Kobee

# GMF Assurances streamlines complex deployments and mainframe integration with Kobee to enhance automation and reliability

Founded in 1934, GMF Assurances is one of France's leading mutual insurance companies, serving over 3.6 million policyholders with coverage and financial services.

With around 2,300 employees and a network of 300+ local branches, GMF is part of the Covéa Group, alongside MAAF, MMA and Fidélia, forming one of France's largest mutual insurance collectives.

The Group's mutual structure fosters trust, reliability, and service quality, reflecting its long-standing commitment to supporting members and adapting to the evolving needs of public-sector professionals and private customers.

**Industry:** insurance

**Employees:** 2360

GMF

## A shift toward unified deployment and mainframe integration is essential for GMF's operational resilience

As GMF's applications and environments grew in number and complexity, deployment and release management became increasingly fragmented.

Manual processes relying on file transfers and ad-hoc scripts created inconsistencies between projects and environments.

The IT team sought a professional Application Lifecycle Management (ALM) solution that would:

- Support multiple platforms (Unix, Windows) and version control systems (Subversion, Git).
- Manage deployments across WebSphere, Tomcat, JBoss, Wildfly, and other servers.

- Integrate with different databases (MySQL, Oracle, Postgres)
- Provide secure remote deployments with visibility and traceability
- Offer a lightweight, user-friendly interface available in French

Without a unified system, visibility and control were limited, coordination between teams was difficult, and deployments required significant manual intervention—all increasing operational risk and time to market.

## Kobee helps GMF automate deployment and integrate distributed and mainframe workflows across 400 projects

Following a successful pilot, GMF adopted Kobee (formerly IKAN ALM) to automate its deployment processes across all distributed and mainframe environments. The platform's flexibility allowed GMF to integrate existing ANT scripts, versioning tools, and legacy workflows without disruption.

Kobee now manages hundreds of projects, including: WebSphere, Wildfly web applications, z/Connect mainframe integration projects, WebDev, DB2, and Jahia deployments

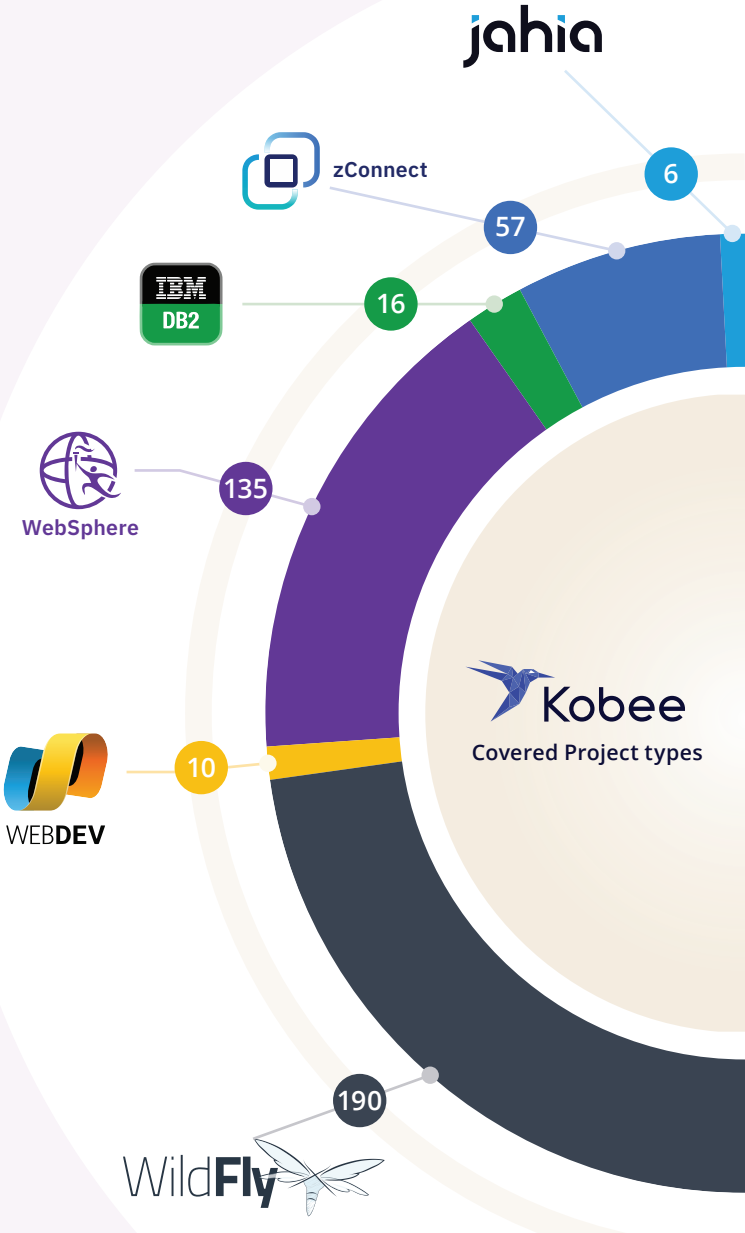
Through IBM ZConnect Designer, GMF models COBOL services and exposes them as REST APIs.

