

The full version of the Challenge Statement will be revealed on 9 Sep Sat morning.  
It will contain functional specifications, data schemas, and other requirements.

# Challenge Statement – An Abridged Version

## Challenge Statement

GIC's complements its investment strategy by investing in funds from a number of external providers (eg. Blackrock, Bridgewater). By investing in these funds and related products, asset managers can gain broad diversification across alpha sources, and access to risk drivers with low correlations to core holdings. Funds can also provide exposure to differentiated strategies or new geographies. While this allows GIC to tap onto the expertise of institutional firms world-wide, it also increases the complexity of how GIC manages risk, measure performance and comply with cross-border regulations. Details of the investment positions are held with the external providers, but they can provide these investment details to GIC as CSV data files, or perhaps through API end-points.

As such, GIC needs your team to develop a platform to ingest these investment details and provide richer “look-through” analytics for the underlying securities held in these funds. The platform will also need to standardize information from multiple source parties into GIC's common taxonomy, in order to bring meaningful analytics to investment risk professionals.

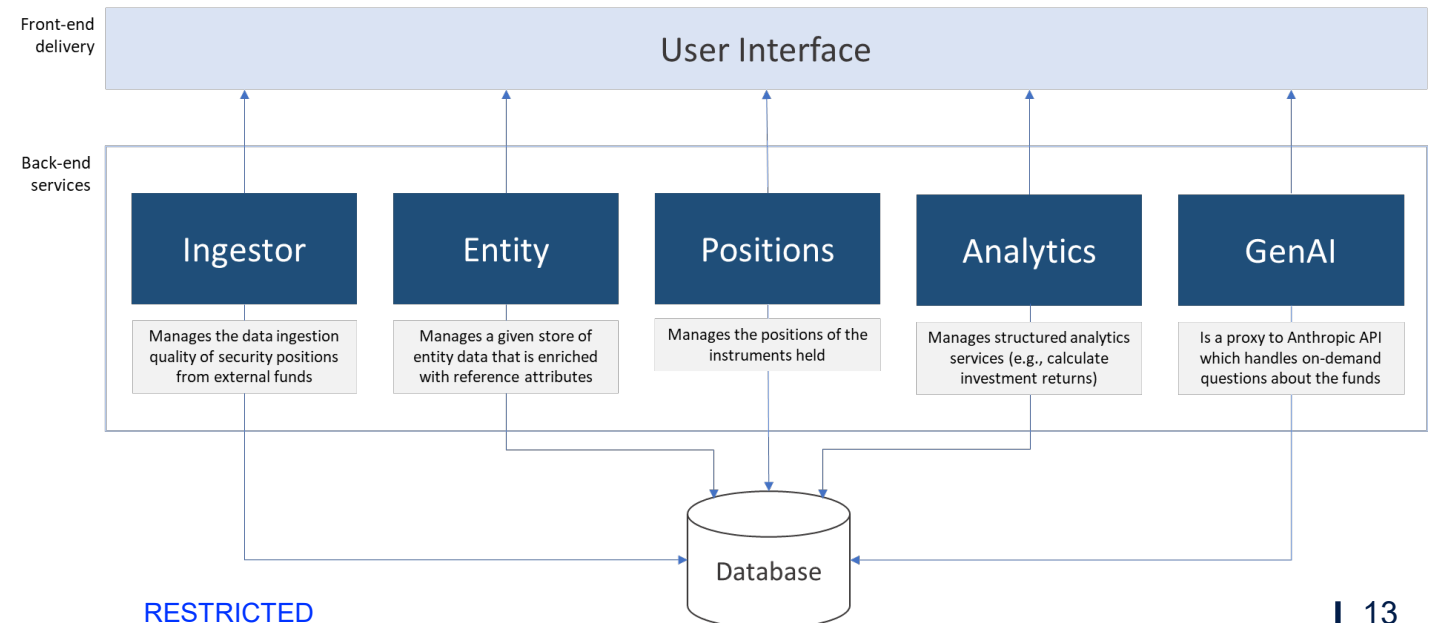
**Your team of software developers believe your team can achieve this with modern web technologies and would love to develop a well-engineered solution to achieve new look-through capabilities for senior management.**

## Technology Overview

Below is a simplified set of building blocks that will provide a basic platform that will help manage the look-through processes.

The platform should consist of five core modules: Ingestor, Entity, Positions, Analytics, GenerativeAI. Each of these modules may have a corresponding UI component and interacts with the database. Your team is free to decide how to manage the development efforts and is expected to integrate the final work as a team. The outcome should be clearly viewed as a single application.

Your team is free to code in any language(s), use any database, or web framework.



# Challenge Statement – The Essentials

