Java Technology Seminar
JavaOne 2008 Wrap-up

Java + You

JCO 회장 최상훈

Every May...

- JavaOne Conference Season !!
  - Java Issue maker
    - Ajax, JPA, Groovy, (OSS) Java SE 6, EJB X.0, JavaFX ...

2008 JavaOne Issues

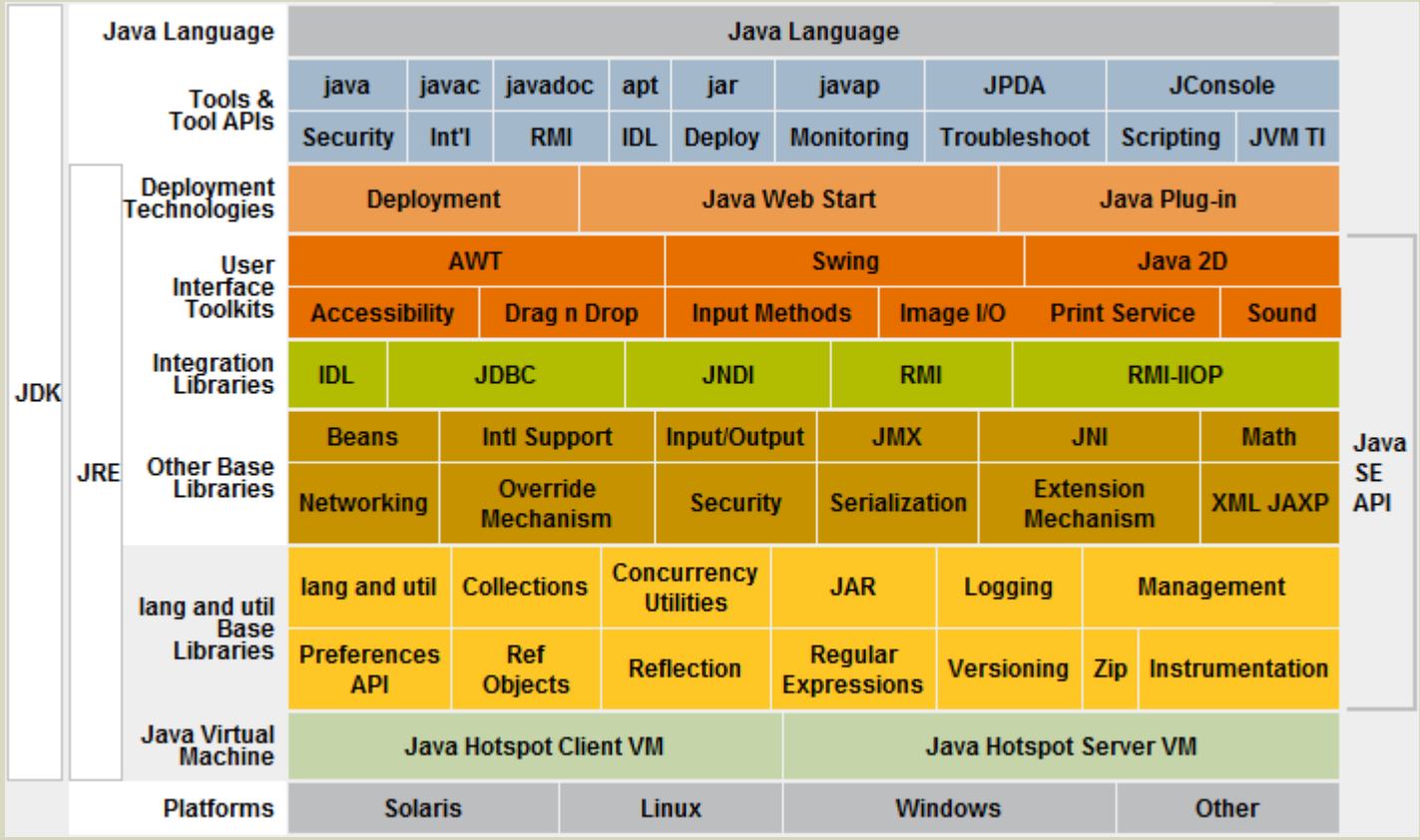
- JVM Optimization
- RIA
- Script Languages
- Open Source
- SOA
- ...

