Internet Protocol Security (IPsec)

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Internet Protocol Security (IPsec) is a suite of protocols and algorithms for securing data transmitted over the internet or any public network. The Internet Engineering Task Force, or IETF, developed the IPsec protocols in the mid-1990s to provide security at the IP layer through authentication and encryption of IP network packets.

IPsec originally defined two protocols for securing IP packets: Authentication Header (AH) and Encapsulating Security Payload (ESP). The former provides data integrity and anti-replay services, and the latter encrypts and authenticates data.

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