

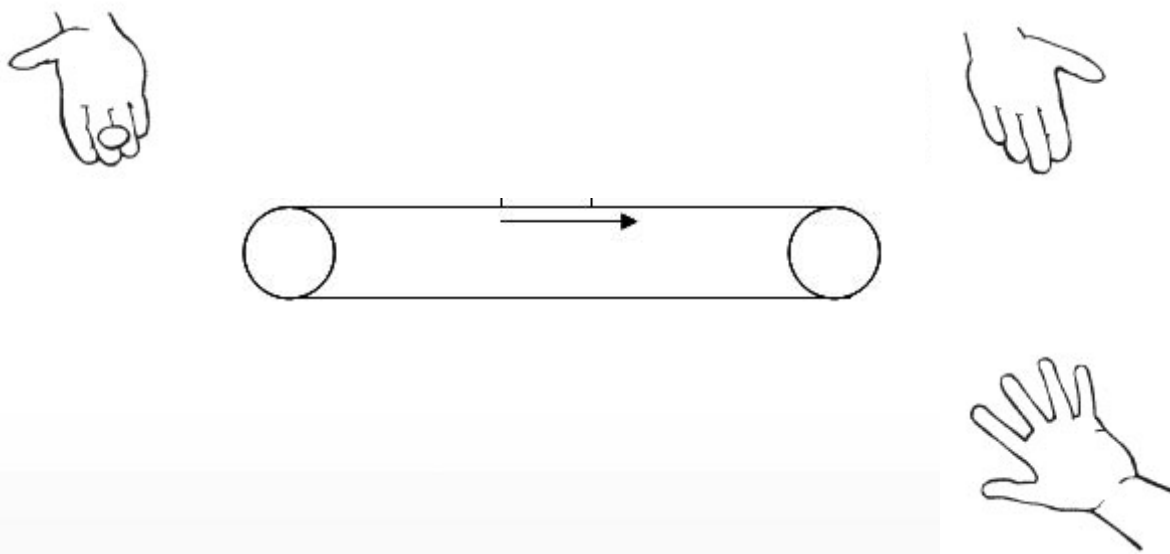
**SACC** 2014中国系统架构师大会  
SYSTEM ARCHITECT CONFERENCE CHINA 2014

