

# **ANALYSIS OF SECURITY POLICY COMPLIANCE IN COMPUTER NETWORKS: PROACTIVE APPROACH**

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The paper considers different aspects of implementing the perspective intelligent system for proactive monitoring of security policy compliance in computer networks. The suggested approach to proactive monitoring is based on the usage of all available knowledge about network and security policy. It is intended for automatic generation of various user actions to prove or disprove security policy compliance. Thus by emulating user actions the proactive monitoring system allows to determine the deviations of computer network behavior from security policy at operation stage. The system architecture and generalized functioning technique are suggested. Proactive monitoring problems and solutions are considered. Suggested approach is implemented as software prototype.