Kobee packages and deploys these services as WAR files, ensuring consistency across development, test, and production environments.

Built-in governance mechanisms enforce approval gates, version control, and audit trails—strengthening compliance with Covéa's internal policies and external regulations.

LDAP authentication, SMTP notifications, and centralized dashboards ensure transparency across all teams.

Kobee's modular Phases concept enables easy customization of workflows using reusable, parameter-driven building blocks. This allows teams to standardize automation while maintaining flexibility per project or environment.



# Kobee transforms GMF's DevOps with lifecycle standardization and mainframe modernization

With Kobee, GMF achieved full standardization and automation of its deployment processes, unifying distributed and mainframe lifecycles under a single platform.

Key results include:

- **Deployment standardization:** All Java and mainframe projects now follow controlled, parameterized lifecycles.
- **Increased automation:** Manual steps were eliminated, reducing deployment errors and saving significant time.
- **Improved traceability:** Every deployment is logged and auditable.
- **Collaboration & compliance:** Common tooling has strengthened cooperation between Dev and Ops teams and reinforced regulatory compliance.
- **Mainframe modernization:** Integration of ZConnect and Kobee simplified API-based interactions and reduced incidents.

GMF's DevOps adoption accelerated significantly—project implementation times were cut in half, and deployments are now faster, safer, and fully traceable.

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under the direction of Dorit A.

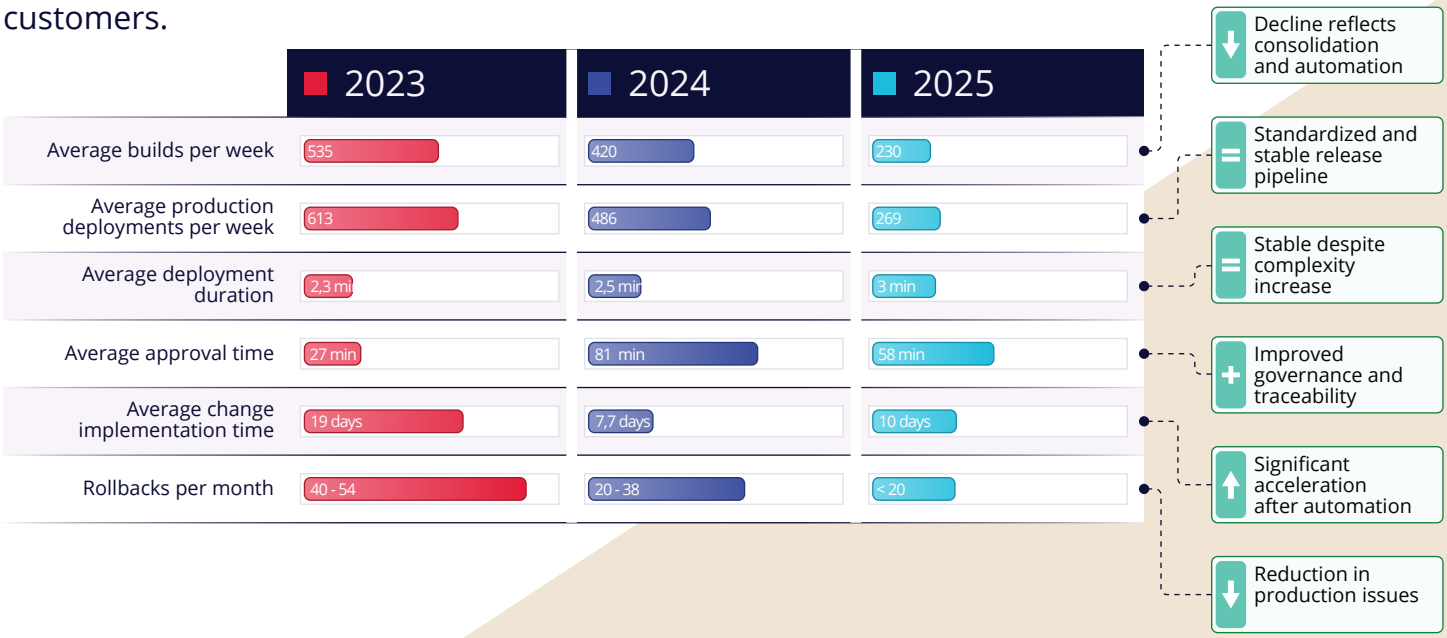
*As part of Covéa, GMF delivers four major releases per year and must ensure stability while meeting strict delivery deadlines.*