发现架构之美

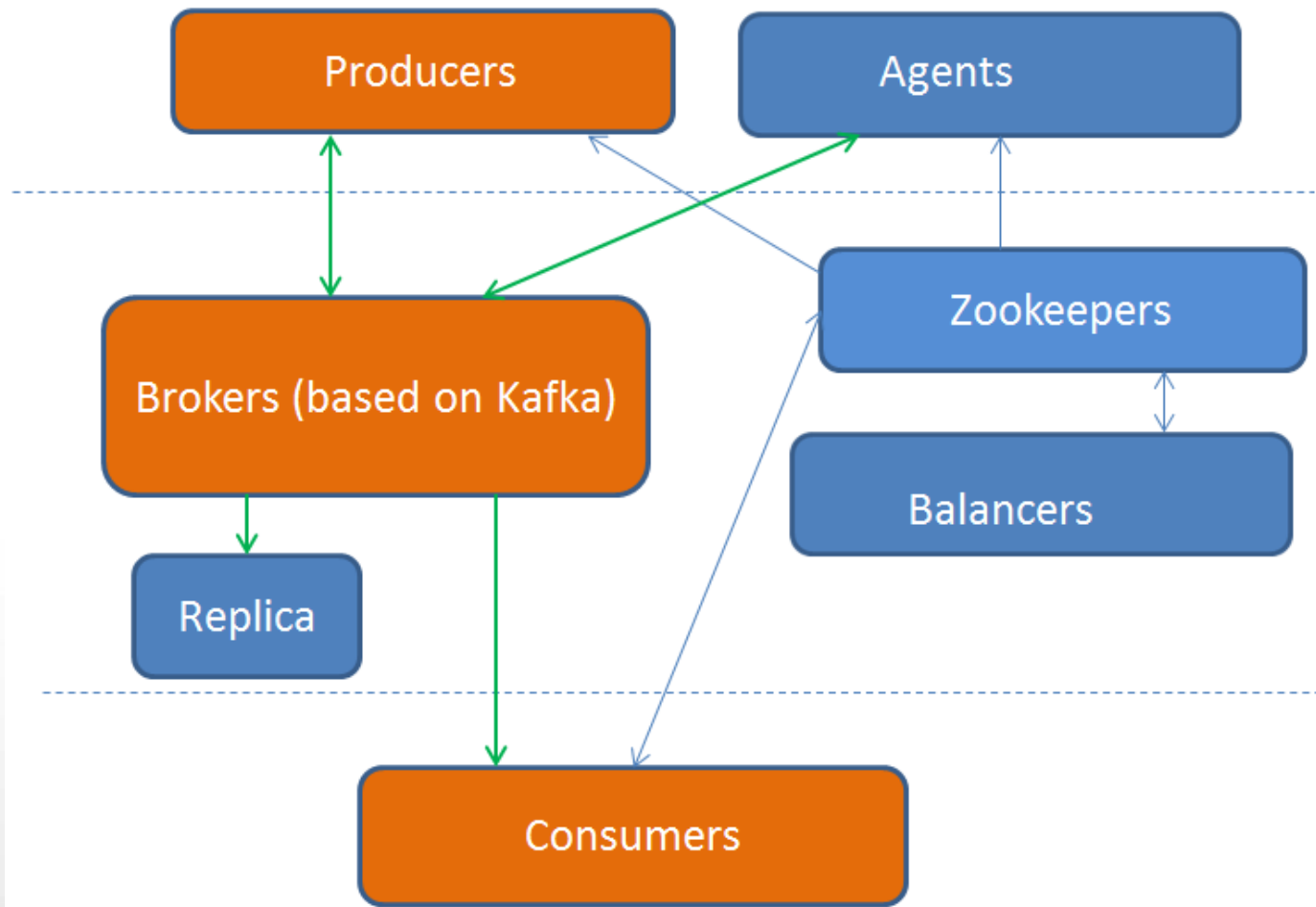
# QBus

Qihoo 360 – Infrastructure Team

# Messaging system



# bird-view



# features

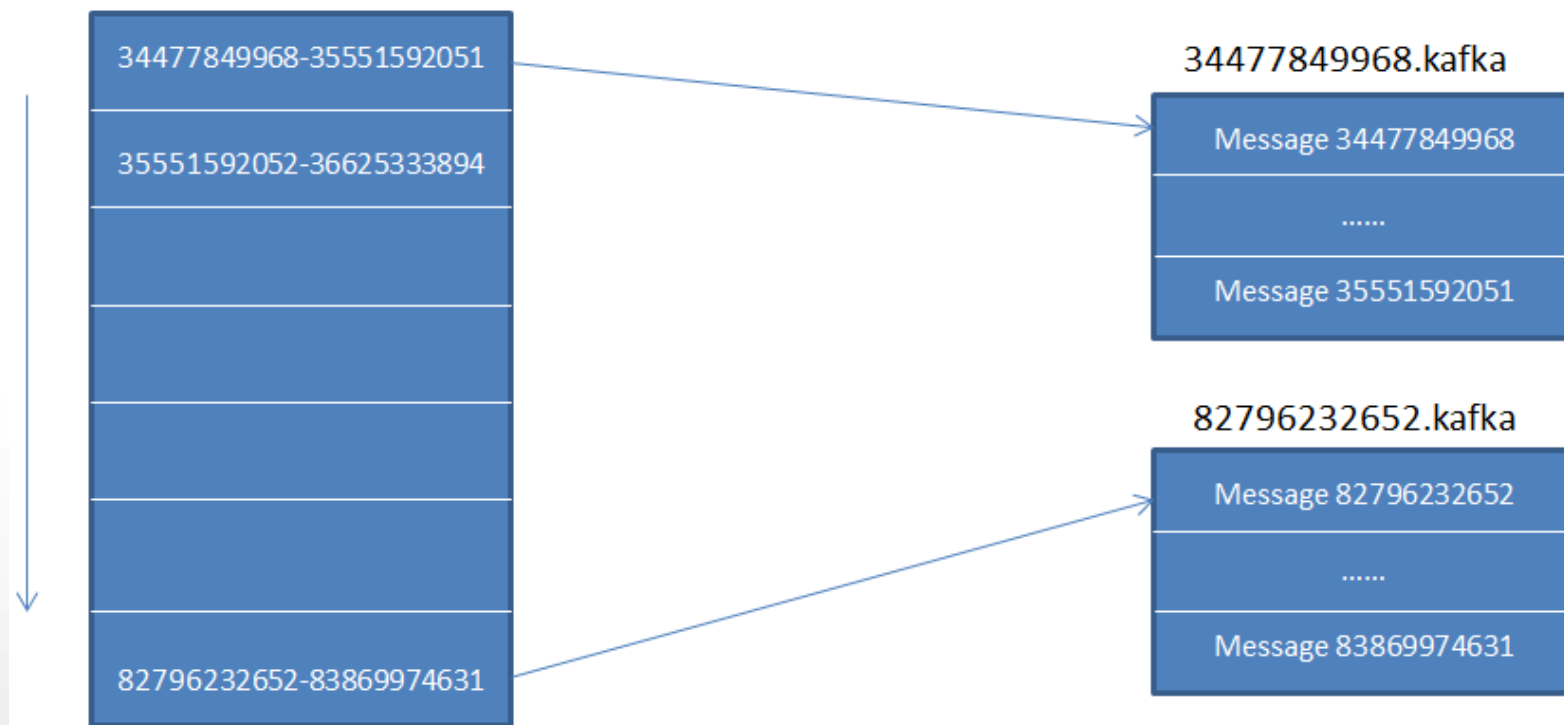
- high-reliability
- high-throughput
- .....

