1. Comparing TCP & UDP

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|  | TCP or UDP | Reasons |
| Reliability and connection establishment | TCP | Reliability is guaranteed and has 3-way handshake |
| Data integrity and ordering | TCP | Ack number bring ordering and retransmission help data integrity |

1. Use cases and performance

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|  | TCP | UDP |
| Use cases | http, file transfers and email | Live Streaming ,dns and dhcp |
| Performance | Slow. Has setup and overhead | Fast, no setup and smaller size |