



# PERFORMANCE TUNING OF JEE APPLICATIONS

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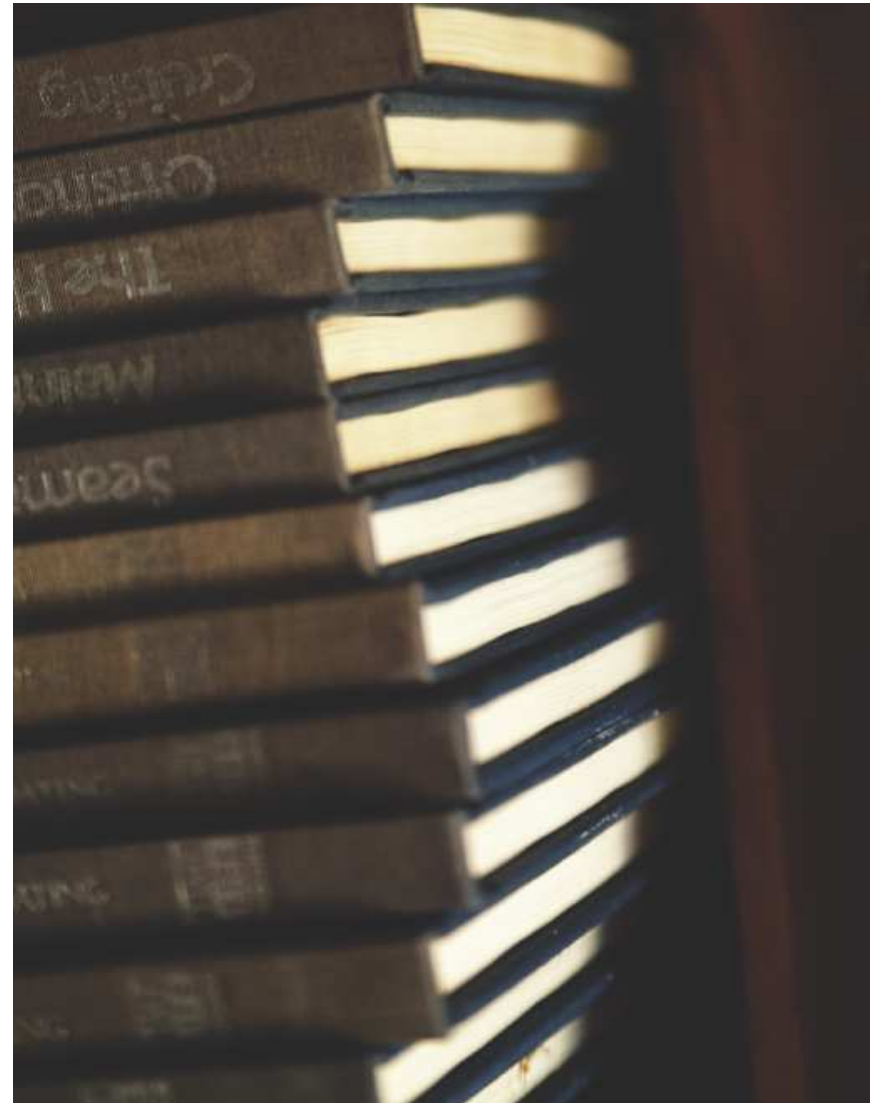
# Java Performance Tuning

- It is art, not science
- Measure, don't guess (Kirk Pepperdine)
- Hardware monitoring
  - CPU
  - Memory
  - Disk
  - Network



# Lab: Library

- JSF, EJB, JPA
- Database tables
  - Book
  - Exemplar
  - Borrow
  - Customer



## Lab: Library (cont.)

- What is the bottleneck?
- What is the dominating consumer?
- Tuning
  - Try and measure
  - Big gains first

# Lab: Bank

- JSF, EJB, JPA
- JAX-WS
- Database tables
  - Customer
  - Account
  - BankTransaction
  - Rate



# Coding in Java

- Focus on architecture
- Use design patterns
- Write dumb code (Brian Goetz)
- Do not optimize prematurely



# QUESTIONS & ANSWERS

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