

FinSweeper

Team Synapse

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Problem Statement

- Growing financial market. Impacted by news.
- Investors need advice as well as keep up to date with the latest news and events
- Multiple news channels and websites. Difficult to track them all.
- Time is money. Lost opportunities can cost fortunes.



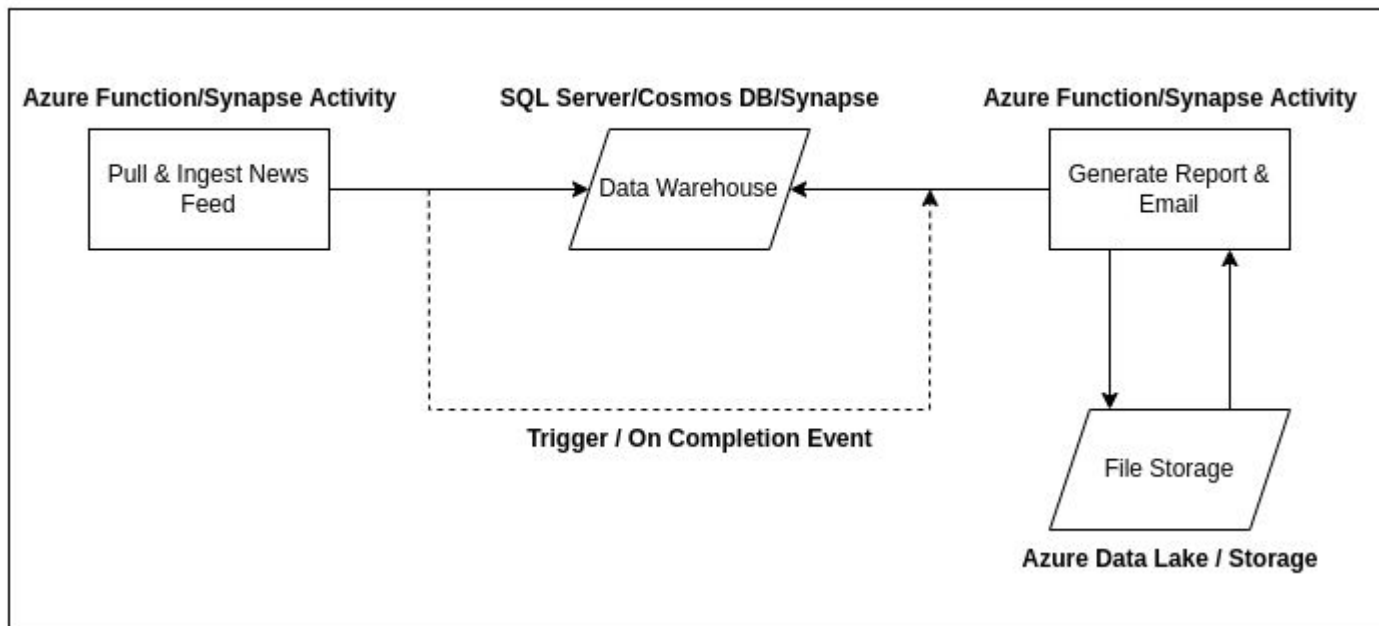
Solution - FinSweeper

- A STITCH IN TIME SAVES NINE
- Aggregate corporate news from multiple outlets and channels in near real-time.
- Filter particular keywords (such as dividends, bonus, merger, etc.) of interest for subscribers.
- Send news feed in regular intervals of time or as per their custom schedule.



Architecture

Scheduled Pipeline





Scalability

- Processing using **Azure Cloud Functions** or **Synapse Activity** for elasticity and easy scalability
- Using **Azure Synapse Analytics** supporting **MPP** (Massively Parallel Processing) for fast processing and scalability
- Using cloud storage like **Azure Blob Storage** or **ADLS** for scalable long-term storage
- Architecture supports adding new financial markets and news feeds easily