

1.1 Is this reply from a primary NTP server? Explain your answer by using relevant fields in the reply.

No, this reply is not from a primary NTP server. The Stratum field in the reply packet is set to 2, which identifies the server as a secondary NTP server. A primary NTP server would have a Stratum value of 1, indicating it is directly synchronized to a reference clock. A Stratum 2 server synchronizes its time with a primary server rather than a direct reference clock source.

1.2 At what time was the NTP response received by the client? Is this the destination timestamp or the receive timestamp? Explain your answer.

This packet was received by the client at 11.043475 seconds. The receive timestamp represents when the request was received by the host server. The destination timestamp is when the packet is received by the client but is not contained within the actual packet itself.

These questions are in reference to packet no. 257