

Transform Hybris Shop into a containerized GKE setup

freiheit.com transformed Bauhaus' legacy SAP Hybris shop into a containerized setup, running on GKE. The gained insights were used to create a comprehensive overview of the steps needed to move the legacy webshop to the cloud.

The challenge

The project entailed transforming an outdated SAP Hybris application for efficient cloud functionality. Major challenges included untangling complex configurations scattered across code, scripts, and server instances. Crucially, the build process was adapted into Kubernetes-compatible images and we integrated database and search dumps, enabling streamlined, test-ready web shop environments.

The solution

The solution involved creating Docker containers for the web shop's automated CI/CD pipeline. Furthermore, the SAP Hybris application was restructured for Kubernetes, enabling dynamic node adjustments. The database and search components were also incorporated into Kubernetes to enhance workflows. Additionally, the configurations and secrets were restructured for better cloud security.

The result

The outcome resulted in a fully operational web shop instance on GCP Kubernetes cluster with separate deployments for Hybris, database, search, and file sharing. Docker images, ready for integration in a CI/CD pipeline, were prepared. Overall component creation and startup time were significantly improved, optimizing productivity.

A significant achievement of this project was the ability to spawn the full web shop, inclusive of the database and search engine, in mere minutes. The setup provided developers with a platform to effortlessly deploy and test features. Furthermore, it shed light on the potential of a setup for actual production environments, revealing new possibilities for efficiency and expansion.



About Bauhaus AG

BAUHAUS is the specialist for workshop, home and garden. With more than 270 specialist centres in 19 countries today, BAUHAUS has been one of the most successful trading companies in Europe for over 60 years. The foundation stone for this success story was laid in 1960 - with the first specialist centre in Mannheim.

Vertical/horizontal solution:

Retail & Wholesale

Primary project location:

Germany



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