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(57) Abstract :

The present invention is a system (100) designed to audit the security of an SSH service on a computing device. The system includes a protocol server supporting both SSH1 and SSH2, and a processor (104) with instructions stored in memory that enables the device to connect to an SSH server over a network. The system runs tests on a chosen target to detect weaknesses in both the computing device and SSH server, and notifies the relevant parties of any vulnerabilities detected. Information such as an audit trail, date and time of execution, outcome, and IP address are recorded. The system also includes additional modules for cryptography, compatibility, policy checking, and key management to ensure comprehensive security auditing.

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