Synchronization In The Cloud

- Cloud airline reservation system

- Server A receives a client request to purchase last ticket on flight ABC 123.

- Server A timestamps purchase using local clock 9h:15m:32.45s, and logs it. Replies ok to client.

- That was the last seat. Server A sends message to Server B saying "flight full."

- B enters "Flight ABC 123 full" + its own local clock value (which reads 9h:10m:10.11s) into its log.

- Server C queries A's and B's logs. Is confused that a client purchased a ticket at A after the flight became full at B.

- This may lead to further incorrect actions by C