

Why do we have reliability at two layers?

1. The reliability at two layers is different. For Layer2, it is hop-by-hop reliability. As for Layer4, the reliability more focus on end-to-end.
2. At the Layer4, TCP has the advantage of running on top of IP, which allows the routing of packets over multiple hops to reach a final destination,
3. AT the layer2, the protocols only focus on single hops which are related to themselves.
4. Only we both guarantee the reliability on two layers, the internet service is the best.