



Content Server Actions:

- Each Content Server will read the relevant `input_?.txt` file from the local file system and convert it into an Atom Feed XML document.
- Each Content Server will then send the Atom Feed XML document to the Atom Server through the PUT operation.
- Performs Lamport clock algorithm.

Atom Server Actions:

- Aggregate all the Atom Feed XML documents received from all the Content Servers into an `Aggregate.xml` file.
- **HeartBeat Operation:** every 12 seconds, the Content Server will send a heartbeat message to the Atom Server to signify that it is still alive.
- if any one of the Content Server stops sending a heartbeat message to the Atom Server, remove the relevant Content Server Atom Feed XML.
- else do nothing.
- Performs Lamport clock algorithm.

Client Actions:

- Each Client will send a GET request to the Atom Server to get the aggregated.xml back.
- Performs Lamport clock algorithm.