# high-reliability

-- Broker

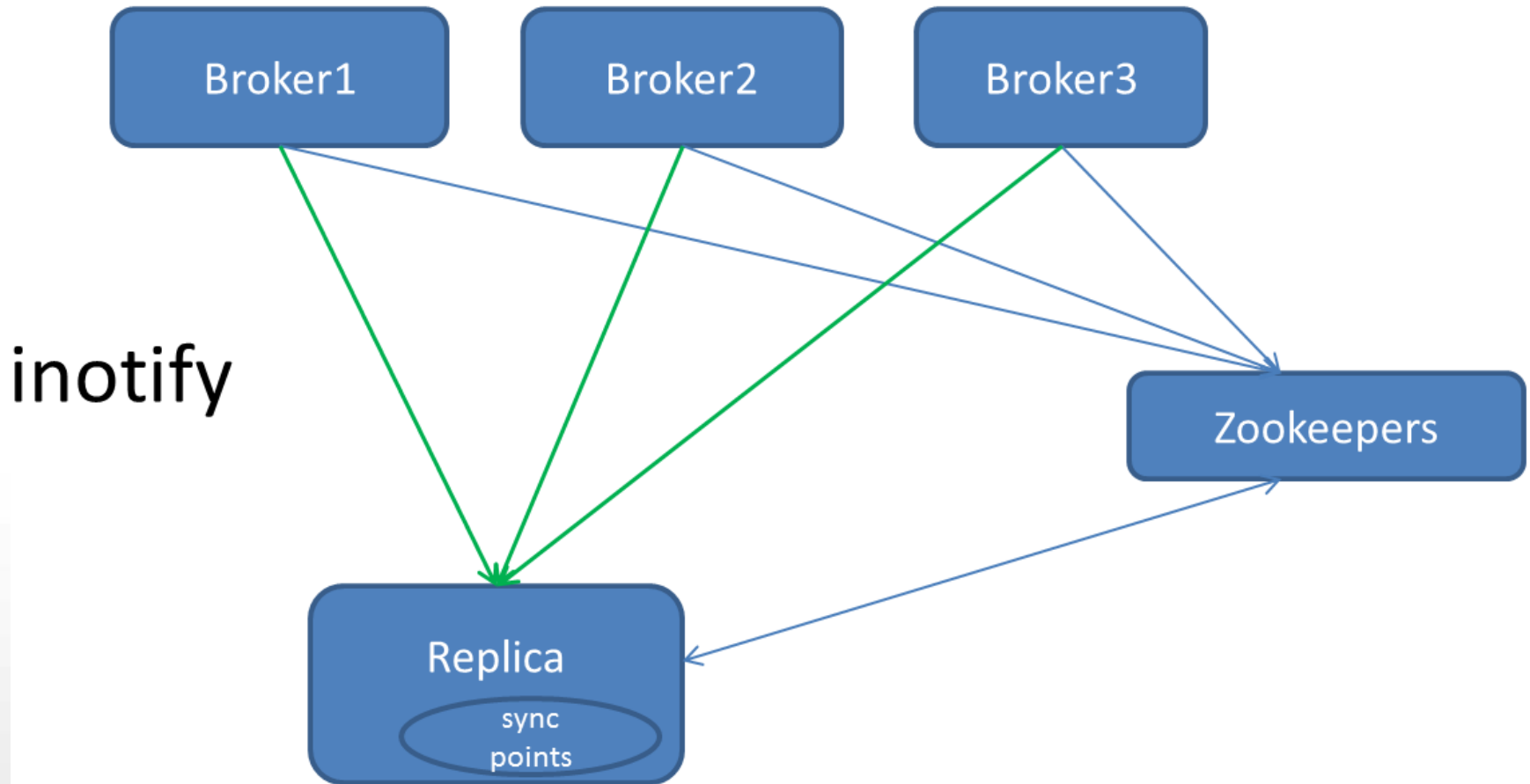
a Partition a directory

a Partition N files



# high-reliability

-- Replica

