

Beta Presentation

Governance of Expense in Kohl's Cloud Operations

The Capstone Experience

Team Kohl's

David Cody Taupo Lingan
Adhyan Negi
Jason Lin
Meredith Heberling
Aixen Dixon
Samay Achar

Department of Computer Science and Engineering
Michigan State University

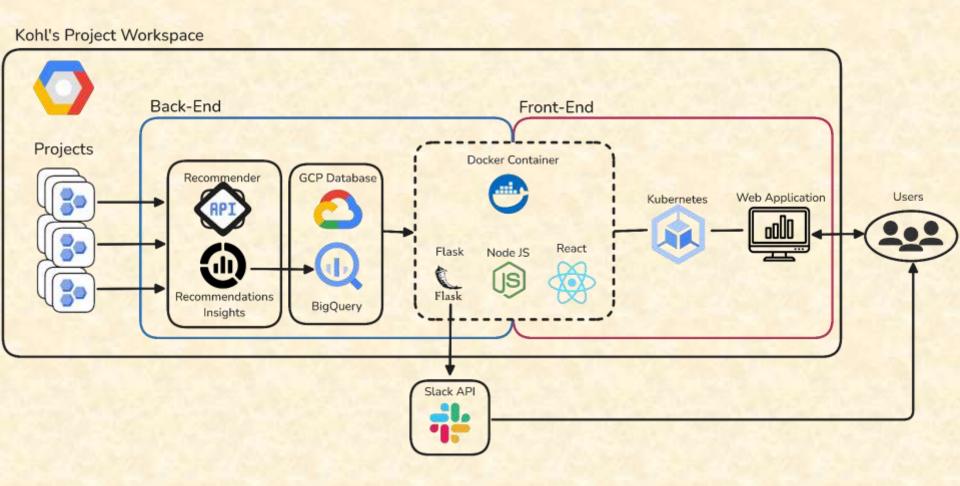


Fall 2024

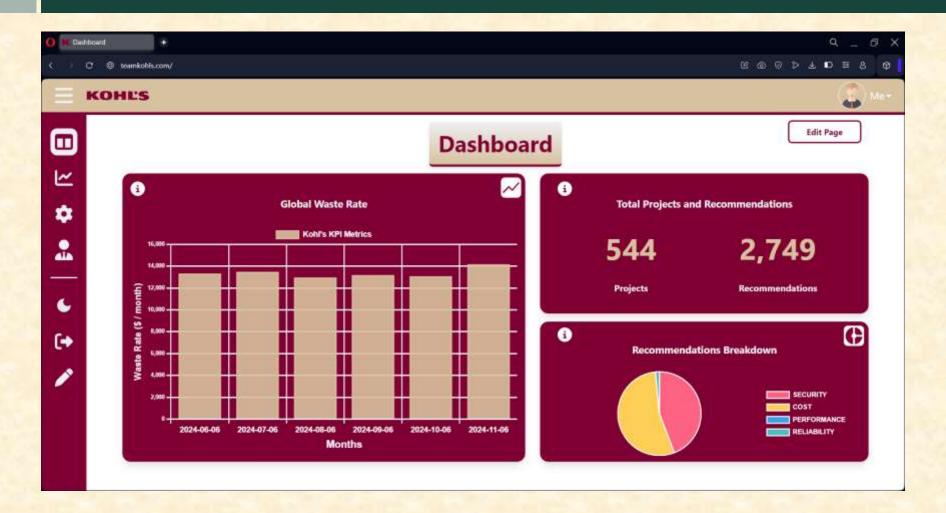
Project Overview

- Sponsor: Kohl's
- Unoptimized GCP spending and usage
- Identify and rectify inefficiencies in Kohl's Cloud Operations (G.E.K.C.O)
- Monitoring & Alerting Platform
 - Analyze cloud expenses and usage on demand across Kohl's project space
 - Send notifications utilizing Slack API