*To meet this challenge, we adopted continuous integration and deployment tools: Jenkins and Git for CI, and Kobee for CD to automate our entire pipeline.*

# Kobee in action: a snapshot of metrics evolution at GMF (2023–2025)

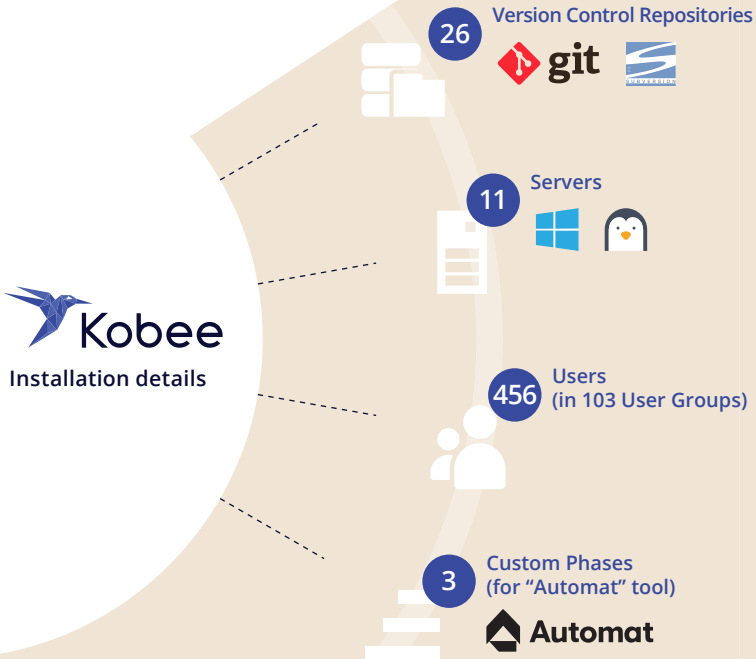
GMF demonstrates a strong commitment to continuous improvement, as reflected in a compelling evolution of key engineering metrics.

Deployment frequency increased significantly, accelerating the delivery of value to customers.




At the same time, error rates declined sharply due to enhanced testing and automation practices, while traceability improved across all environments enabling faster issue resolution and deeper operational insight.

**This snapshot highlights GMF's ongoing journey toward engineering excellence and resilient software delivery.**




## Kobee Implementation Overview

Kobee was deployed across 11 servers (Windows, Linux) and integrated with 26 version control repositories (Git and Subversion). The platform supports 103 user groups totaling 456 users across development, QA, and operations.

Only three custom phases, developed by GMF for the Automat tool, were added to tailor the deployment pipelines to internal workflows.