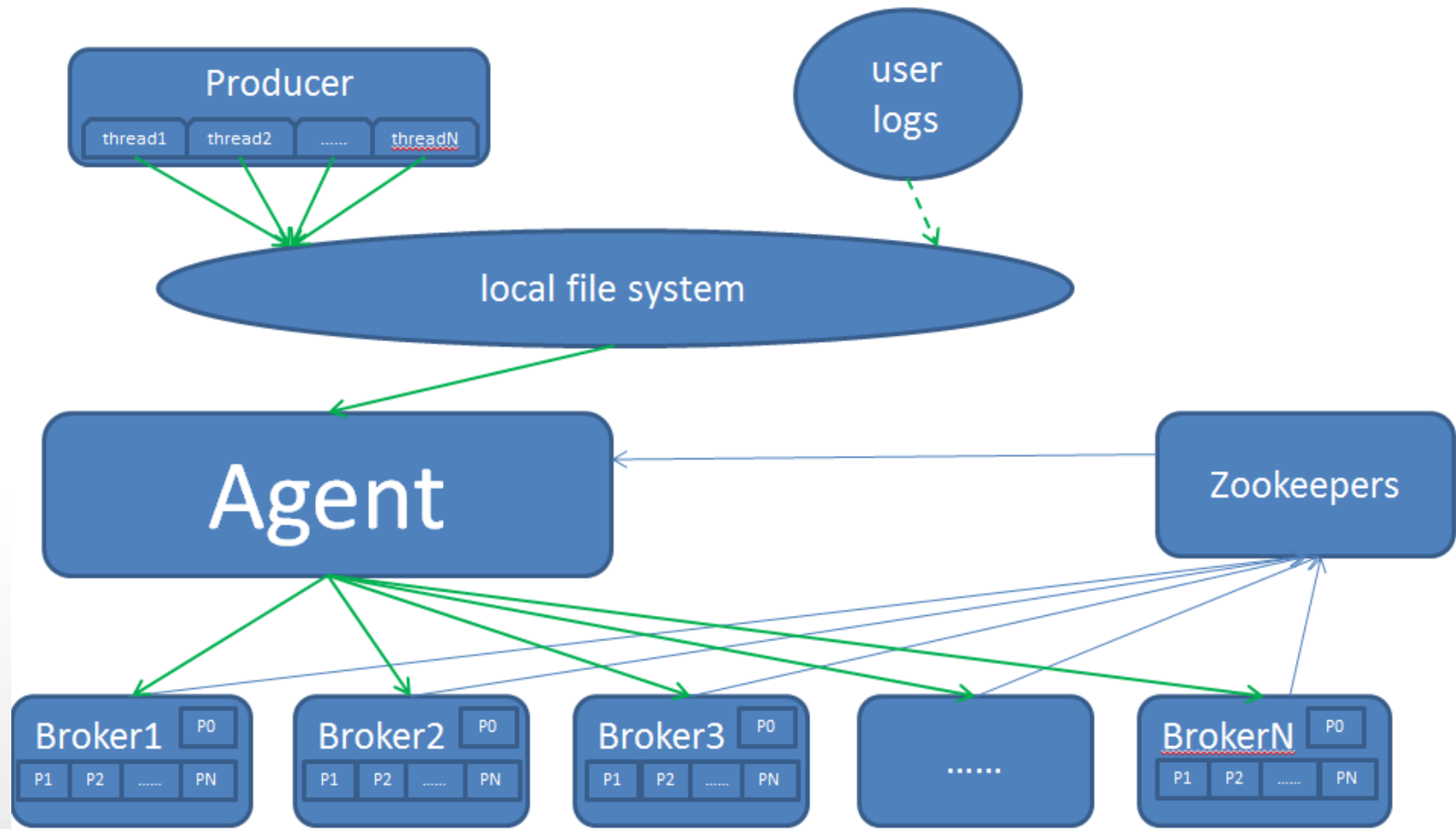






# Agent

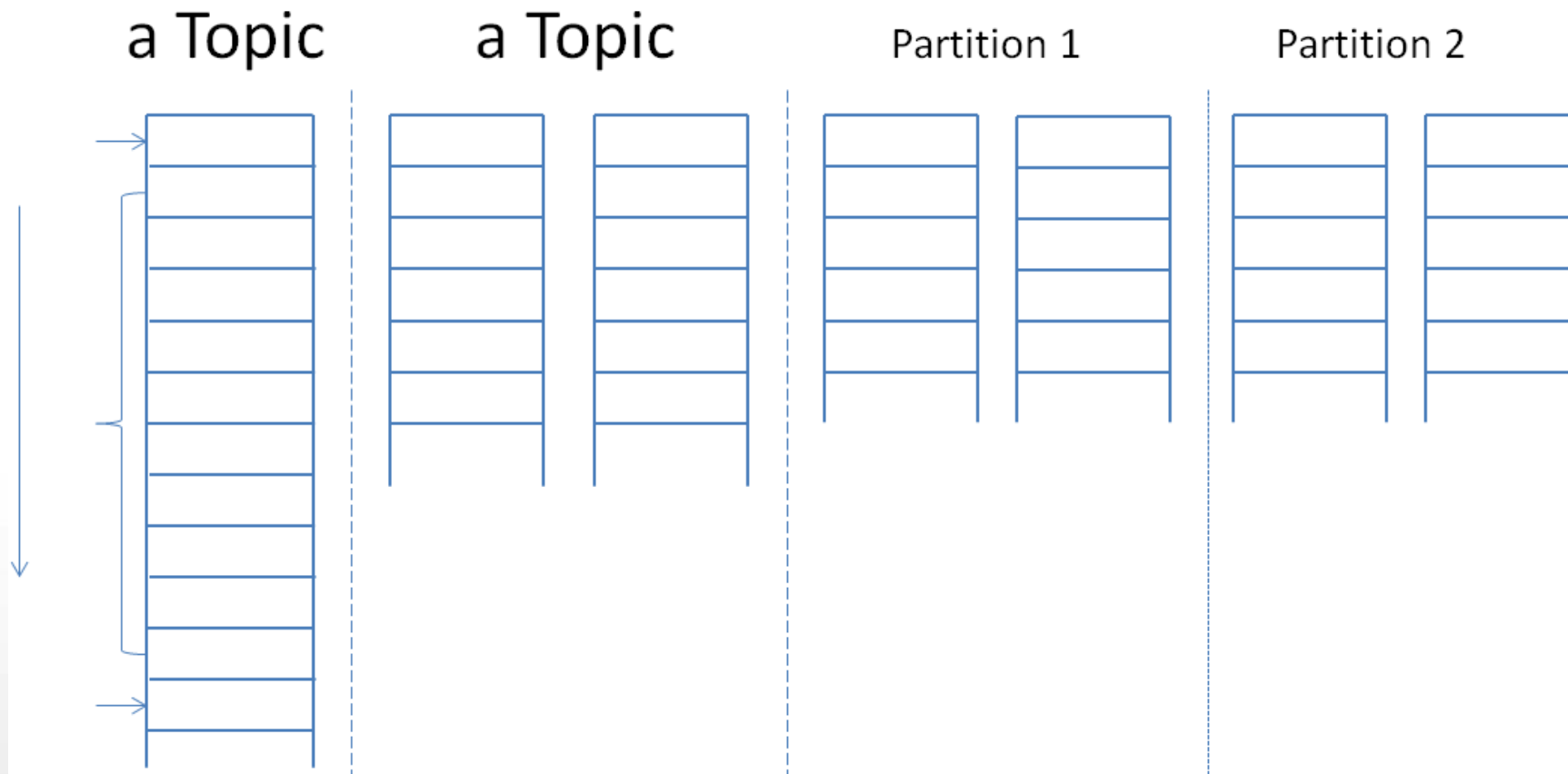
async send & log collection





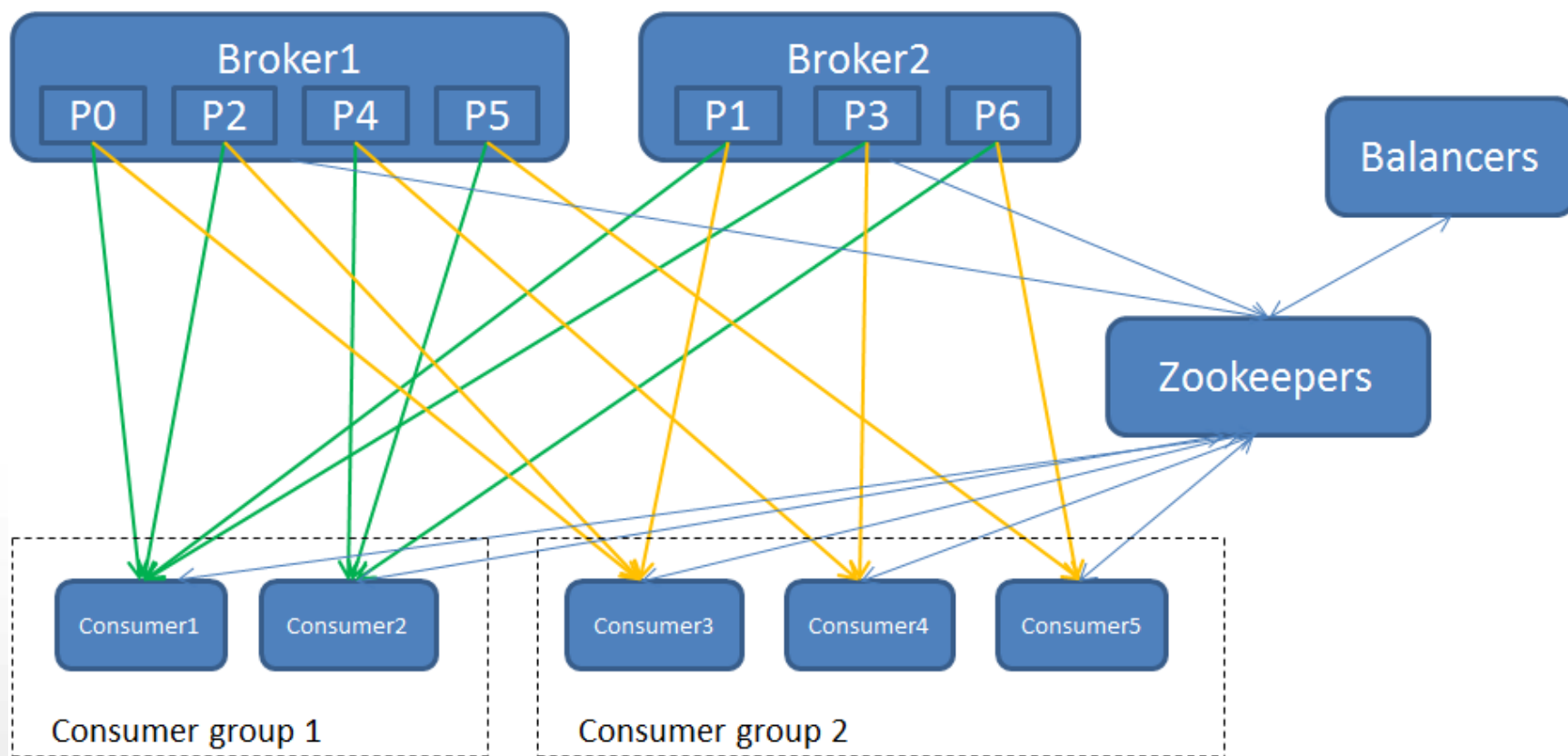
