SNS COLLEGE OF TECHNOLOGY

Coimbatore-35

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A+' Grade

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

19ECT301-COMMUNICATION NETWORKS

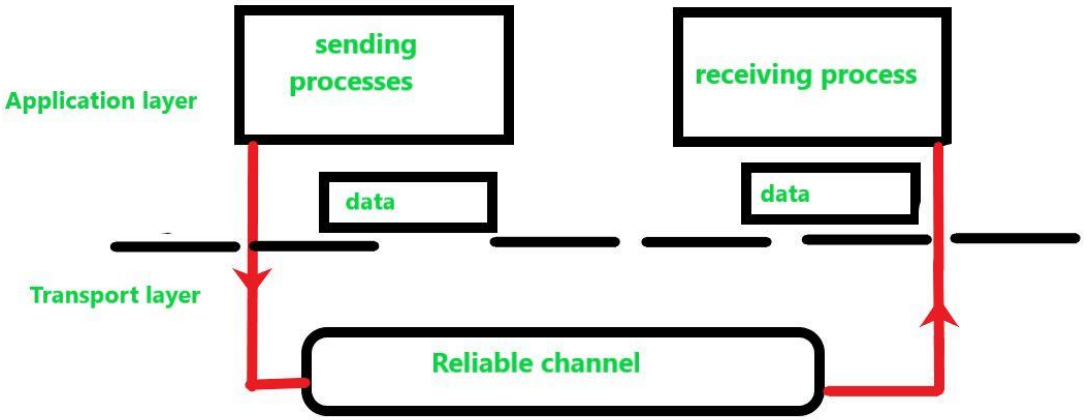
III YEAR/ V SEMESTER

UNIT 3- TRANSPORT LAYER & APPLICATION LAYER

TOPIC 2 –ELEMENTS OF TRANSPORT PROTOCOL

INTRODUCTION

To establish a reliable service between two machines on a network, transport protocols are implemented



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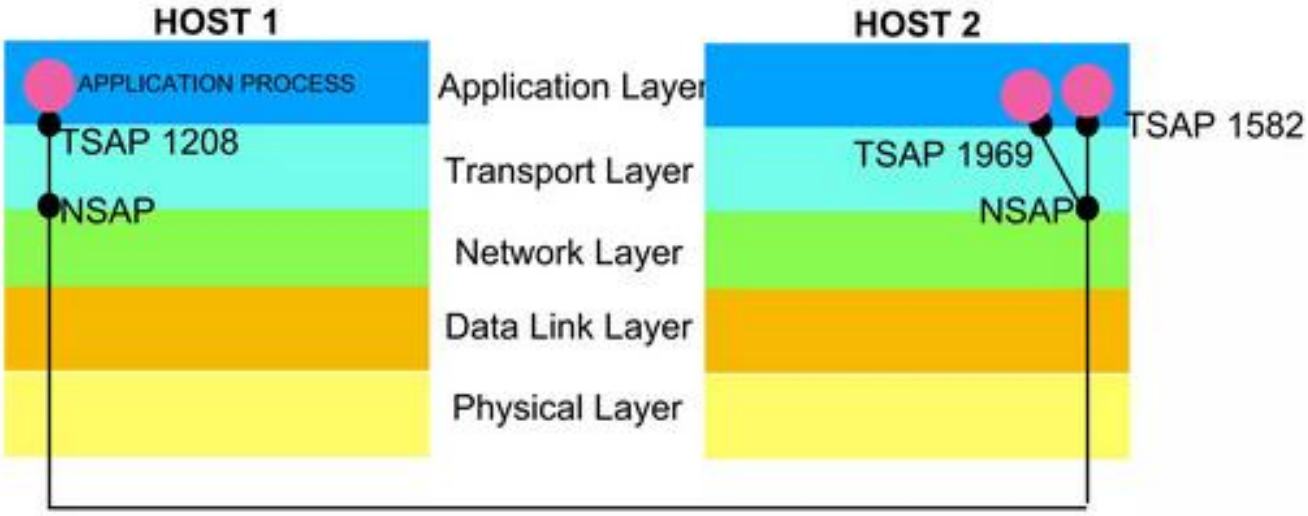
ELEMENTS OF TRANSPORT PROTOCOL

- Types of Service. The transport layer also determines the type of service provided to the users from the session layer
- Error Control.
- Flow Control.

