

Obvious First Solution

- Synchronize clocks of all processes
- Ask all processes to record their states at known time t
- Problems?
 - Time synchronization always has error
 - Your bank might inform you, “We lost the state of our distributed cluster due to a 1 ms clock skew in our snapshot algorithm.”
 - Also, does not record the state of messages in the channels
- Again: synchronization not required – causality is enough!