

1997 Paper 11 Question 4

Distributed Systems

For a distributed filing system

- (a) discuss the placement within an overall architecture of
 - (i) pathname resolution [3 marks]
 - (ii) existence control; [3 marks]
- (b) discuss the need for an authentication infrastructure for such a system and outline how this might be provided; [8 marks]
- (c) discuss how access control might be built above an authentication infrastructure. [6 marks]