

Lecture 8

Note Title

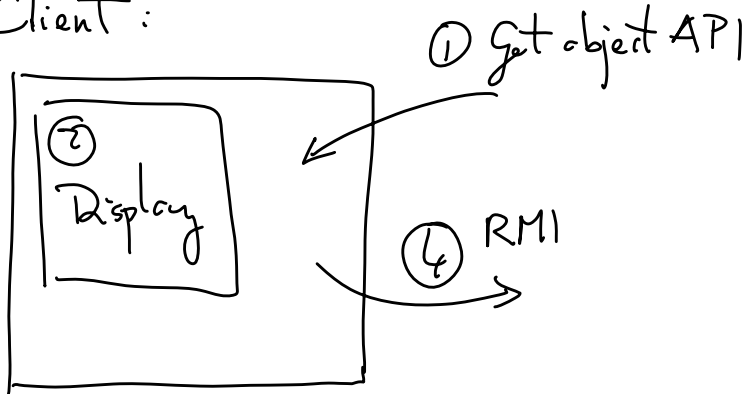
9/15/2004

Static vs Dynamic Invocation

Static: `obj_ptr → do_something ()`

Dynamic `invoke (object, method, input pars, output pars);`
Eg `invoke (obj_ptr, do_something, NULL, array_data);`

Client:



③ User chooses method, parameters

Eg batch processing: queue of jobs w/ at-times.

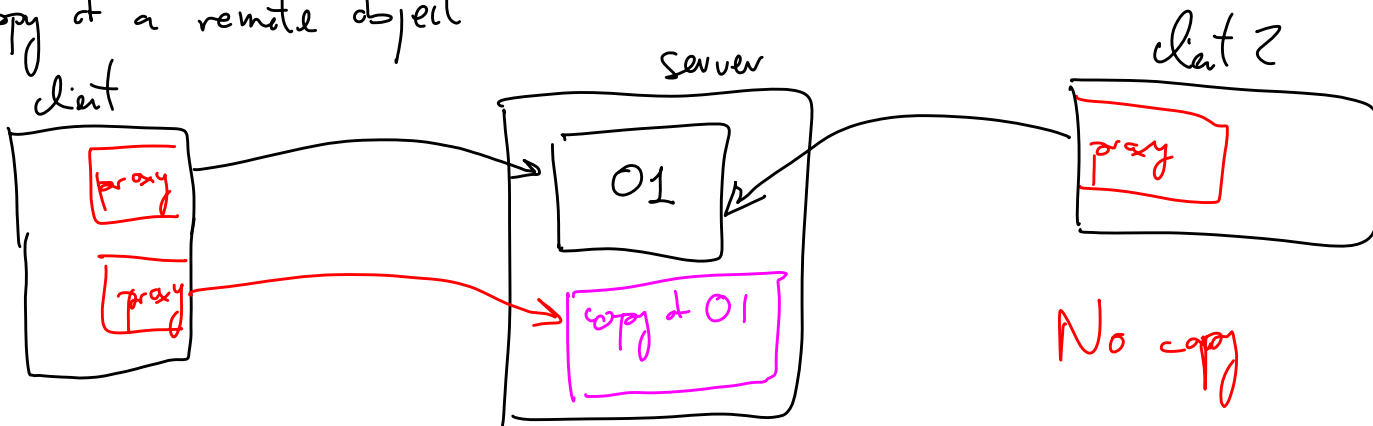
\$ at 3:25 obj_ptr do something

Case study: Java RMI.

