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INF

FAKULTÄT FÜR
INFORMATIK

Distributed and Operating Systems Group

Advanced Operating System Issues (AOSI)

Excercise Sheet 5

Due date: 22.12.2011

1 Practical task 2

1. Test your implementation by issuing challenges for RPC and MPI containing:

id = aosi2011

passwd = verySecretPassword

What was the response of the server?

2. Use a package monitoring system like tcpdump or wireshark to capture the packages that are transmitted during the challenge-response communication.
3. Compare the current dumps against the dumps of the first practical task. Which major differences can you observe.
4. Explain the mechanism of UDP-Multicast. How is a multicast routed through different networks. How is the multicast used on the medium access layer?
5. Which communication scheme is now more appropriate for this task? How did the unreliability change the results of the previous discussion: