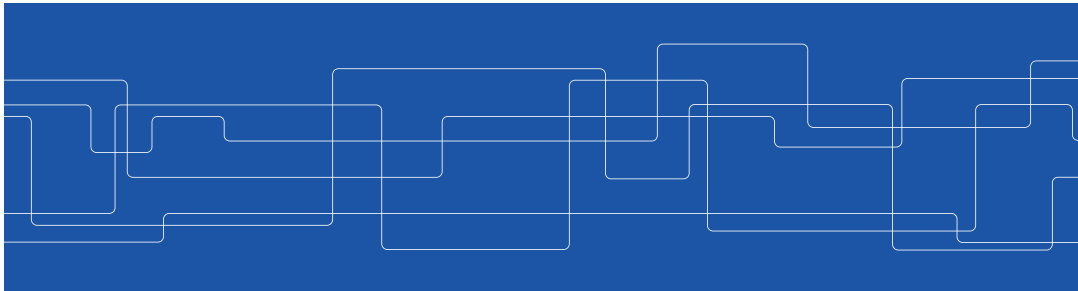




# Introduction

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..

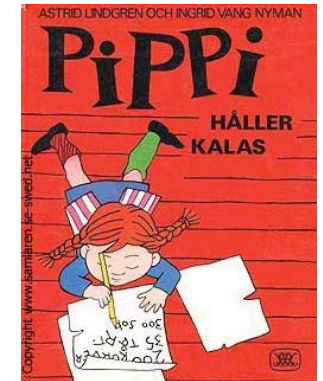




# Concurrency



# 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?