

Food Services

Elevating Connectivity and Seamless Operations, Gloo Mesh and Gloo Gateway Empower Technical Innovation for a Unified and Efficient Network



Industry

Food Services



Company Size

35,000 employees



Location

United Kingdom

A food services company is the UK's leading pizza brand, as well as a major player in the Republic of Ireland, with more than 1,200 stores. In 2022, this company sold more than 106 million freshly handcrafted pizzas across the UK and Republic of Ireland. They are relentless in the pursuit of using technology to help “make our customers' lives that little bit easier.”

A tireless focus on innovation drives continual improvements and ensures customers are always at the heart of all great new products the company develops. They aim to innovate and consistently deliver a better food experience, while bringing people together to share in their love for the company.

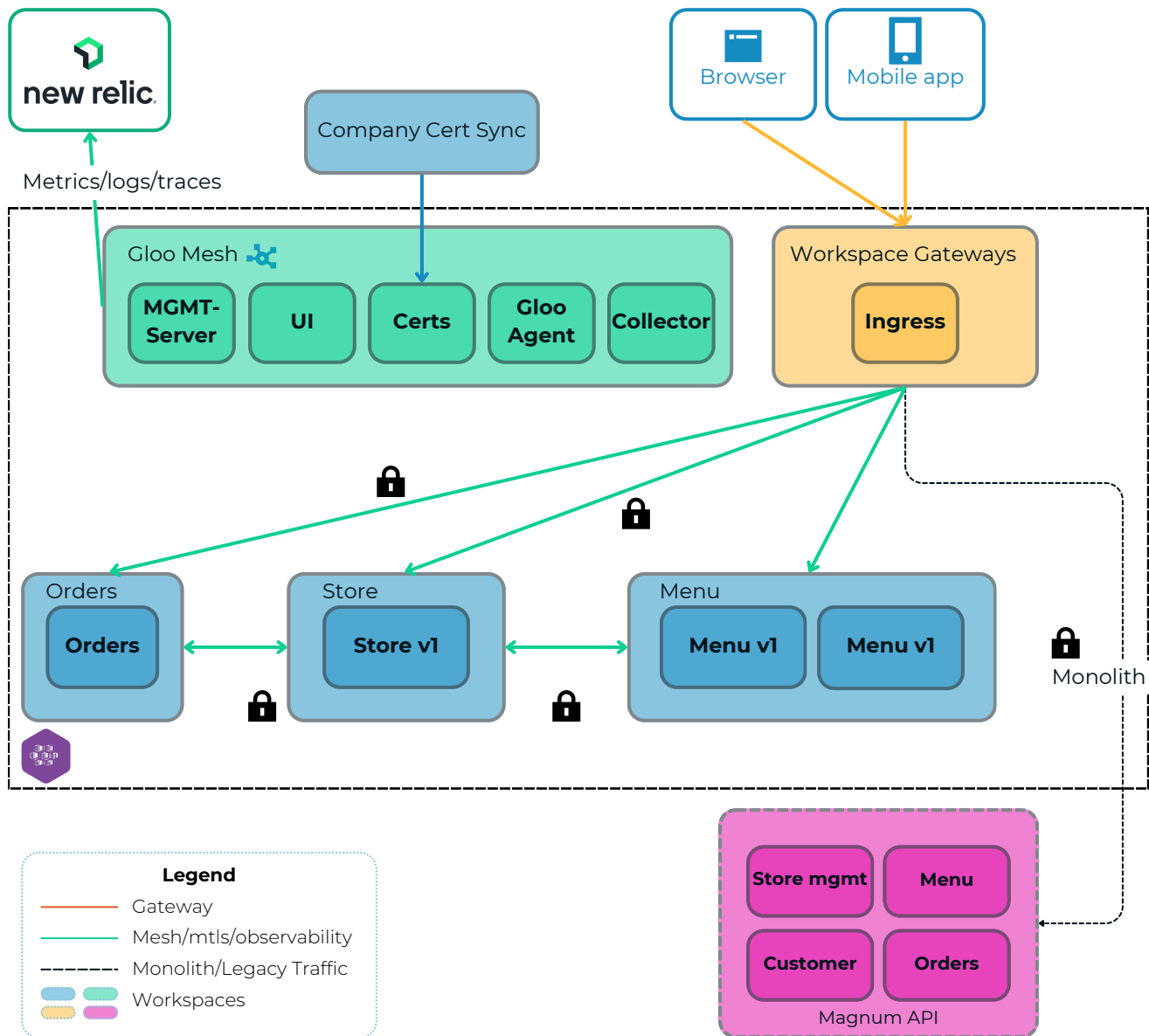
Business Objective

The technical goal of this company is to make use of a headless API architecture, decoupling the frontend and the backend layers of the system. For this, they've selected a company called Commercetools, which provides commerce capabilities off of the headless API setup while supplying the ability to code and integrate more competitively.

One of the challenges the company faces going into the migration centers around how the existing UI operates by calling an API from the monolithic application. They are starting from a solution that is not very agile – it is hard to implement resiliency and difficult to monitor. Moving forward, they have prioritized the move to a more agile environment that is based on microservices while maintaining the connection to key legacy systems for operations.

Solution

As our customer moves from the current monolithic application to a microservices environment, they'll modernize using a strangler pattern. By using blue/green deployments, microservices will substitute key features of the monolithic application while still connecting to commerce tools, allowing for a smooth transition to a cloud-based model. The technology foundation includes Microsoft Azure for the front end, Akamai for traffic routing, and Terraform for IaC with cross-cluster, manual failover for disaster recovery. A critical component for navigating the migration is the ability to successfully switch traffic across both the monolith and this microservice layer to reduce customer interruptions.



Why Choose Solo.io?

After a rigorous selection process, our customer selected Solo.io due to the innovative and high-performing platform, demonstration of the developer's mindset, and the very customer-oriented engagement. The Solo.io vision around a unified platform and a future-proof solution offered them a path forward for the evolution of their cloud-native solution. Our customer is also benefiting from the support teams that have been very responsive to their inquiries.

The implementation includes four unique single cluster Gloo environments: Live, QA, Test, and Development.

With Gloo Gateway, the customer is able to more easily support a gradual migration of the legacy magnum services to microservices. Managing this transition with minimal downtime or impact to the customer experience is critical. Gloo Mesh is also playing a significant role in switching traffic across Magnum plus the microservices for a period of time.

The observability in Gloo Gateway, which is automatically added for microservices that have been migrated, is key to monitoring the performance during the transition. Using workspaces is also an important feature to manage the different teams (Store, Menu, Customer and Orders), allowing for segmentation of the work that is being done to support the application deployments.



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About Solo.io

Solo.io, the leading application networking company, delivers a service mesh and API platform for Kubernetes, zero trust, and Microservices. The components of Gloo Gateway and Gloo Mesh enable enterprise companies to rapidly adopt microservice applications as part of their cloud journey and digital transformation. Solo.io delivers open source solutions, and is a community leader in building the technologies of the future.

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