

# Container Registry with Google GCP GKE Kubernetes App

## Overview

The Google GCP GKE Kubernetes App allows Google's GCP users to deploy a JFrog Container Registry with a few keystrokes. This deployment is possible both in GCP's GKE and via [Anthos](#) (for Hybrid/On-Prem) GKE.

## Prerequisites

- An active GCP subscription
- A domain name with a corresponding SSL Certificate (strongly recommended for production)

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## Setting up the JFrog Container Registry Using the Google GCP GKE Kubernetes App

1. Go to the [JFrog Container Registry listing](#).
2. Select **Configure** and select the project to to deploy.
3. Select the cluster you wish to deploy to or create a new one.
4. Enter all required details, and create a new master key.
5. Select **Deploy**.  
The application is deployed
6. Follow the instructions on the right hand side of the App to obtain the public IP.

## Upgrading JFrog Container Registry using the Google GCP GKE Kubernetes App



The upgrade is only supported for 6.x to 6.x and 7.x to 7.x with an expected small downtime window.

Go to the [GKE workloads page](#) and select the Project where the App is deployed. The workloads must be upgraded manually.

1. Find the JFrog Container Registry workload: `<app-name>-artifactory`.
2. Change the YAML from `gcr.io/cloud-marketplace/jfrog/jfrogcr:<existing version>` to `gcr.io/cloud-marketplace/jfrog/jfrogcr:<new version>` in all locations, without changing the annotations.
3. Select the [JFrog Container Registry registry](#) from a list of versions, which may also use a SHA instead of a version tag: `gcr.io/cloud-marketplace/jfrog/jfrogcr@sha256:<sha>`.
4. Change the image to pull directly from JFrog, where images are updated at a more regular interval. Use `'docker.bintray.io/jfrog/artifactory-jcr:<new version>'`
  - a. Scale the deployment down to zero,
  - b. Increase the deployment to 1.
  - c. **Save** the change  
The new version of the mode appears
5. Verify the new version in the bottom left corner of the UI.