System Architecture



Dashboard

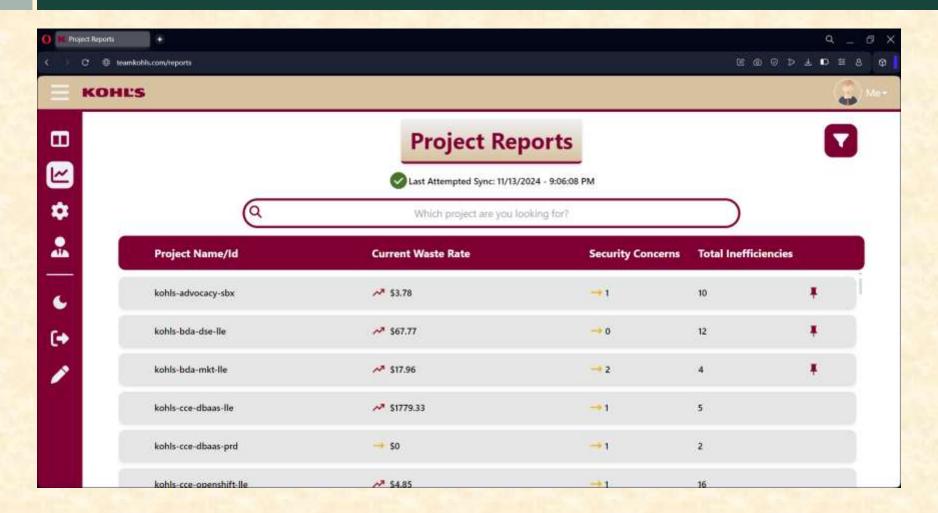




Dashboard in Dark Mode



Project Reports List

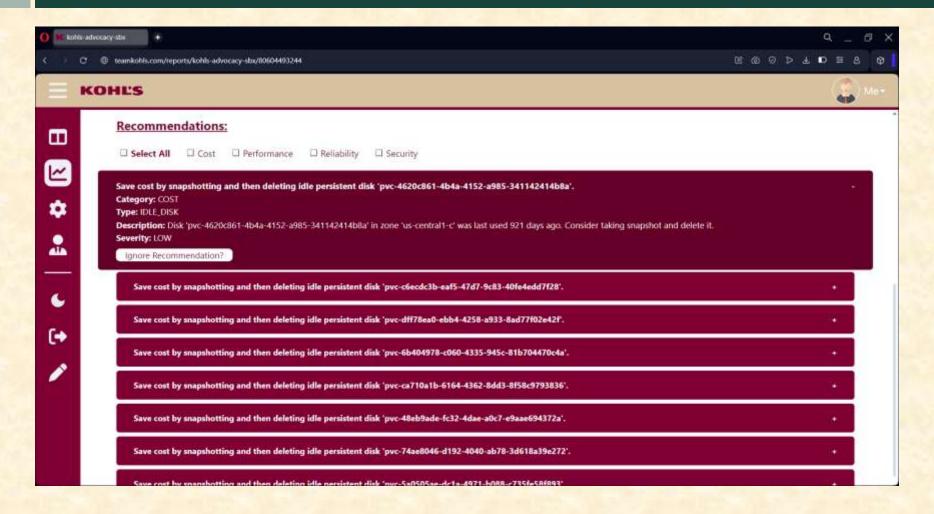


Project Report





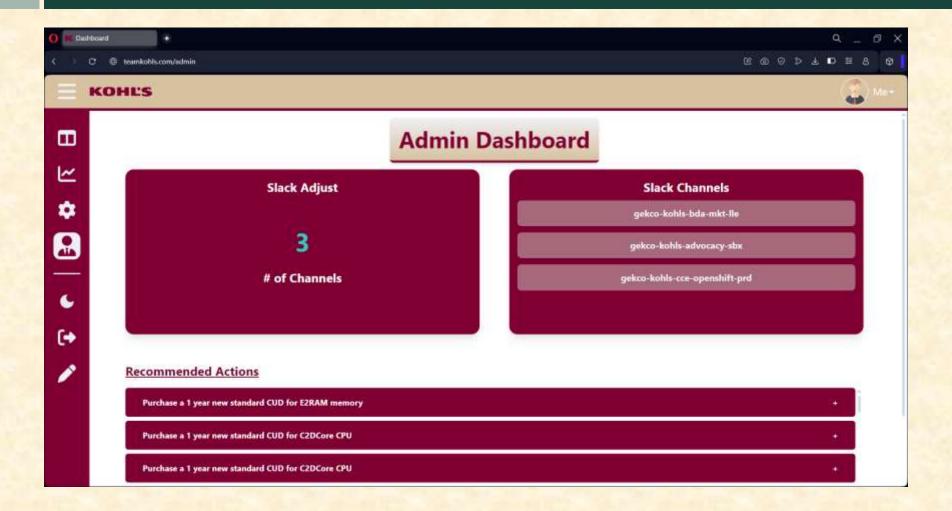
Project Report Recommendations



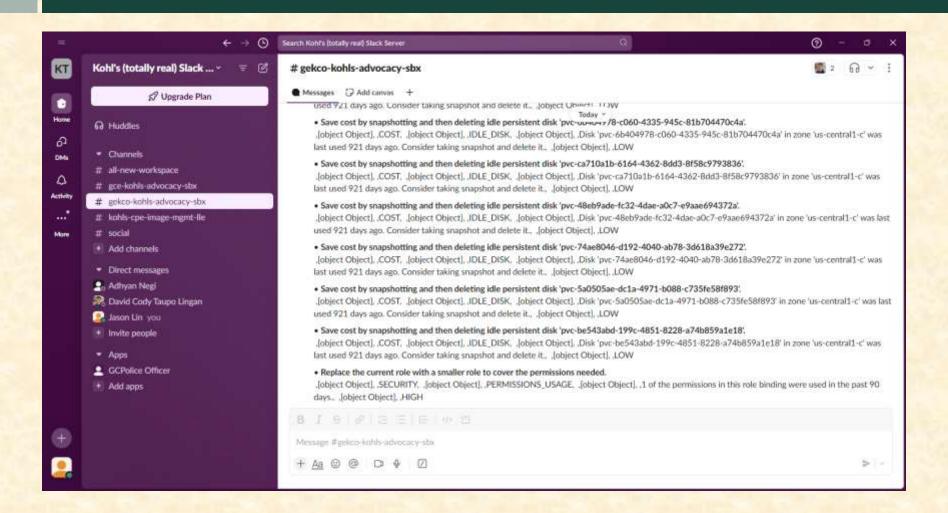
Profile Page



Admin Dashboard



Slack Channel for Specific Project



What's left to do?

- Features
 - Minor UI Tweaks
- Stretch Goals
 - Deploying within Kohl's Space
 - Implementing "Ignore Recommendations" within Kohl's

Questions?