Java + You


JAVA+YOU
JavaOne May 6-9, 2008
The Moscone Center
Java
FOR HIRE
597
LEASED TO DRIVER
YELLOW
CAB COOPERATIVE
OUR PEOPLE. OUR COMMUNITY.

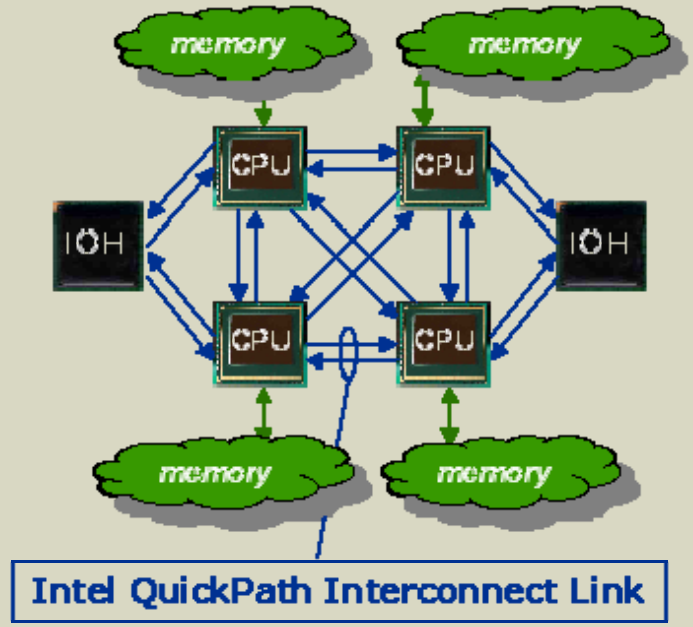
JVM Optimization 1

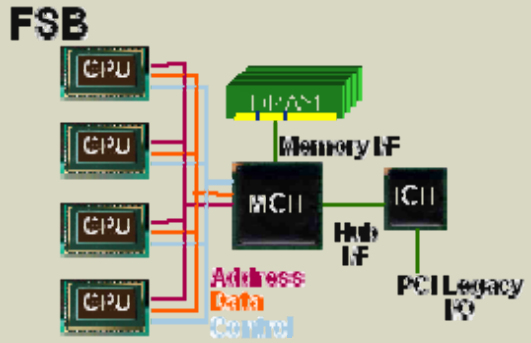
- Java + Intel Processor



JVM Optimization 2

- Intel QuickPath Interconnect
  - Scalable solution
    - Much higher link bandwidth than Front Side Bus (FSB)
    - Many system topologies with more than four processors supported

