FEATURED PROJECTS

Scalability And Efficiency With Kubernetes And Helm

About

This case study showcases our successful collaboration with a trusted expert in Graph and AI solutions. Our goal was to revamp the client's network management system by migrating from a Docker Compose-based deployment to Kubernetes using Helm charts.



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Project Overview

The migration aimed to enhance scalability, configurability, and portability while leveraging the advantages of Kubernetes technologies.

- Migration to Kubernetes and Helm To modernize the client's network management system, we proposed the adoption of Kubernetes and Helm as the foundation for deployment;
- Comprehensive Helm Chart Design –As a part of the project, we meticulously designed a set of Helm charts to deploy the client's solution. The charts encapsulated each component of the system, including the client's custom services and various open-source services;
- Seamless Migration and Scalability By migrating to Kubernetes and Helm, we empowered the client with the ability to seamlessly scale their network management system. Kubernetes' native scaling capabilities allowed the client to dynamically adjust resource allocations based on workload demands.

Results

Through our collaboration, we modernized the client's network management system using Kubernetes and Helm, resulting in improved scalability, configurability, and portability. This streamlined deployment processes and enhanced system maintainability, establishing us as a reliable partner. Transitioning from Docker Compose to Kubernetes simplified management and enabled efficient scaling.