# Operational Transformation with Kobee

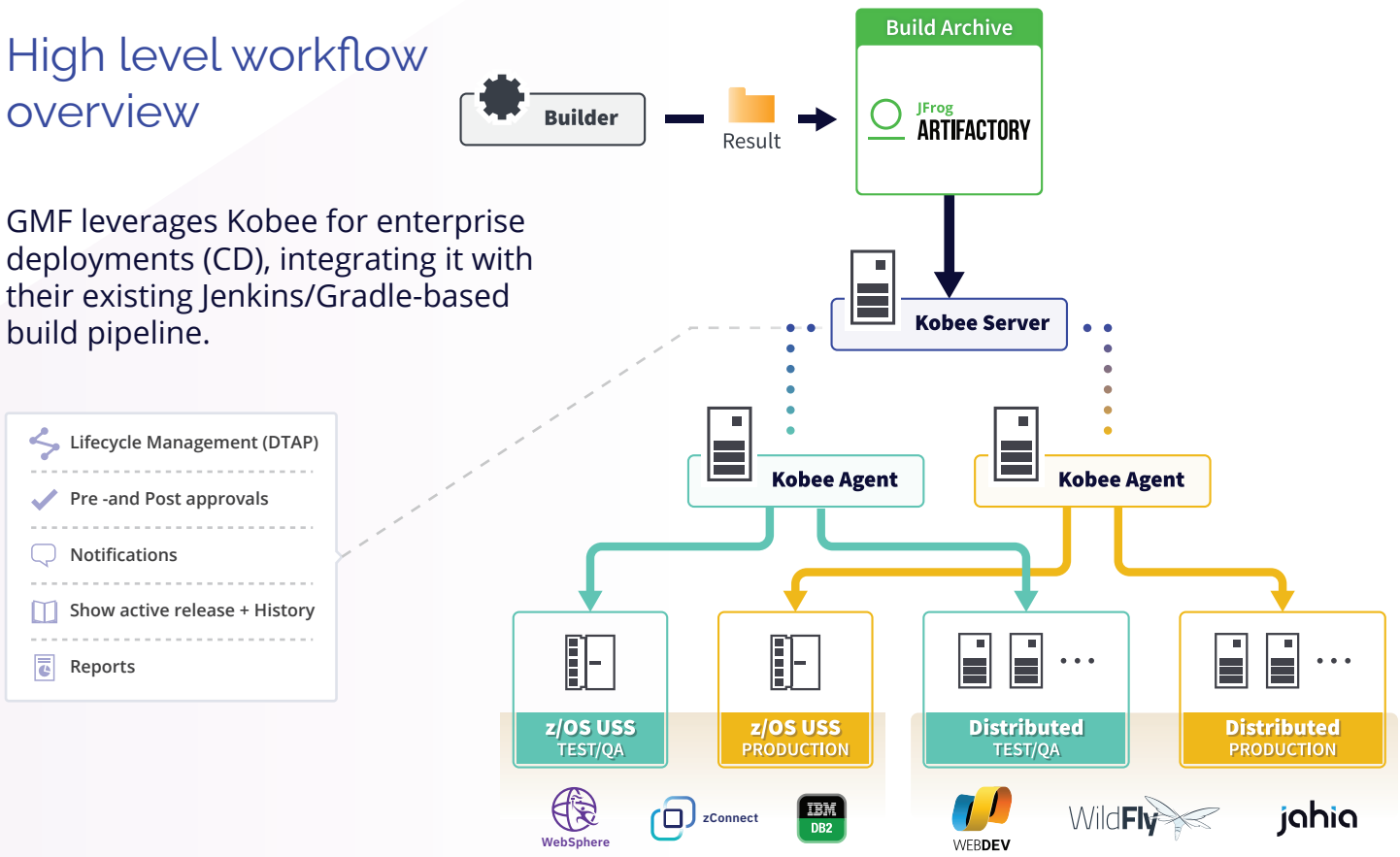
After adopting Kobee, GMF transitioned from manual, fragmented deployment practices to a fully automated, standardized release process.

The table below summarizes key technical improvements achieved through this transformation.

| Before | After |
|---|---|
| Manual deployments using EAR/WAR file transfers. | Automated CD pipelines manage deployments |
| Teams maintained separate scripts, causing inconsistencies | Standardized pipelines ensure uniform and reliable deployments |
| Manual rollbacks were slow and risky | One-click rollback workflows enable fast, controlled recovery |
| Environments were manually configured, leading to mismatches | Centralized configuration keeps environments synchronized |
| Approvals tracked via emails and spreadsheets | Built-in workflows give full traceability and audit visibility |
| Artifacts lacked version control and consistency | Integrated artifact management ensures versioned, traceable builds |
| Limited visibility slowed troubleshooting | Real-time dashboards speed issue detection and resolution |
| Compliance checks required manual effort across tools | Automated audit reports consolidate all release data |
| Deployments relied on senior staff expertise | Automation enables safe, scalable releases by all team members |
| Multi-team releases required manual coordination | Kobee orchestrates dependencies and schedules automatically |

# High level workflow overview

GMF leverages Kobee for enterprise deployments (CD), integrating it with their existing Jenkins/Gradle-based build pipeline.



# A longstanding partnership driving innovation, from Java to mainframe integration

Since 2008, our partnership with GMF has been rooted in trust, reliability, and a shared commitment to innovation. What began as a solution for streamlining Java application deployments has evolved into a strategic collaboration supporting some of the most complex enterprise environments.

Today, GMF relies on our platform not only for managing Java applications but also as a critical component in their use of IBM's z/Connect—enabling seamless integration with mainframe systems.

This journey underscores how adaptable technology and long-term collaboration can drive sustained transformation across decades.

More information:
**www.kobee.io**

*"The entire pipeline automation has strengthened collaboration between developers and operations, creating a smoother and more reliable delivery process.*

*Each build triggers an automatic deployment to test and production environments, significantly reducing production time.*

*Developers gain autonomy, operations gain peace of mind, and users enjoy more frequent and stable deliveries."*

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DISCLAIMER
These improvements reflect an ongoing process involving several teams and partners. Results may vary depending on operational contexts.

The information presented is provided for illustrative purposes and does not constitute a contractual commitment by GMF.

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