JSR-121

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with Pat Tullman, Bill Foote, Norbert Kuck

Session Outline

- **Status**
- **Good Fences Make Good Neighbors**
- **Isolate API overview**
- **Isolate for J2ME**
- **Isolate use case: Resource Mgmt Research**
- **Q&A**

JSR-121 Information is here:
   http://jcp.org/jsr/detail/121.jsp and follow link to
      "latest information"

Status

- **Originally specified for java.lang**
- **Passed JCP Community Review for J2SE**
- **Will not be included in J2SE 1.5**
- **Being revised as an optional (javax) package for next JCP phase**
- **Formal output coupling into a future J2ME JSR**

Why javax?

- **Decouples from J2SE and J2ME release schedules**
- **Facilitates early access release**
- **Allows engineers to couple with interesting implementations**

Isolation:

Good Fences make Good Neighbors

Java's two fundamental abstractions

- Java Thread
  - Light weight
  - Fast comm
  - Limited security

- Java Virtual Machine
  - Heavy weight
  - Slow comm
  - Strong security

Class loader based containers

- Medium weight
- Medium comm
- Medium security

Class loader based containers

- Medium weight
- Medium comm
- Medium security
- Hard to get right!
- Hard to keep right!

Requirements question:

How would you like relief for the Java class loader blues?

Isolates:

Relief for the classloader blues

Isolates:

A third fundamental Java abstraction

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