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Question bank

UNIT-1

1. How is Distributed OS different from Network OS?
2. Discuss the design issues in Intranet
3. Describe details about architectural model.
4. Give the characteristics and goals of centralized OS, Network OA & Distributed OS

UNIT-2

1. How is TCP stream communication and UDP datagram communication done using Sockets? Explain in brief.
2. Explain external data representation and marshalling concepts in detail.
3. What is group communication? What are the key areas of applications of group communication? Explain the programming model for group communication.

UNIT-3

1. How is RMI implemented in Java? Discuss about the interface and parameter passing semantics of Java.
2. How are the invocations between address done with respect to system call, RPC/RMI with in the same computer and RPC/RMI on different computers?
3. What is a light weight RPC? Explain in brief.

UNIT-4

1. What are the different server threading architectures?
2. How are the performance of threads measured?
3. What is a micro kernel? What is the role of micro kernel? How does MACH and Chorus work?

UNIT-5

1. Give the requirements of Distributed file system
2. Distinguish between IP and overlay routing for peer-to-peer applications.
3. What is Napster peer-to-peer file sharing?
4. Discuss shortly about Routing overlay

UNIT-6

1. How are transactions recovered in distributed systems? What are the tasks or recovery manager?.

2. How is recovery of two-phase commit protocol done in a distributed transaction? Explain

3. Explain the role of co-ordinator in distributed transaction