ELEMENTS OF TRANSPORT PROTOCOL

- Connection Establishment/Release
- Multiplexing/De multiplexing.
- Fragmentation and re-assembly.
- Addressing

ADDRESSING



To access a specific service , we have to mention a specific Port Address.

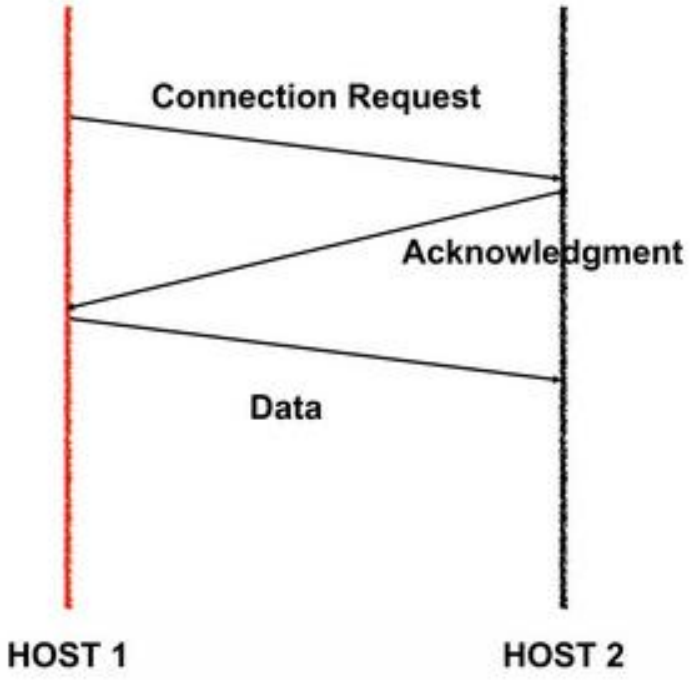
SAP - Service Access Point

TSAP- Transport SAP

NSAP - Network SAP

CONNECTION ESTABLISHMENT

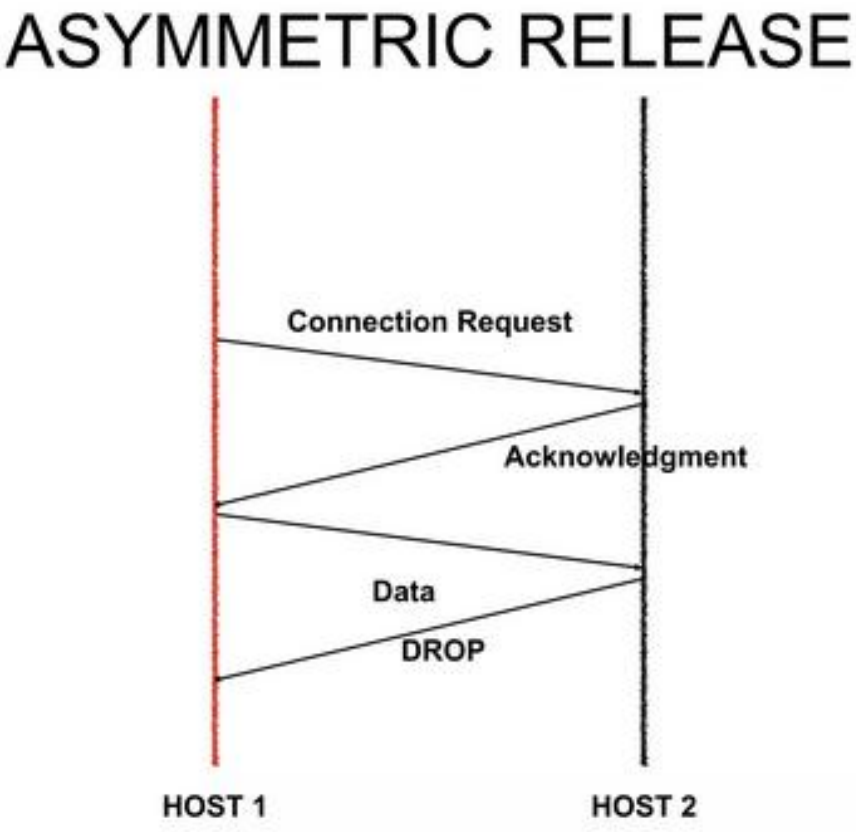
Connection is being established by 3 way handshake



