

Assignment 2 Application Protocols

1. How does the Application level of the TCP/IP model map to the ISO/OSI model?

The application level of the TCP/IP model

2. The primary difference between FTP and TFTP is user authentication. What is meant by the term "user authentication?"

FTP (File Transfer Protocol) requires authentication with user and password. TFTP (Trivial File Transfer Protocol) does not require authentication and it can only read/write the file.

3. Which protocol is used most often for sending mail between mail servers?

Protocol used most often for sending mail between mail servers is Simple Mail Transfer Protocol.

4. Which mail protocol would you use for receiving mail?

The mail protocols I use are the (Post Office Protocol 3) and IMAP4 (Internet Mail Access Protocol V4).

5. If you are using a conventional browser to surf the Internet, what protocol(s) are you most likely using?

I am likely using the HTTP- Hyper Text Transfer Protocol.

6. If you are buying a product on Amazon or checking your bank balance online, what protocol should you be using?

I will be using HTTPS-Hyper Text Transfer Protocol Secure.

7. Who created SSL?

SSL was created by Netscape.

8. What is TLS? Who created it?

Transport Layer Security (TLS) is a protocol that ensures privacy between communicating applications and their user on the internet. TLS is an updated version of SSL and was created by IETF (Internet Engineering Task Force).

9. Name common Voice over IP (VoIP) protocols.

Common Voice over IP (VoIP) protocols are SIP-Session Initiation Protocol, and RTP-Real-time Transport Protocol.

10. Which protocol actually sends your voice across the network?

Protocol actually sends yours voice across the network is RTP-Real-Time Transport Protocol.