Network Management: Chapter 1 Review Questions

January 27, 2005

1. What was the purpose of creating the OSI Reference Model?

2. The OSI model has seven layers while the TCP/IP model only has five. What functionality (if any) is missing from the TCP/IP model?

3. SNMP is part of which layer in the TCP/IP protocol stack?

4. A network management system (NMS) is part of which layer in the TCP/IP protocol stack?

5. What 2 elements does a PDU contain?

6. What headers would an SNMP packet contain?

7. What protocols does a Web browser use?

8. Why might you want to configure a switch to drop frames intended for a particular device?

9. What is the advantage of a switched LAN over a 10Base2 LAN?

10. Are switches always layer 2 devices?

11. What is the advantage of a hub over a coaxial cable?

12. Why are 10BaseT segments limited to 100 meters in length?

13. What is the purpose of a bridge table?

14. What mappings do switch tables contain?

15. What mappings do routing tables contain?

16. How does the Ethernet II frame differ from the ISO/IEC 802.3 frame?

17. What is the purpose of the Network Device Interface Specification (NDIS)?