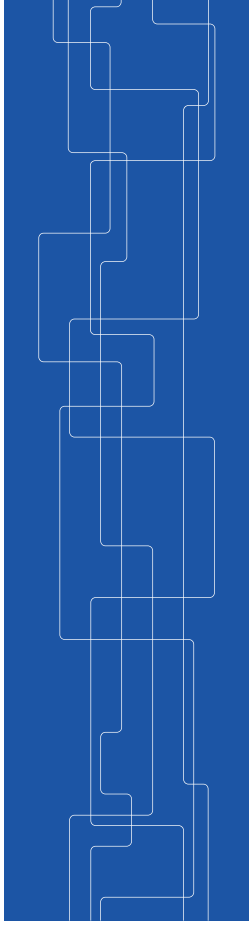




Introduction

Vladimir Vlassov and Johan Montelius



What?

What is a **distributed system**?

- Give me some examples.
- Give me a definition.

"...one in which hardware or software components located at networked computers communicate and coordinate their actions only by message passing"



Why?

Why do we build distributed systems?

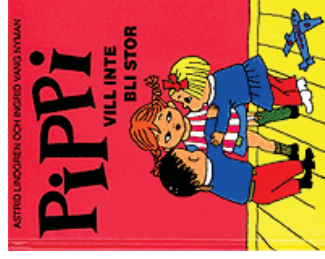


Different from..





Concurrency

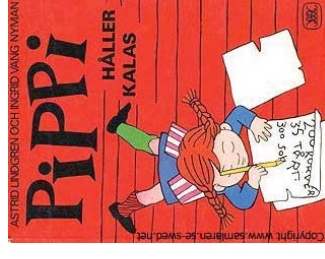


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Communication



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Messages



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Time



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Security



Coordination



Failure



Handle the problems

- How can we solve
 - communication,
 - security and,
 - coordination,
- ... in a world with failure and no notion of time?
- Can we hide all problems?