# high-throughput

## -- Broker



# high-throughput

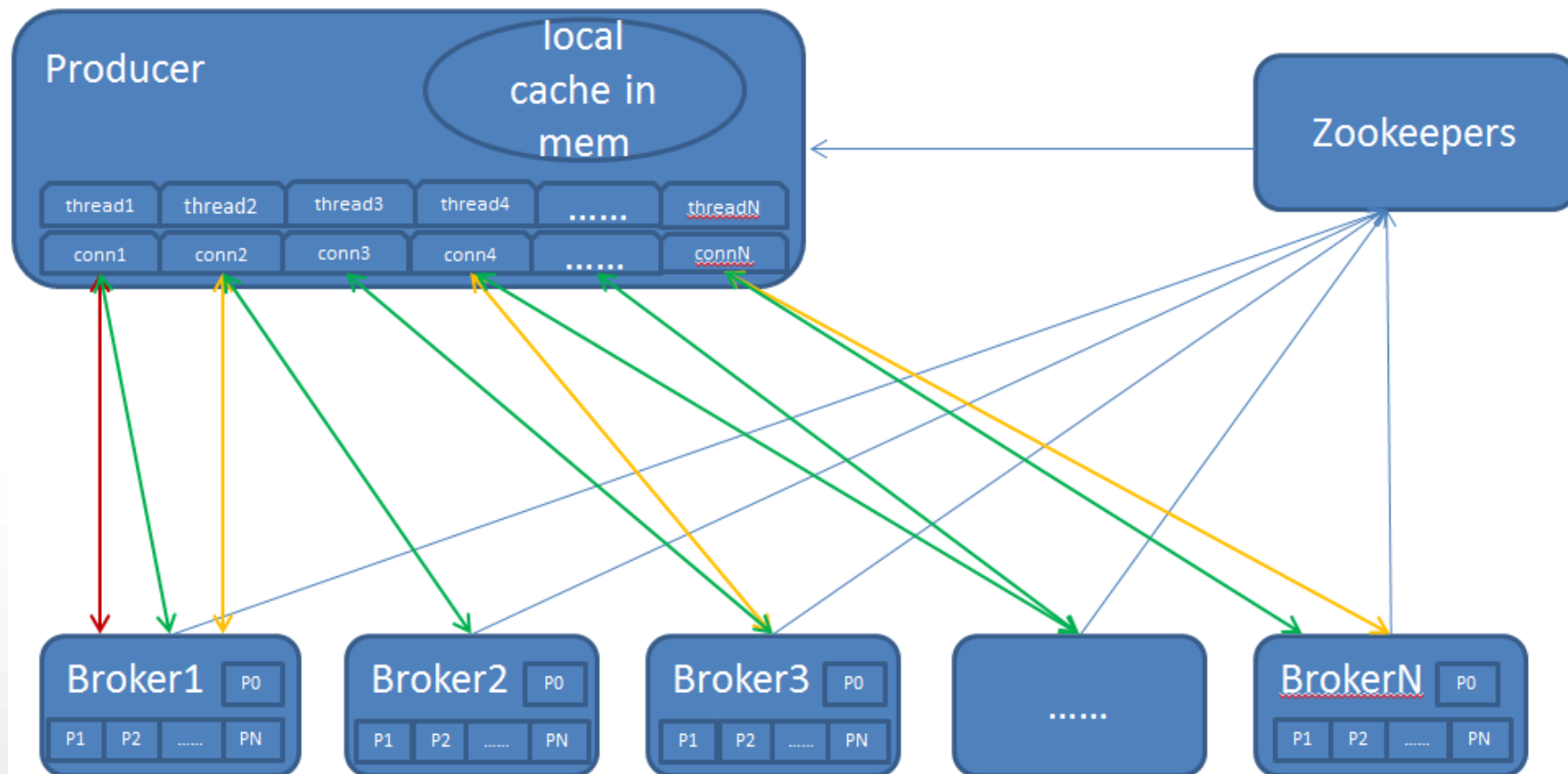
## -- Consumer



# high-throughput

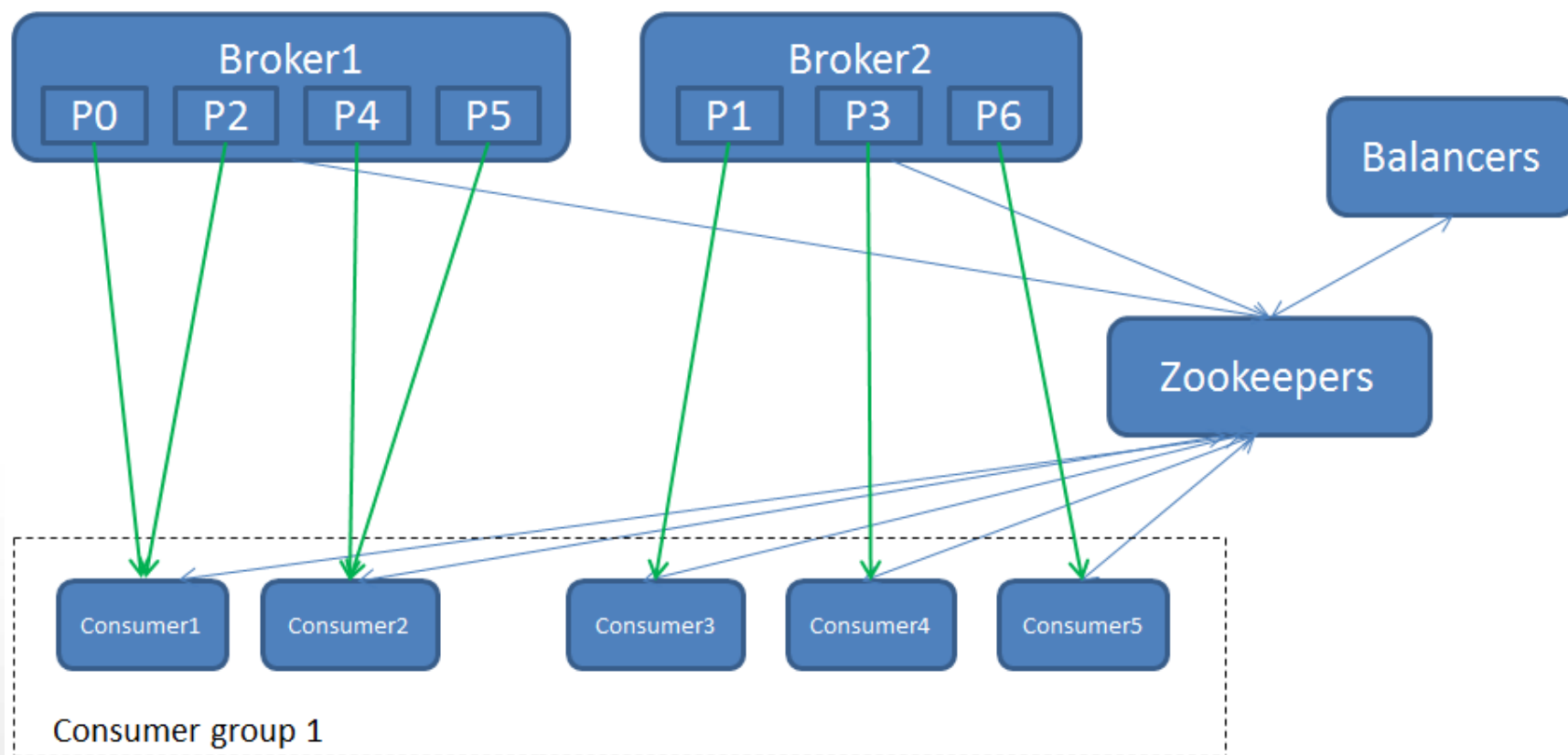
