CUSTOMER SUCCESS STORY

SEAMLESS MIGRATION TO THE CLOUD

Bendigo and Adelaide Bank

COMPANY

With roots going back to the 1850's, Bendigo and Adelaide Bank is one of Australia's biggest banks, with A$74b ($52B US) in deposits, and more than 4,800 employees helping over 2 million customers achieve their financial goals. Bendigo and Adelaide Bank's network of brands provide a wide range of products and services, including personal and business banking, financial planning, commercial mortgages and unsecured loans, investment products, insurance and superannuation (also known as a retirement fund).

CHALLENGES

Even with the bank's long history, its DevOps Service team insists, "We work as a startup company." The team maintains a very mature DevOps pipeline, and has committed to a four year plan to transform the bank, "to get at least 80% of our applications in the cloud" while maintaining compliance with rigorous banking regulations.

JFrog Artifactory and Xray enable around 500 developers to safely use 15 unique package types (primarily Maven, Ruby Gems, and Docker) across 600+ cloud native applications. Through the advanced DevOps best practices enabled by Artifactory – including remote repositories, buildinfo metadata, and promotion of immutable builds – as well as vulnerability scans by Xray, the bank deploys Kubernetes clusters into production daily.

To modernize, the DevOps Service team needed to migrate their JFrog Platform on-premises HA installation to self-managed K8s clusters in a cloud service provider, with enhanced developer productivity and continued compliance while remaining compliant with regulations.

INDUSTRY

- Retail banking
- Deposits: A$74b (USD $52b)

PROBLEM

- Aging on-premises infrastructure
- Need to modernize operations by transfer to cloud
- Artifactory and Xray are mission-critical
- Nearly 1 Tb of data to transfer

OUTCOMES

- Transferred from on-prem to AWS EKS
- Zero disruption in service
- Accelerated build times (30-40%)
- Lower operating costs
- Positioned for distribution to cloud edge nodes
- Positioned for future multi-cloud operation

SOLUTIONS

- JFrog Artifactory
- JFrog Xray
- JFrog Mission Control, Insight

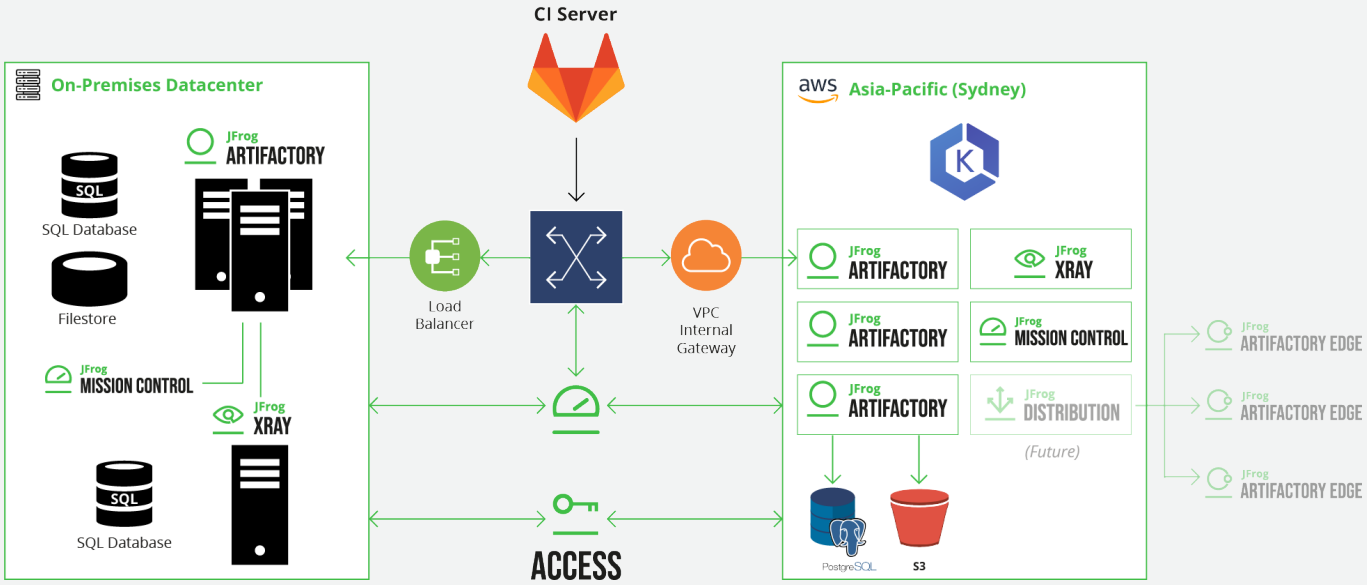
RESULTS

The DevOps Services team chose Amazon Web Services (AWS) EKS to host the Artifactory repository and Xray security. Using the Helm charts from JFrog made it "really easy to set up an instance of Artifactory and Xray in a Kubernetes environment with one command and a few values." Within a single hour, they can spin up a test or production cloud environment for the JFrog Platform.

Federating repositories between the on-prem and AWS installations, the bank was able to duplicate 1TB of accumulated packages, artifacts, and binaries data to the new cloud environment in AWS. This bidirectional mirroring capability in Artifactory, along with user token synchronization through JFrog Access Federation, enabled developer teams to seamlessly transition their repository use to the AWS environment with zero disruptions to daily operation.

Migration of all data and teams to the new AWS environment – including initial tests as well as rigorous internal compliance and governance procedures – was completed within six months.

Now fully in the cloud, production has accelerated, improving build times 30-40 percent and greatly reducing costs. The successful migration has encouraged the DevOps Services team to plan a multi-cloud strategy, mirroring their JFrog Platform on AWS to a Google Cloud environment for greater resilience.



> *Thanks to the replication of repositories, we didn't have any data issues at all between the two instances. They were like for like, even though they were on completely different infrastructure."*
>
> Jay Bieshaar, DevOps Engineer, Bendigo and Adelaide Bank

> *Some people didn't even realize that it's now running on AWS, and not running on-prem anymore."*
>
> Caio Trevisan, DevOps Service Owner, Bendigo and Adelaide Bank