

1998 Paper 10 Question 8

Operating System Foundations

You are to advise on the selection of an operating system on which network-accessible services are to be provided. Each service must be capable of supporting a specified number of simultaneous clients and multiprocessor hardware may be used.

Define and evaluate each of the following styles of support for multi-threaded processes:

(a) user threads only [10 marks]

(b) kernel threads only [10 marks]

[Hint: include selected data held in process and thread descriptors; mention calls supported at the thread-package and kernel interfaces.]