

Similarities between model

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OSI Model :

Open systems interconnection shortly called OSI model which consists of 7 layers and every layer has a certain function to it. Here these are the layers from which the data is flowed before reaching its destination basically starting from the bottom layer and ending at the top layer when the data is transferred from one location to another location in the globe with the help of networking. These are the layers that are present in the OSI model of networking.

Application Layer

Presentation Layer

Session Layer

Transport Layer

Network Layer

DataLink Layer

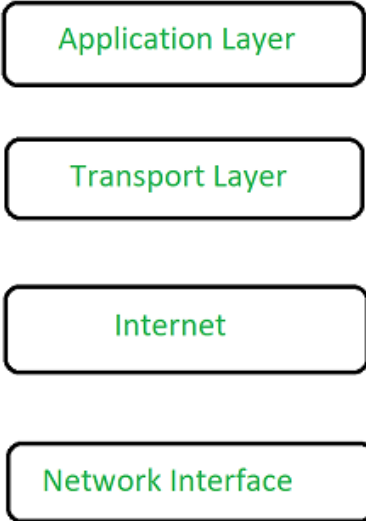
Physical Layer


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and ending at the top layer when the location in the globe with the help present in the TCP/IP model.





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Similarities between TCP/IP model and OSI model :

These are similarities between TCP/IP and OSI models as follows.

S.NO.	Similarities	<u>TCP/IP and OSI Model</u>
1.	Model	Both TCP/IP are logical models.
2.	Structure	Both are arranged as layered wise which is also called an architectural model. These models have a stack of protocols it means the protocol is arranged in every layer. Both the models have some set of protocols.
3.	Networking	Both TCP/IP define standards for networking.
4.	Framework	Both TCP/IP provide a framework for creating and

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- | | | |
|----|-----------------------|--|
| 5. | Communication process | Both TCP/IP and OSI models are designed into making communication between devices and work with the other devices. |
| 6. | Similar components | In Both TCP/IP and OSI models, the devices and work with the other devices. |
| 7. | functionality | In both TCP/IP models, a single layer defines a particular functionality and set standards for that functionality only. |
| 8. | Troubleshooting | Both the TCP/IP models simplifying their troubleshooting process by dividing the layer's complex functions into simpler components of the layer. |
| 9. | Ethernet standards | Instead of defining the already defined standards and protocols in both the TCP/IP models. For example, the Ethernet standards were already defined by IEEE before proceeding to create these models. So instead of defining them again in both the models of IEEE Ethernet standards. |

Conclusion :

In this section, we have covered the overview of OSI and TCP/IP model, and Also you will be able to understand the similarities when both TCP/IP and OSI model of computer networks.



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