じて価格設定

365×24サポート  
日本国内サポート

SLA 99.9%

ユーザー数、リポジトリ数、保存量無制限

## Selfhosted版

ライセンス数に応じて購入

365×24サポート  
日本国内サポート

HA機能でSLA保証

ユーザー数、リポジトリ数、保存量無制限

**無料トライアル版があるので、  
ぜひ弊社ホームページ上で  
試してみてください**