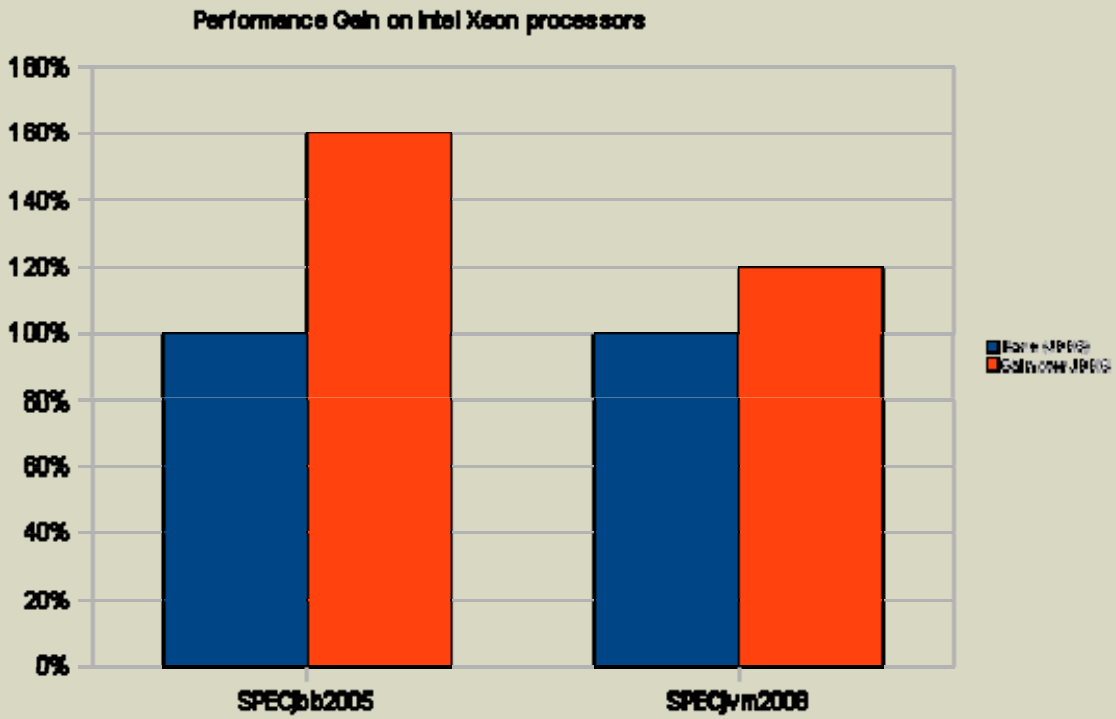


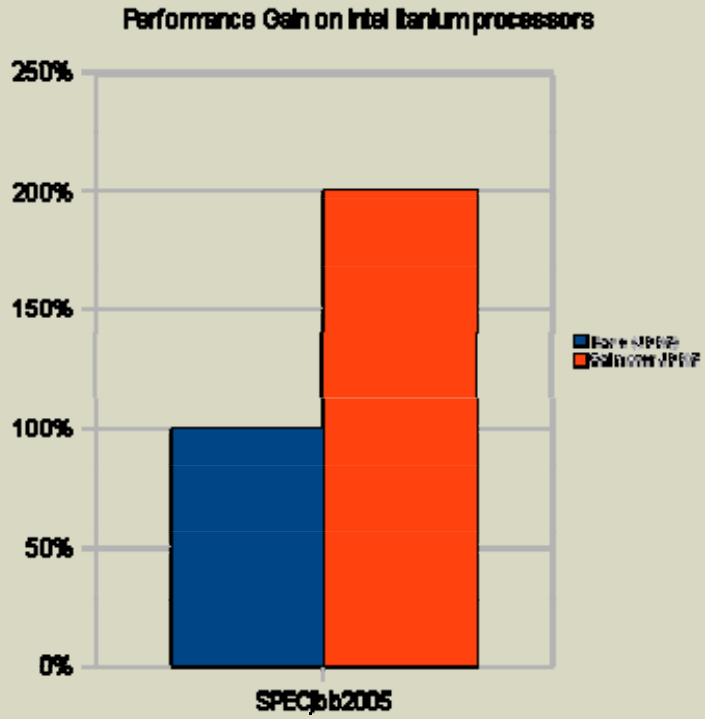


JVM Optimization 3

- Code Generation & Processor Specific Optimizations
  - Profiling Support: triggering method compilation, inlining, devirtualization..
  - Register allocation and assignment
  - Use of Itanium processor relative calls instead of indirect calls
- Allocation prefetch
- Tune register allocation to reduce memory traffic

JVM Optimization 4





JVM Optimization 5

- S/W Transactional Memory VS. H/W ...

```
static void move(Queue q1, Queue q2) {
  synchronized (q1) {
    synchronized (q2) {
        v = q1.dequeue();
        q2.enqueue(v);
    }
  }
}
```

```
static void move(Queue q1, Queue q2) {
  atomic {
        v = q1.dequeue();
        q2.enqueue(v);
    }
}
```

전망

SDK Market

Q & A

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