

Today

Distributed Systems +
Distributed Objects

✓ Synthesizing Network Protocol Stacks

⇒ Spring Kernel (Lesson 6)

Friday

Java RMI + EJB

(Please watch videos)

How to innovate OS?

Brand new OS?

OR

Better implementation of known OS?

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Better implementation of known OS?

Market-place needs

- Large complex Server Software

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⇒ Take the Intel inside approach.....

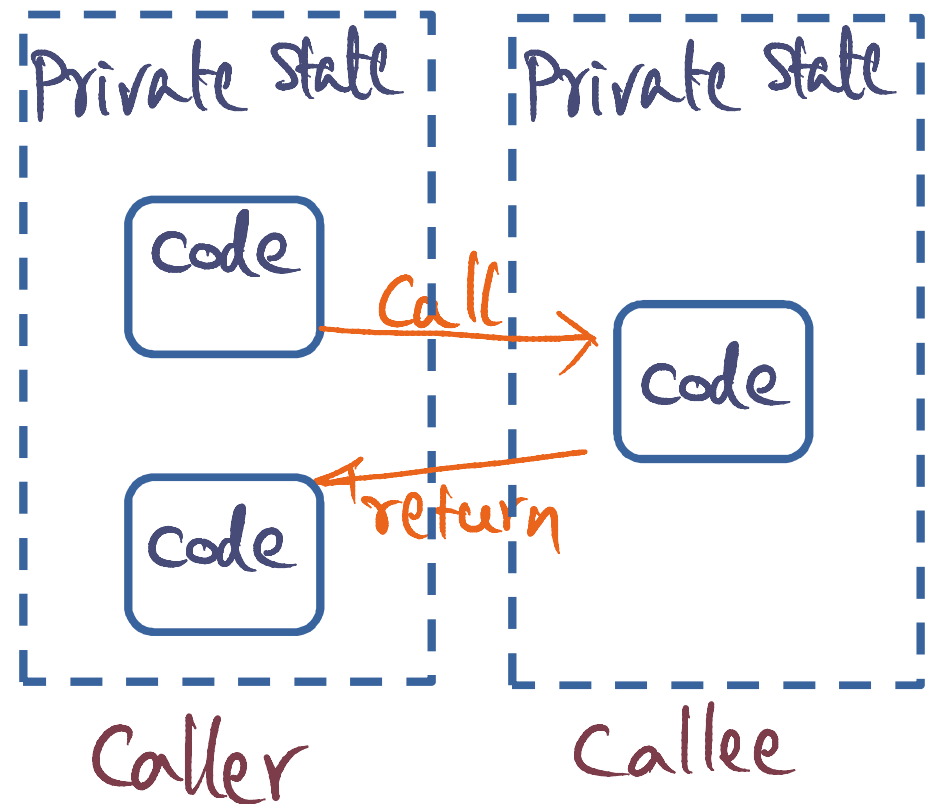
in this case Unix inside for box makers

like Sun Microsystems

Object-based vs. Procedural Design

