

# BMKG: Serving earthquake alert faster with Google Cloud

InfoFabrica provides Managed Services to BMKG to maintain SLA of its alert system with integrated proactive 24/7 support helpdesk. InfoFabrica also provide capacity planning insights, periodic architecture reviews, backup and monitoring to BMKG.

## The challenge

BMKG was looking to improve its earthquake alert information system reliability and also maintain stable performance. Previously, the alert delivery to the public was often delayed and the web application was inaccessible when the disaster happened at rural area. BMKG had issues to cope with the fluctuating trends and was exploring options to transform its information system cost to an OPEX model.

## The solution

InfoFabrica designed and managed the solution for BMKG by using Google Cloud's cost-efficient App Engine for serving web application to the public, durable Google Cloud Storage for synchronizing contents from on-premise earthquake alert, Cloud CDN for fast content delivery to public, and Stackdriver for monitoring & logging of the BMKG environment on Google Cloud, integrated to InfoFabrica NOC.

## The results

BMKG migrated their application and published the content to Google Cloud in just a few days. The earthquake alerting system has been experiencing stable performance with 100% uptime SLA. During disaster events, the alerts can now be processed delivered 10x faster, due to the elastic architecture. BMKG stakeholders are satisfied with the maintained SLA and regular reporting done by InfoFabrica.



About the customer

**Badan Meteorologi Klimatologi dan Geofisika Indonesia**

BMKG is a Non-Departmental Indonesian Government Institution tasked in the fields of Meteorology, Climatology, and Geophysics monitoring in Indonesia.

Industry: Law & Government

Primary project location: ID

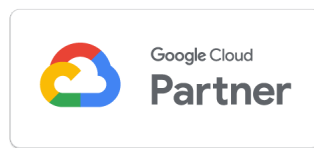


About the partner

**PT. INFOFABRICA CONSULTING INDONESIA**

Established in 2013, InfoFabrica is an IT consulting company specializing in hybrid cloud, virtualization, data protection technology, & AI-modelling.

BMKG transformed its Earthquake alerting system by achieving an efficient, scalable, and reliable application and content delivery system with Google Cloud and InfoFabrica. BMKG now have a cost efficient solution and can ultimately deliver success to their missions: providing accurate and reliable information in field of meteorology, climatology, & geophysics in Indonesia.



## Products

Google Cloud Platform