

Study of Multi-Factor Authentication

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Abstract: *One of the most effective ways to ensure secure authentication is to use digital multifactor authentication. The Multi-Factor Authentication method was implemented after many experiments to protect the data by raising its security level to the next level with additional authentication. Various authentication factors have been introduced, which are then linked to direct access. All aspects of modern culture are now rapidly expanding as a result of digitalization. Verification is one of the most powerful empowering factors in breaking the pattern. It includes online payments, organization, access rights management, and other aspects of living in a hyper-connected world. The growing interest in high-security applications has sparked interest in obtaining sensitive information through the use of passwords, tokens, and other methods. Modernized mystery key gathering projects discover quick, obvious, and easy-to-guess passwords such as names and ages easily. Malware is a persistent threat to security and protection, both in terms of quantity and consistency. As data becomes more available, hacking, secret key breaking, and online misrepresentation become less effective. The multi-factor confirmation proposition ensures a higher level of safety by increasing the single verification factor.*

Keywords: Authentication, Multi-Factor Authentication, Sensors, Cryptography, Face recognition, One Time Password (OTP), Password, Biometrics, Token, Verification, Data Protection

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