Solving flooding and SPIT based Denial of Service Problems in Voice over IP Communications

Mots clés :

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Résumé du projet de recherche (Langue 1)

Voice over IP (VoIP) technology has proven to be an immensely useful technology during the last decade. Not only it provides various services to users (e.g. calls, instant messaging, internet conferencing etc), but it is also in a process of extending services (e.g. fax service). Due to the open environment of packet switched network, the signaling protocols (such as SIP and H.323) and the transport protocols (e.g. RTP and SRTP) used by VoIP, it is prone to unwanted accesses and does not comply with the security standards. VoIP is also prone to adopt threats from TCP/IP and UDP. Our main concern is to overcome the Denial of Service problems in Session Initiation protocol, precisely the flooding problem.