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| **OSI Model** | | | |
|  | **Data unit** | **Layer** | **Function** |
| **Host layers** | Data | [Application](http://en.wikipedia.org/wiki/Application_layer) | Network process to application |
| [Presentation](http://en.wikipedia.org/wiki/Presentation_layer) | Data representation and encryption |
| [Session](http://en.wikipedia.org/wiki/Session_layer) | Interhost communication |
| Segments | [Transport](http://en.wikipedia.org/wiki/Transport_layer) | End-to-end connections and reliability |
| **Media layers** | Packets | [Network](http://en.wikipedia.org/wiki/Network_layer) | Path determination and logical addressing (IP) |
| Frames | [Data link](http://en.wikipedia.org/wiki/Data_link_layer) | Physical addressing (MAC & LLC) |
| Bits | [Physical](http://en.wikipedia.org/wiki/Physical_layer) | Media, signal and binary transmission |