

Managing Dependencies Across Multiple Clouds

egeⁿ



Managing dependencies across multiple clouds can be complex and require specialized expertise.

This can result in:

Security

Clouds may have different security policies and requirements, making it difficult to protect sensitive data and resources.

Cost

Managing dependencies across multiple clouds can be costly, as it requires investment in infrastructure, tools, and resources to ensure everything works together seamlessly.

Complexity

As cloud environments and applications increase, managing dependencies becomes more challenging, requiring specialized tools and expertise.

Compatibility

Applications and services may have different compatibility requirements or versions, making it hard to ensure that dependencies work properly across all environments.

VendorLock-in

Some cloud providers may use proprietary technologies or services, making migrating dependencies to another cloud or vendor difficult—limiting flexibility and scalability.

The Backstory

We developed a platform application suite that enables a global life sciences company to manage dependencies across multiple clouds. The suite provides tools for:

- Cataloging dependencies.
- Maintaining an inventory of changes.
- Simplifying deployment complexity while eliminating underlying technical details.

The Challenge

To overcome the challenge of managing dependencies among its microservices in a single and multi-cloud environment, a global life science company utilized our expertise in building a suite of applications. This suite enables the company to catalog dependencies, keep track of changes, and abstract deployment complexity. In addition, our solution enables the life sciences organization to manage dependencies at an atomic level within their data lake.

The Solution

For a seamless user experience, the application suite is hosted on Google Cloud. It utilizes Google Kubernetes Engine for its user interface (UI), API, and service runtimes, Google Cloud SQL as its database, Google Pub/Sub for asynchronous communication between components, and Google Cloud Storage for file storage. Moreover, the application suite features an automated system that allows for effortless audits while maintaining robust data security measures required by the healthcare industry.

The Results

Our application suite has proven to be a highly effective solution for managing dependencies and integrating various tools and architecture into a centralized system. This has enabled the life science company to enhance internal communication and significantly increase productivity. With Google Cloud technology, the life sciences company is now better equipped to achieve its mission of enabling healthcare professionals to deliver exceptional patient outcomes.

The logo for egen, featuring the word "egen" in a white, lowercase, sans-serif font on a dark blue square background. The square is positioned on the left side of a larger, light blue, angular shape that resembles a stylized 'e' or a modern architectural element. The entire graphic is set against a yellow background.

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