

Distributed Systems -2





What led to the discovery of Distributed System ?

- Monopoly of some specific firms (like Oracle) over the legacy database systems.
- Heavy license fees





What led to failure of Distributed system in the initial phase ?

Reasons for failure were identified as:

- Low cost commodity hardwares
- Network failure (highly probable event)





What was the fix offered for this ?

- Identified solution was replication of data across multiple machines for seamless storage and computation as per requirement.





Problems with replication of data

- Consistency issues

Problem of stale data during the Δt time (till the changes propagate in the system).

The system, though, becomes “eventually consistent”





▶ THANK YOU ◀