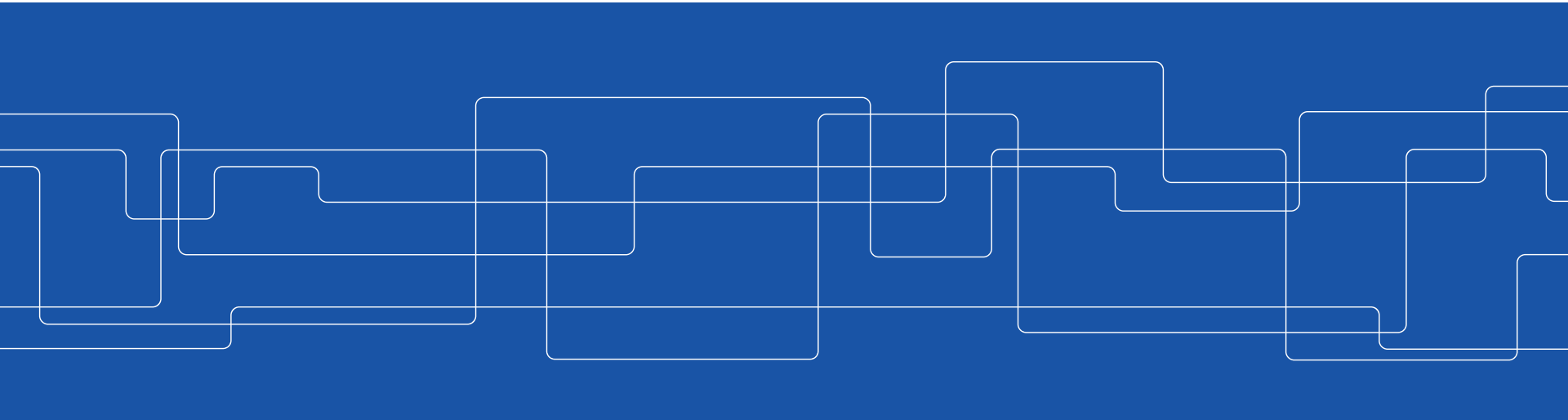




Introduction

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”



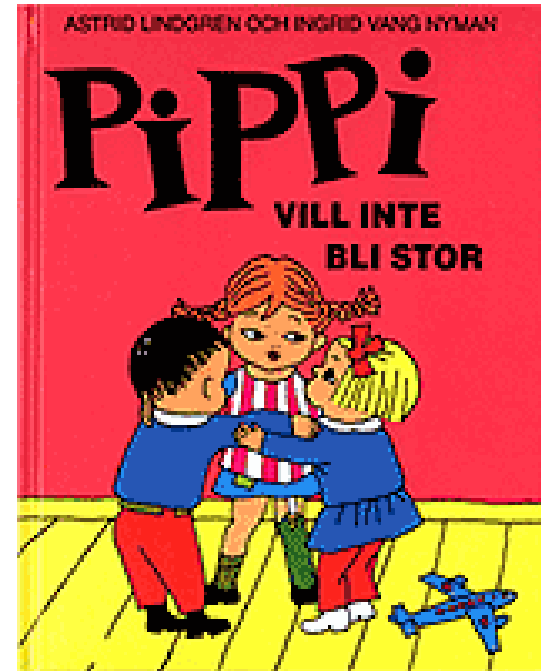
Why?

Why do we build distributed systems?

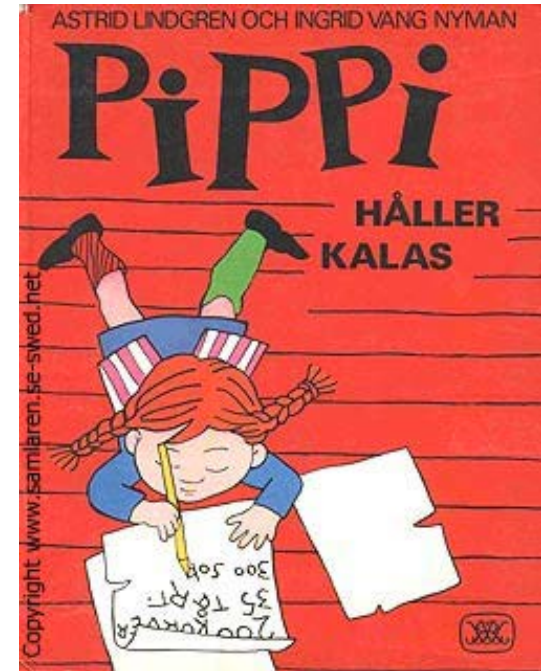
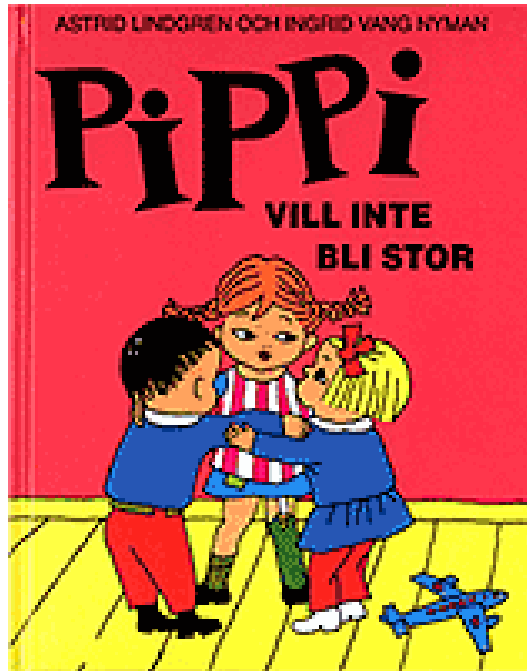
Different from..



Concurrency



Communication



Messages



Time



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?