

The Tutorial Questions and Lab Projects of Week 7

Tutorial Questions

1. Describe the names (including identifiers) and attributes used in a distributed file service such as Network File System (NFS).
2. Discuss the problems raised by the use of aliases in a name service, and indicate how, if at all, these may be overcome.
3. Explain why iterative navigation is necessary in a name service in which different name spaces are partially integrated, such as the file naming scheme provided by NFS.
4. Describe the problem of unbound names in multicast navigation. What is implied by the installation of a server for responding to lookups of unbound names?
5. How does caching help a name service's availability?
6. Why might a DNS client choose recursive navigation rather than iterative navigation? What is the relevance of the recursive navigation option to concurrency within a name server?
7. What security issues are liable to be relevant to a directory service such as X500 operating within an organisation such as a university?

Lab Projects

Continue the lab projects for Week 6 and Week 7.