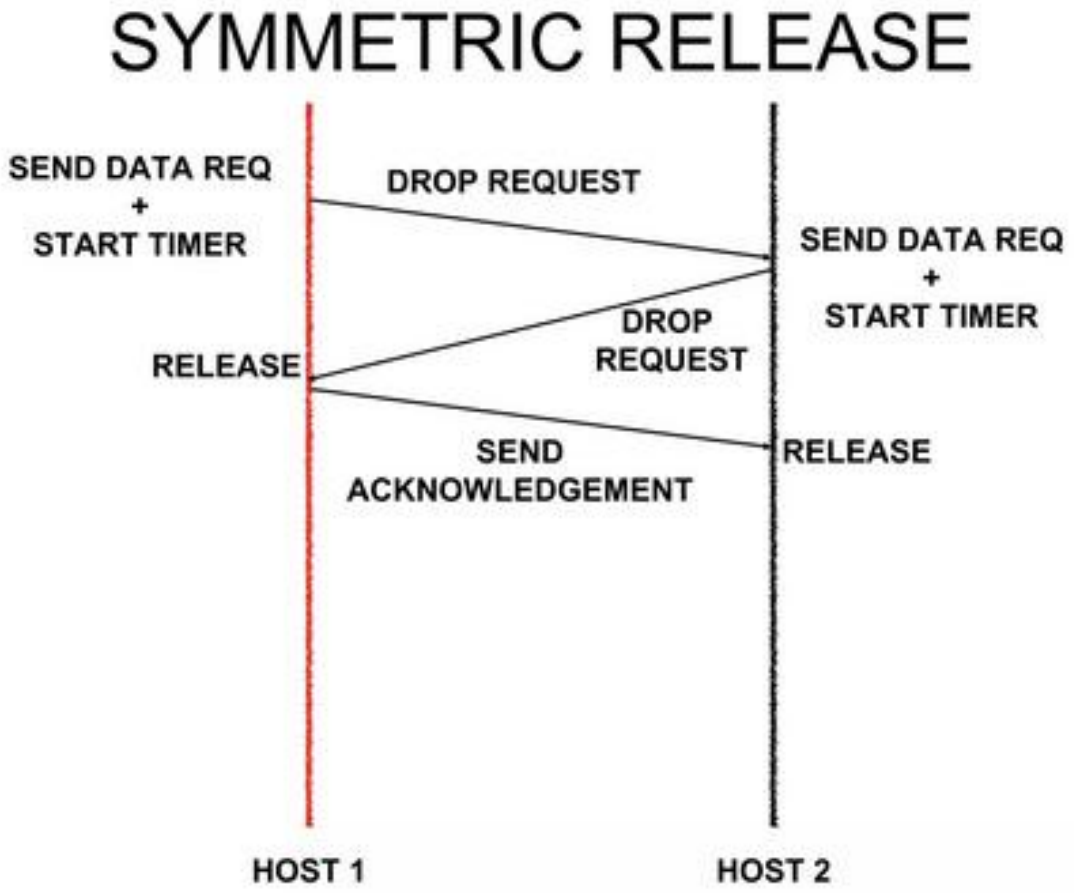
CONNECTION RELEASE

- Disconnection connection between two users.
- Asymmetric Release
- Symmetric Release

