

Google Cloud Service Recommendation Report

Recommended Service: Google Cloud Run

Justification:

- **For your Stateless Containerized (Docker) Application:** Cloud Run is specifically designed to run stateless containers, making it a perfect match for your application architecture. You can deploy your Docker images directly to the service.
- **To Meet Your Managed Service Preference:** As a fully managed platform, Cloud Run abstracts away all infrastructure management. You don't need to worry about provisioning servers, managing clusters, or patching operating systems. This aligns perfectly with your preference for a managed, PaaS-like experience.
- **To Achieve Your Goal of Minimizing Cost with Low Traffic:** This is where Cloud Run truly excels for your use case. Its serverless nature means it automatically scales up to handle requests and, most importantly, **scales down to zero** when there is no traffic. For a low-traffic application, this scale-to-zero capability is the most effective way to minimize costs, as you only pay for the exact resources consumed while handling requests.

Summary:

Given your need to run a **stateless Docker container** in a **managed environment** with **low traffic** and a primary goal to **minimize cost**, **Google Cloud Run** is the ideal solution. It eliminates infrastructure overhead and its pay-per-use model with scale-to-zero ensures you are not paying for idle resources.