

STP (Spanning Tree Protocol) Interview Questions And Answers Guide.



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STP (Spanning Tree Protocol) Job Interview Preparation Guide.

Question # 1

Tell us is the datagram identifier field unique for each IP datagram?

Answer:-

Yes. The IP datagram identifier field is different for each IP datagram transmitted. The fragments of an IP datagram will have the same identifier value.

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Question # 2

Tell us why there are two length fields (IP header length, IP datagram length) in the IP header?

Answer:-

The size of the IP header is not fixed. Depending on the IP options present, the size of the IP header will vary. A separate field for the IP header length is added, so that the destination system can separate the IP datagram header from the payload.

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Question # 3

Tell me what is the byte order used for transmitting datagram headers in the TCP/IP protocol suite?

Answer:-

All the datagram headers in the TCP/IP protocol suite are transmitted in the "big endian" byte order. i.e. The most significant byte is transmitted first. This is also called as "network byte order".

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Question # 4

Explain What is the use of the Time To Live (TTL) field in the IP header?

Answer:-

The TTL field is used to limit the lifetime of a IP datagram and to prevent indefinite looping of IP datagrams.

Time To Live is used to limit the period of time of transmission of network technology that ba unit of data can experience before it should be discarded. .

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Question # 5

Explain When is a datagram considered undeliverable?

Answer:-

If a datagram cannot be delivered to the destination host due to some reason, it is considered an undeliverable datagram.

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Question # 6

Explain how is the TTL field used to prevent indefinite looping of IP datagrams?

Answer:-

The TTL field contains a counter value set by the source host. Each gateway that processes this datagram, decreases the TTL value by one. When the TTL value reaches zero, the datagram is discarded.

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Question # 7

Explain Which RFC discusses the Type Of Service (TOS) field?



Answer:-

RFC 1349 discusses the Type Of Service (TOS) field.

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Question # 8

Explain What is the typical value for the TTL field?

Answer:-

The typical value for a TTL field is 32 or 64.

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