

Advanced Network Security Implementations

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Abstract: Be it computing or mobile applications development, network security is a big concern to every organization or even personal users that demands advanced network security technology development. Initially the paper focuses on introducing a concept based on the rewiring of bank's authentication by advanced cryptographic implementations followed by ensuring better security mechanisms of our personal information based on 'Databox' and 'Remote Trojan Access' detection by introducing two different techniques which normal firewalls or antiviruses cannot detect easily. As we already know the vastness of network security, research work on this field will further develop newer ideas to detect the vulnerabilities associated and develop advanced technologies.

Keywords—Antivirus, Databox, Firewalls, Remote Trojan Access, Vulnerabilities.