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(57) Abstract :

The present invention discloses a system (100) and method (200) for securing sensitive information of a user (102) in a mobile environment. The system (100) includes a data encryption unit (106) configured in a mobile device (104) and enables the mobile device (104) to determine sensitive information stored in the mobile device (104) and encrypt determined sensitive information stored in the mobile device (104) using an encryption technique. Further, the mobile device (104) is configured to validate the identity of the user (102) for accessing sensitive information and transmit and store the encrypted information in a server (110) upon validation of the user. The mobile device (104) is configured to transmit sensitive information to the server (110) through a network (108). The network (108) is configured to use a VPN tunnel and SSL or TLS to ensure that sensitive information is not intercepted by any unauthorized parties during the transmission of data.

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