

COOPERATIVE AGENT TEAMWORK IN DEFENSE FROM AVAILABILITY VIOLATION NETWORK ATTACKS

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This paper proposes the approach for the design of cooperative multi-agent defense system aimed to counteract the denial of service attacks. The main idea of this approach is that malefactors and defense systems are represented as the teams of interacting agents. Authors propose the agent-oriented simulation environment for the efficiency checking of models developed. There are given the results of various experiments and analyzed the various parameters of cooperative agent teamwork and their influence on defense effectiveness.