



**Aggregation Server**

- Processes HTTP PUT requests from the content server
- Master Node
- Ensures data consistency across server replicas

**CLIENT**

- Sends HTTP GET requests for weather data
- Receives data from server replicas through load balancer

**Content Server**

- Sends HTTP PUT requests with new weather data
- Uploads the JSON formatted data rto the Aggregation server

**Load Balancer**

- Distributes the client requests (HTTP GET) across Server Replicas
- Ensures blanced load and high availability

**Server Replicas**

- Handles HTTP GET requests from clients
- Synchronized with the Aggregation server to maintain data consistency
- Client request is served throuygh load balancer