

2008 Paper 7 Question 8

Advanced Systems Topics

- (a) Explain the difference between *distance vector* routing and *link-state* routing. [2 marks]
- (b) Describe in detail the problem of *counting to infinity* and describe two solutions. [4 marks]
- (c) Compare and contrast the two existing methods of damping route instability in the Border Gateway Protocol (BGP). [6 marks]
- (d) Could link-state protocols be used for interdomain routing? Explain your answer. [8 marks]