

# Types of Threats and Appropriate Countermeasures for Internet Communications

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## **Abstract**

*Threats can translate into various types of attacks an intruder can take on entities in a network: flooding the target with protocol messages, smurfing (targeted broadcasting of an ICMP protocol-based messaging protocol), distributed attacks that lead to blocking the service for legitimate users, IP address theft and flooding targets with unsolicited emails, identity theft, or fraudulent routing. Against these threats, a variety of security measures can be implemented, such as: configuration management, firewall installation, intrusion detection system installation. Used separately or together, these protection measures can eliminate or even minimize the probability of materializing security threats and preventing attacks on the security features of a system.*

**Index terms:** attacks on the security, security measures

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