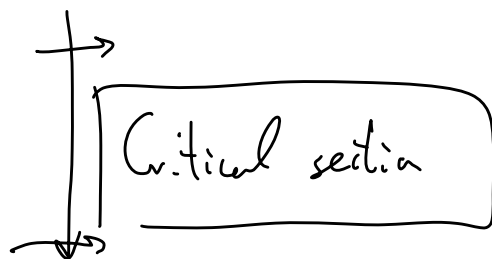
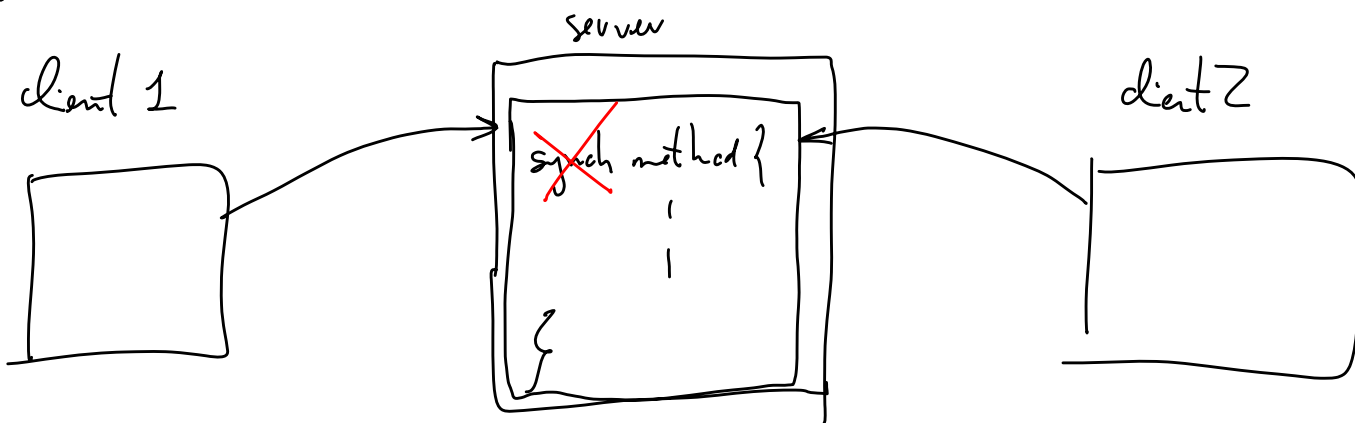
↳ Remote Method Invocation

Transparency

Copy of a remote object



Synchronized methods

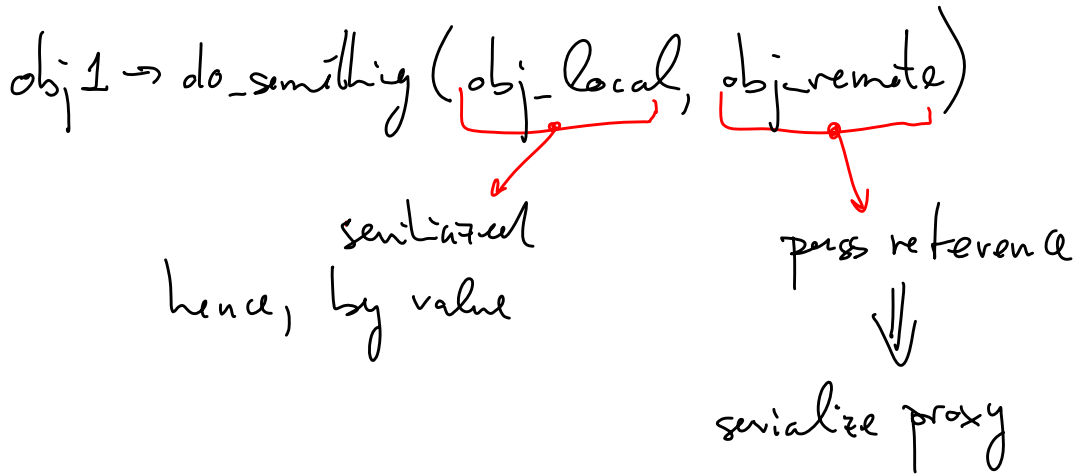


to be executed critically.

Serializable objects

object marshalled (as a sequence of bytes)^{eg.} for copy at a remote location

Java RMI : can serialize most objects
(exceptions eg file descriptors)



Short story.

Long story