

# Toward Rack-Scale OLTP

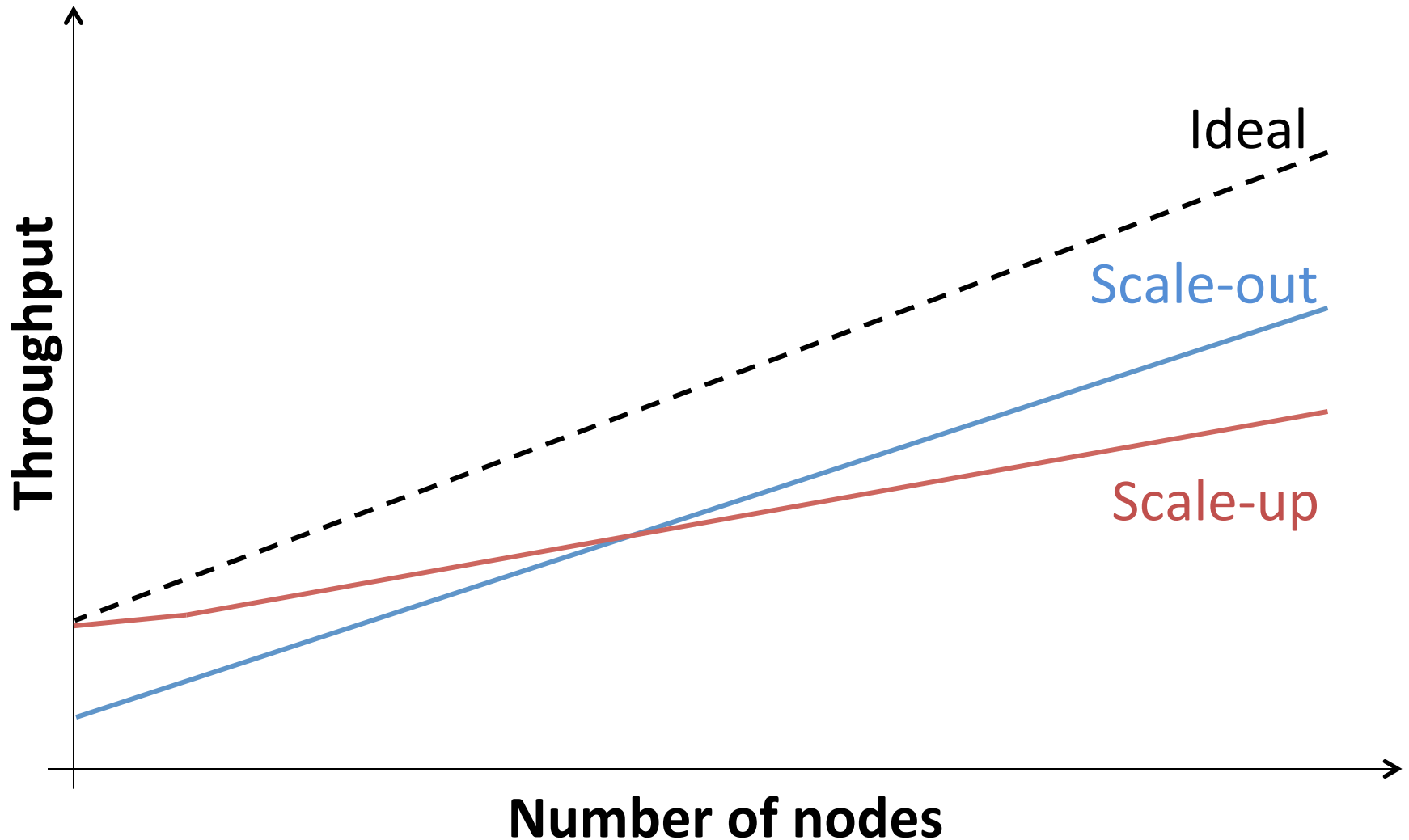
Danica Porobic

# Rack-scale hardware platforms



- Abundant non-uniform parallelism
  - Need to scale across many cores
- Large main memories
  - Data is memory resident
- Network & DRAM latencies converge
  - Need to scale across the machines
  - TCP/IP is too slow

# OLTP on rack-scale HW



**Need both: scale up and scale out**

# Where are the overheads?

