Problem & Solution

Current multi-factor authentication needs extra interfaces (e.g., phones, fingerprint scanners).

AuthentiKey removes this need by using your keyboard as a biometric interface.

Functionality

1. Authentikey captures the timing of each keystroke
2. Keystrokes are split up into groups of three key presses, releases etc.
3. A profile is generated based on the timings of every group in a user’s passphrase

Security

Replay attacks are prevented by incorporating checks on the data sent by clients.

Security at rest is maintained via Reed–Solomon Coding such that typing data cannot be recovered.

Further security is added through API keys, rate limiting and TLS usage.