## -- Producer

sync send mode: 1) random 2) semantic 3) affinity



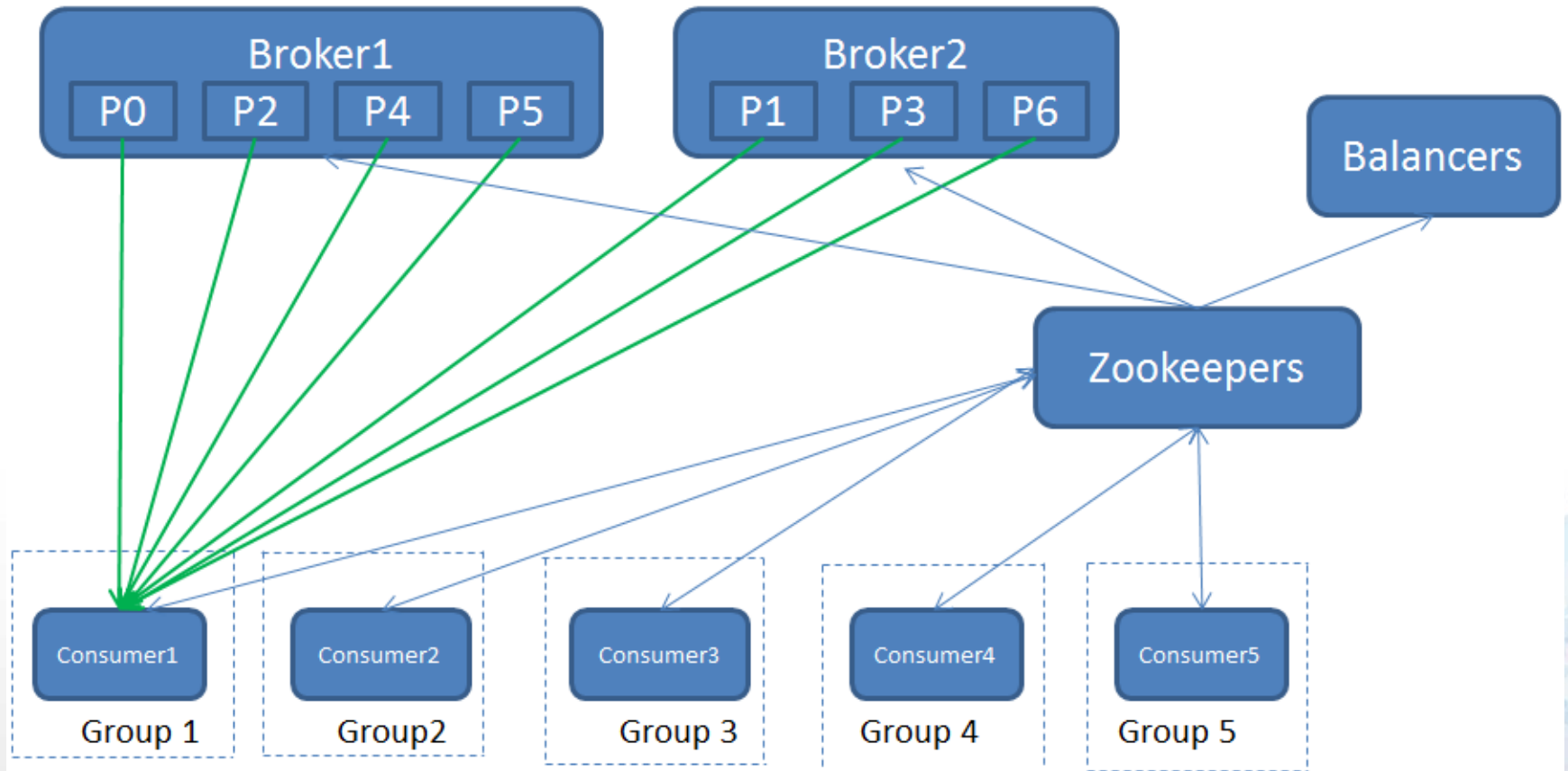
# basic models

-- Message queue



# basic models

-- PubSub



daily data

tens of T bytes / day  
tens of billions / day

# doing & todo

- hadoop & Storm
- trace system
- replay
- message bytes → message numbers
- data center transfer



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# Q&A

# THANKS

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