

So how does SMTP mark the end of a message body? How does HTTP mark the end of a message body? Can HTTP use the same method as SMTP to mark the end of a message body? Explain please.

So let us consider distributing a file of  $F = 7$  Gbits to  $N$  peers. The server has an upload rate of  $u_s = 80$  Mbps, and each peer has a download rate of  $d_i = 2.0$  Mbps, and an upload rate of  $u$ . For  $N = 10, 100$ , and  $1000$ , and  $u = 300$  kbps,  $800$  kbps, and  $1.4$  Mbps, prepare a chart giving the minimum distribution time for each of the combinations of  $N$  and  $u$  for both client-server and P2P distribution.

So as we know that Internet TCP sockets treat the data being sent as a byte stream but UDP sockets recognize message boundaries. What are one advantage and one disadvantage of byte-oriented API versus having the API explicitly recognize and preserve application-defined message boundaries?

Please create a PHP script that will get a number  $N$  from the user and display the prime numbers from 2 to  $N$ .

Please create a PHP script that will allow two players to play tic-tac-toe. Use images to represent blank squares, Xs and Os. Your program should check to make sure a move is legal, and report when one player or the other has won. Images for blank, X, and O images will be included when bid is selected

Thanks chris