The Akka Actor System
concurrent programming, but cool

XMas Workshop @ SDC:WOB

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„Everything is an actor!"

- actor = computational entity which receives messages and reacts to them by

  - sending further messages to other actors,

  - creating new actors,

  - performing local changes to adjust own behavior.

- result: message-driven model which supports concurrency

Important commands
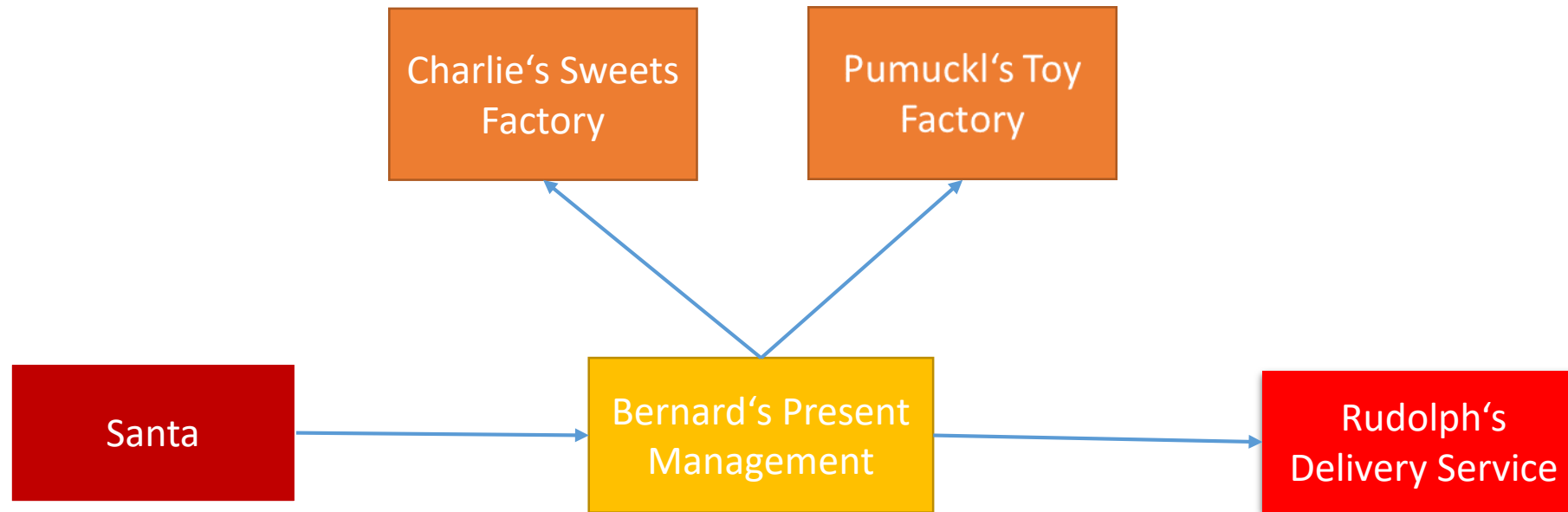
- Creating an actor:
  spawn(Santa(), context)

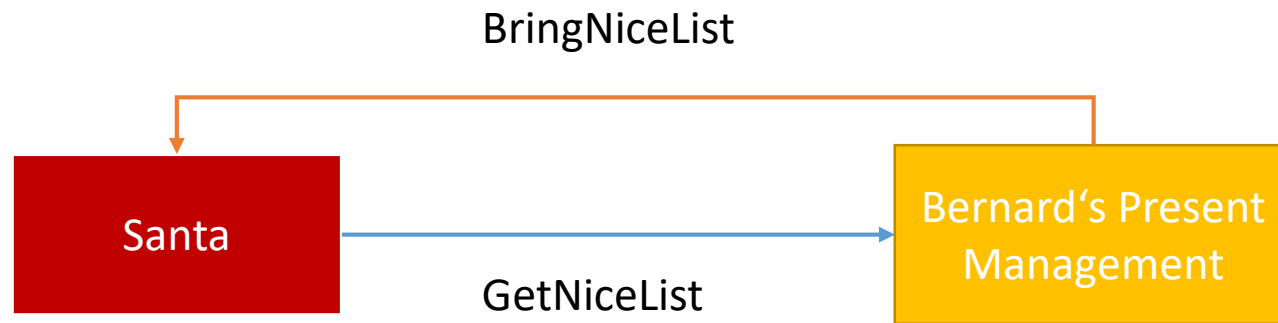- Sending a message:
  Santa ! OrderPresentsMessage(10)

- Sending a message and waiting for a reply:
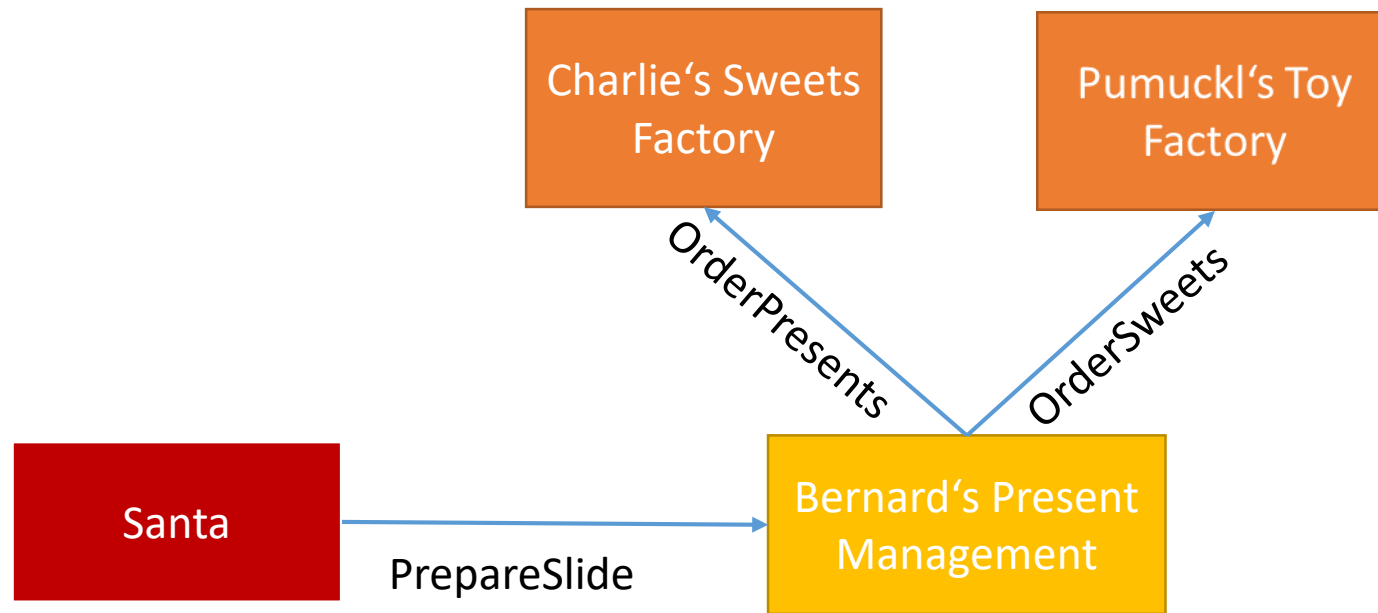 *val future =Santa ? OrderPresentsMessage(10)*

Example: Santa's Christmas Shop

Step 1: Get Nice-List From Bernard's

BringNiceList

| Santa | → | Bernard's Present Management |

GetNiceList

Step 2: Order Presents and Sweets

Step 3: Load the slide