ASYMMETRIC RELEASE

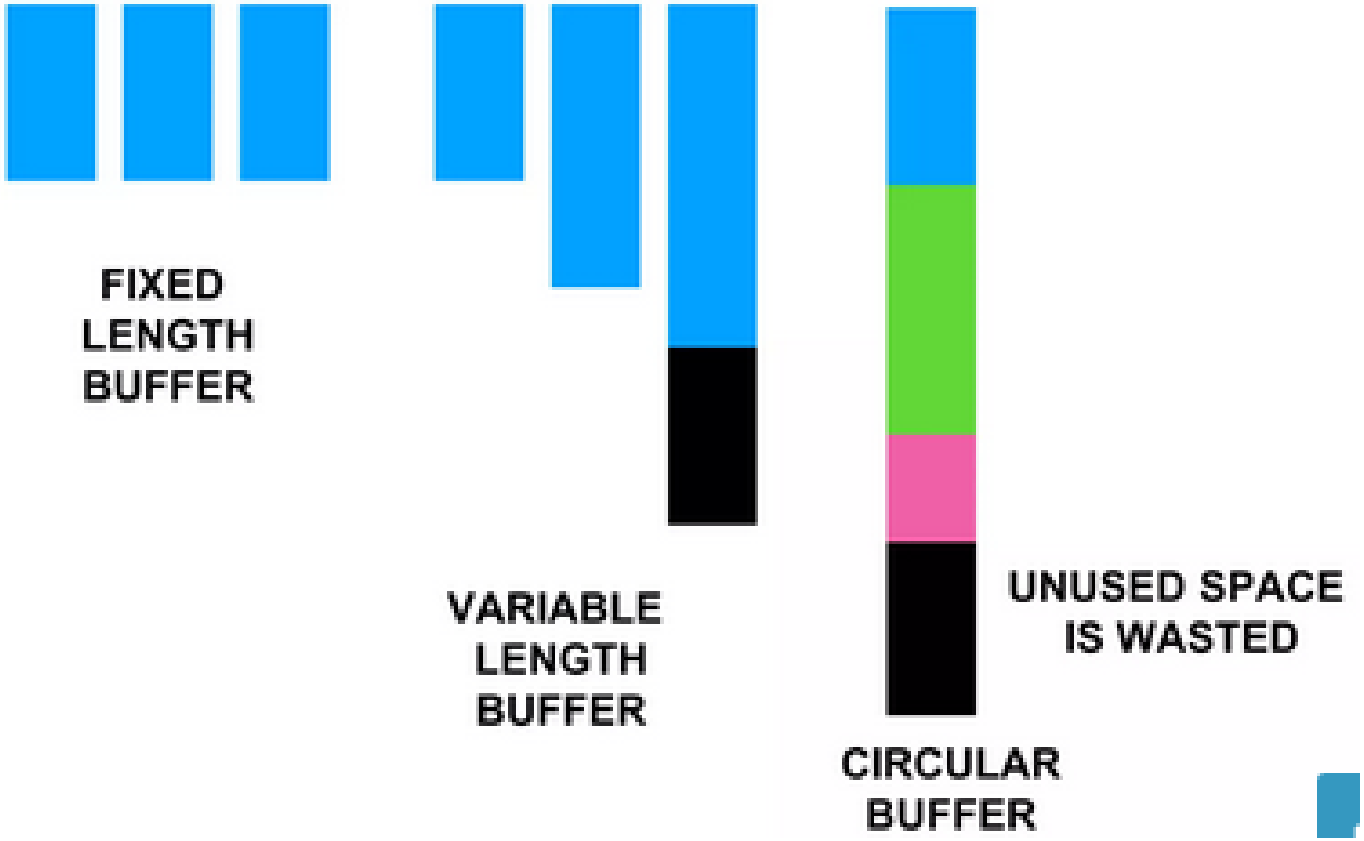


SYMMETRIC RELEASE

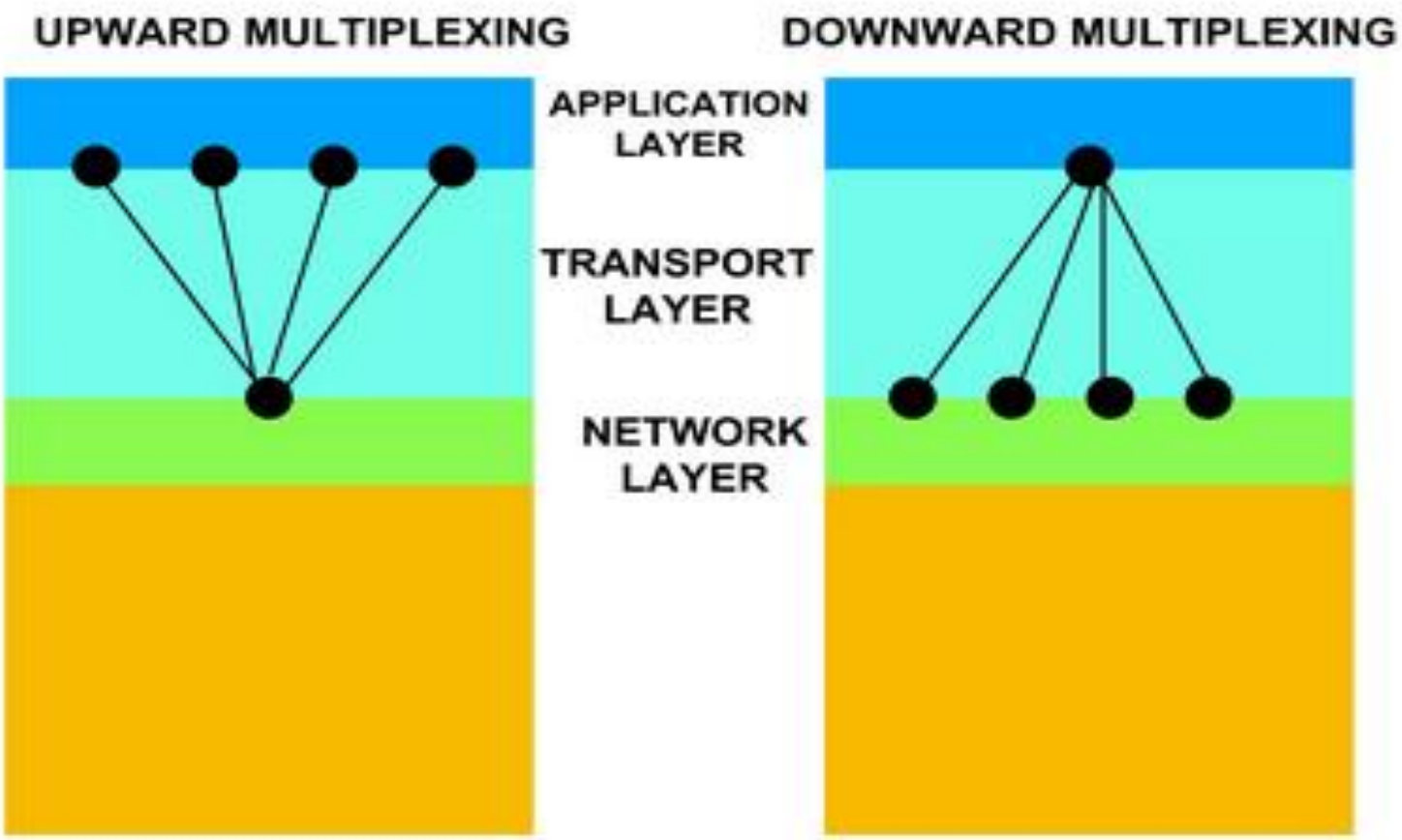


FLOW CONTROL

- To control buffer, Transport Layer manages buffer.



MULTIPLEXING



THANK YOU