

Internet Protocol version 4 and 6. Security Challenges

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ABSTRACT

The Internet protocols are the world's most popular open-system) protocol suite because they can be used to communicate across any set of interconnected networks and are equally well suited for LAN and WAN communications. The Internet protocols consist of a suite of communication protocols, of which the two best known are the Transmission Control Protocol (TCP) and the Internet Protocol (IP). With the fast growth of the World Wide Web, it is necessary for us to understand how this service is working and the risks that an internet connected device faces.

The Internet is a vast global system of interconnected technical networks made up of heterogeneous information and communication technologies. It is also a social and economic assemblage that allows diverse forms of communication, creativity, and cultural exchange at a scope and scale unknown before the late twentieth century

Contents

1. Introduction	11
2. Internet Protocols.....	12
3. Internet Protocol v4 and v6	12
4. Common Security Issues	13
5. Conclusion.....	14
6. Reference Text and Citations	14

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