

## Topic Page: [TCP/IP](#)

Definition: **TCP/IP** from *Dictionary of Information Science and Technology*

the set of communications protocols that implement the protocol stack on which the Internet and most commercial networks run. The Transmission Control Protocol (TCP) and the Internet Protocol (IP) were also the first two networking protocols defined. (Shah & Carey, 2009)



Summary Article: **TCP/IP**

From *International Encyclopedia of Hospitality Management*

Image from: [A typical mainframe computer room in the era... in Encyclopedia of Computer Science](#)

TCP and IP are protocols governing the handling and the formatting of data in an electronic communications system; they are the main protocols used on the Internet. The messages (files) exchanged over the network are divided into small units (called packets) by TCP, while IP takes care of managing the actual delivery of the data. The routing needed to accomplish this is completely transparent to the user. All is needed in order to access another system is an 'Internet address' (called IP address), a 32-bit number, normally written as 4 decimal numbers. A specific service, called DNS (domain name service), provides a database containing the correspondence between numeric addresses and alphabetic domain names. TCP/IP uses the client/server model of communication in which a computer user (a client) requests and is provided with a service by another computer (a server). This is the case, for example, in which a consumer is asking to view a hotel website. TCP/IP protocols support services such as remote login to a computer, file transfer (FTP), electronic mail and the World Wide Web. In the hospitality industry, beside these applications, many internal networks are using TCP/IP protocols to connect not only computers, but also other electronic equipment.

### References

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- Tanenbaum, A.S. (2003) Computer Networks, 4th edn. Prentice-Hall Upper Saddle River, NJ.

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Baggio, R., & BAGGIO, R. (2010). Tcp/Ip. In A. Pizam (Ed.), *International encyclopedia of hospitality management* (2nd ed.). London, UK: Routledge. Retrieved from [https://search.credoreference.com/content/topic/tcp\\_ip](https://search.credoreference.com/content/topic/tcp_ip)

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## APA

Baggio, R., & BAGGIO, R. (2010). Tcp/lp. In A. Pizam (Ed.), *International encyclopedia of hospitality management* (2nd ed.). London, UK: Routledge. Retrieved from [https://search.credoreference.com/content/topic/tcp\\_ip](https://search.credoreference.com/content/topic/tcp_ip)

## Chicago

Baggio, Rodolfo, and RODOLFO BAGGIO. "Tcp/lp." In *International Encyclopedia of Hospitality Management*, edited by Abraham Pizam. 2nd ed. Routledge, 2010. [https://search.credoreference.com/content/topic/tcp\\_ip](https://search.credoreference.com/content/topic/tcp_ip)

## Harvard

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## MLA

Baggio, Rodolfo, and RODOLFO BAGGIO. "Tcp/lp." *International Encyclopedia of Hospitality Management*, edited by Abraham Pizam, Routledge, 2nd edition, 2010. *Credo Reference*, [https://search.credoreference.com/content/topic/tcp\\_ip](https://search.credoreference.com/content/topic/tcp_ip). Accessed 20 Sep. 2019.