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**Video Case 03**

**Chapter 3: The Data Link Layer**

**Watch the video at:** <https://youtu.be/AfIb5XlukiI>

**Summary:** This video talks about the role of the Data Link Layer in the network and its sub layers.

**Video case Questions:**

1. What is the use of Data Link Layer?

To prepare network layer packets for transmission and to control access to the physical media. It is a connecting layer between the software layers above and the physical layer below.

1. What are the 2 sub layers of data link layer and brief their purpose?

Logical link control sub layer places information in the frame that identifies which network protocol is being used for the frame. Media access control sub layer regulates the placement of data frames onto the media and provides addressing and delimiting of data according to the physical signaling requirements of the medium

1. What information does the frame header and trailer contain?

The frame header contains the control information for the specific logical topology and media used. It contains the Start Frame, Address, and Type/Length. The frame trailer contains the information to check if the frame arrived with any errors. It contains the FCS and the Stop Frame.