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FAKULTÄT FÜR
INFORMATIK

Distributed and Operating Systems Group

Advanced Operating System Issues (AOSI)

Excercise Sheet 4

Due date: 29.11.2012

1 RPC and RMI

1. Describe the different RPC/RMI-Semantics.
2. What does the term "idempotent" mean and how does it relate to the used RPC/RMI-semantics?
3. Why does SUN-RPC and Java-RMI use different semantics?
4. The interface of specific SUN-RPC-based procedures can be defined by the XDR-Language. How is this defintion done for Java-RMI?
5. Discuss the limitations of pure RPC/RMI communication in distributed systems. Which transparencies can be provided by RPC/RMI which cannot?