01:56

PPP
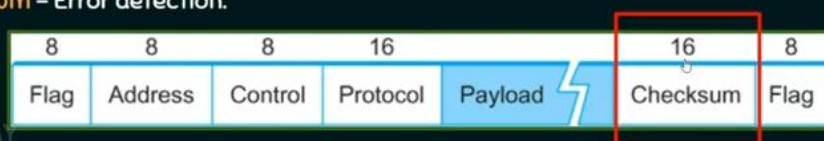
★ PPP is a data link layer protocol.

★ PPP is a WAN protocol and which is commonly run over Internet links.

★ It is widely used in broadband communications having heavy loads and high speeds.

★ It is used to transmit multiprotocol data between two directly connected (point-to-point) computers.

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04:17

PPP – FRAME FORMAT

★ Flag – 1 byte that marks the beginning and the end of the frame. The bit pattern of the flag is 01111110.

★ Address – 1 byte which is set to 11111111 in case of broadcast.

★ Control – 1 byte set to a constant value of 11000000.

★ Protocol – 1 or 2 bytes that define the type of data contained in the payload field.

★ Payload – This carries the data from the network layer. The maximum length of the payload field is 1500 bytes. However, this may be negotiated between the endpoints of communication.

★ Checksum – Error detection.

8	8	8	16		16	8
Flag	Address	Control	Protocol	Payload	Checksum	Flag

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