| Title | A new approach to enhance internet banking security |
| --- | --- |
| Author(s) Name | M. F. Mridha, Kamruddin Nur, A. Saha, and M. A. Adnan |
| Contact Email(s) | kamruddin@aiub.edu |
| Published Journal Name | International Journal of Computer Applications (IJCA) |
| Type of Publication | Journal |
| Volume | 160 | Issue | 8 |
| Publisher | IJCA |
| Publication Date | February 2017 |
| ISSN | 0975-8887 |
| DOI | <https://doi.org/10.5120/ijca2017913093> |
| URL | <https://www.ijcaonline.org/archives/volume160/number8/27097-2017913093> |
| Other Related Info. | Page 35-39 |
|  |

| Abstract |  |
| --- | --- |
| E-Banking in www is growing exponentially, but here consumer authentication, credential conﬁdentiality, transaction information integrity are growing concerns. In this research work emphasize the protection of online banking. At first, E-banking is analyzed for all kinds of vulnerabilities and a practical investigation of all type of attacks is carried out. In this paper, a security-aware architecture is introduced to protect from several attacks. The proposed system has a secure protocol and certificate verification mechanism. The proposed system checks the authenticity of the sender first; then if appropriate, processes the incoming messages and stores them for further processing. This covers everything from phishing site detection to two-factor authentication. Having declared all current schemes for protecting online banking lacking in some way, the key aspects of the problem are identified. This is followed by a proposal for a more robust defense system which uses a small security device to create a trusted path to the customer, rather than depend upon trusting the customer’s computer. This is followed by a description of a demonstration implementation of the system. |