



There are 3 main components:

- **Content server**:
  - This server will have a local file(CS local file) and response/PUT data to aggregation server.
- **Aggregation server**:
  - There will be main aggregation server as loadbalancer for handling fault tolerant.
  - Main Aggregation server is responsible to receive GET request from client, direct to Aggregation server, retrieve response and response weather data. It also received PUT request from Content server and handle saving data.
  - Main Aggregation server is about to handle connections between aggregation server and content server for scalability.
  - There will be the a mechanism to handle the consistency of local file and lamport clock between main aggregation and each aggregation server.
  - The load balancer between aggregation server and client should handle the case when primary server is down
- **Client**:
  - Client will send request to Aggregation server to get data with stationID or not.
  - there is a mechanism to handle timeout request if client could not receive response after an amount of time.

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