Two packets will be sent over the network:

- **Packet 1**: 1500 bytes
  - Segment 1: 1460 bytes
  - TCP segmentation occurs at 1460 bytes
  - Segment 2: 24 bytes

- **Packet 2**: 64 bytes

Request = 1484 bytes, too large for 1 packet

=> TCP segmentation occurs at 1460 bytes and two packets will be sent over the network.