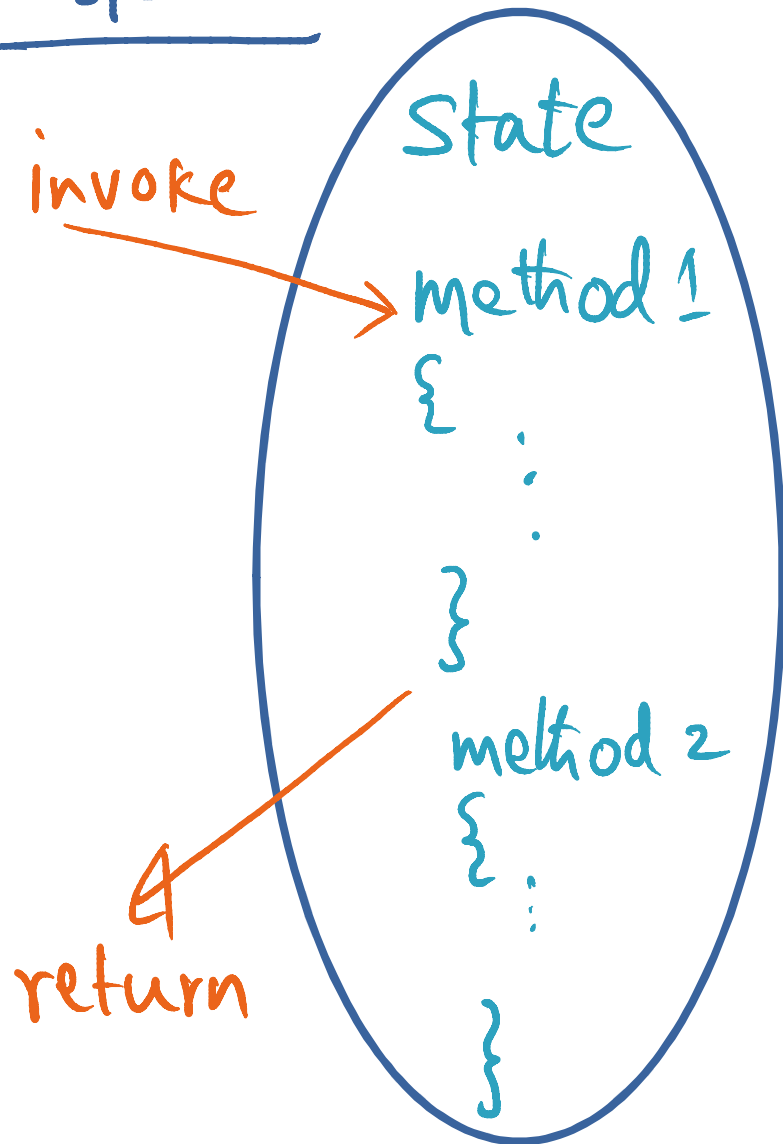
Procedural

Shared state



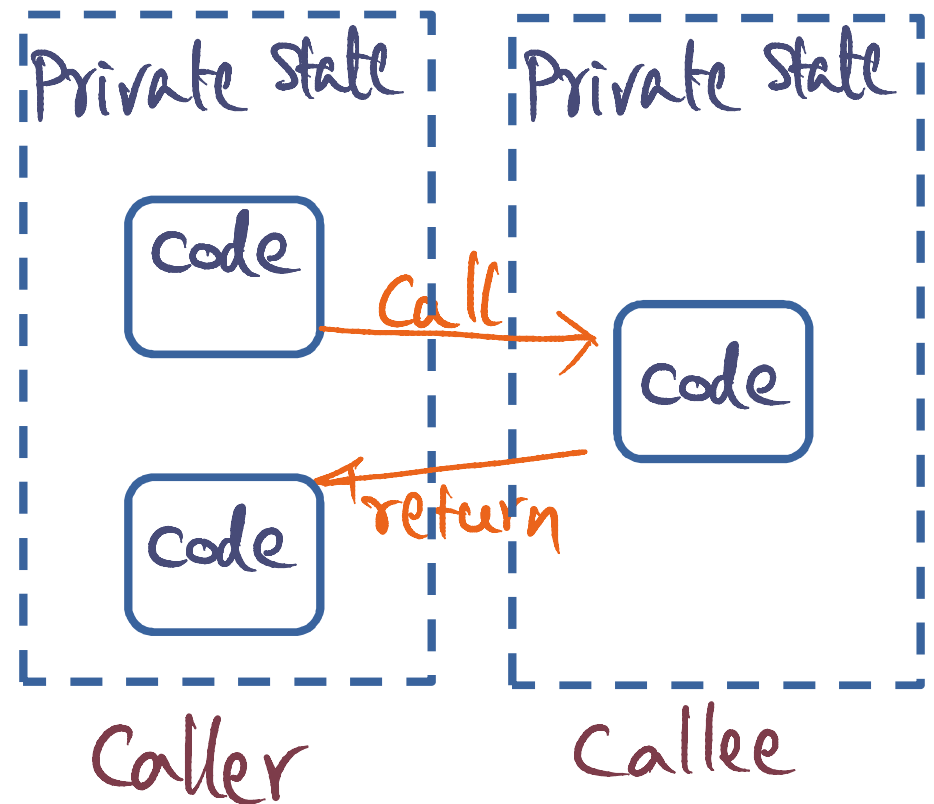
Object-based vs. Procedural Design

Objects



Procedural

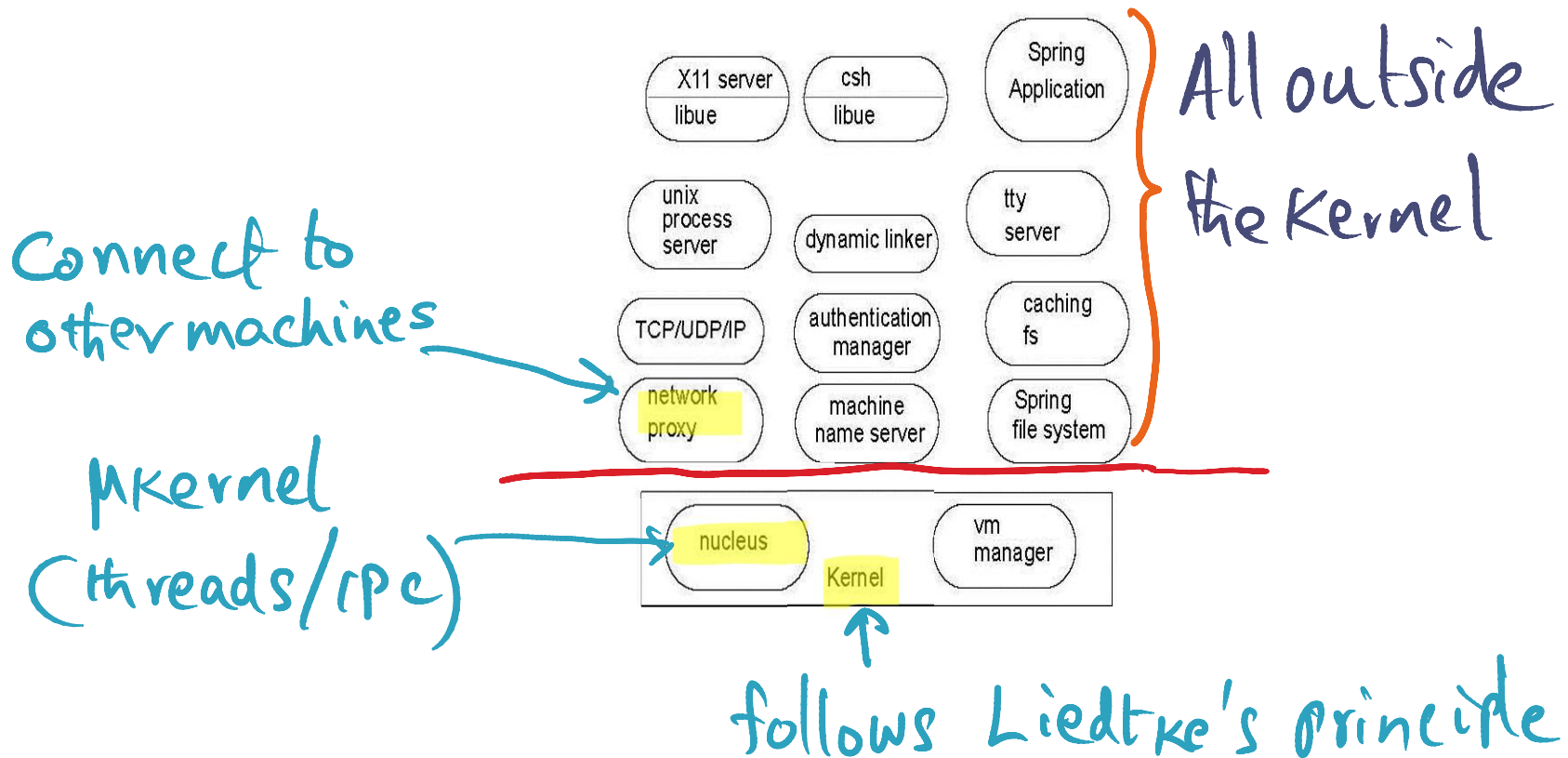
Shared state



Spring Approach

Strong interfaces

open, flexible, and extensible



Nucleus - "microkernel" of Spring

