



- **Clients:** Sends requests to the Aggregation Server.
 - **Aggregation Server:**
 - **API Layer:** Handles incoming HTTP requests.
 - **Aggregation Engine:** Fetches and aggregates data from Content Servers.
 - **Consistency Manager:** Manages the consistency of data across replicas using Lamport's algorithm.
 - **Data Store:** Stores the aggregated data.
 - **Thread Management Module:** Ensures safe multi-threaded interactions.
- **Content Servers:** Provides raw data to the Aggregation Server.