Abstract

This paper presents a review along with the analysis of different types of cyber hacking attacks and proposes a new methodology for reducing the attacks during client-server communication by providing a secure channel. The designed methodology is termed as an "OTBP-Using RRSA" (Operational Technology Based Procedure-using Round Robin Scheduling Algorithm) and its working is based on the time of request entered on the search engine during client-server communication. It may help to provide security by automatic path encryption during request movement towards web server by following auto-generated unique hash address approach. The paper also discusses two different types of path hacking; viz. on-path hacking and off-path hacking by following different mechanisms such as path based authorization; path based traversing and path based access rules etc.

References

- GurpreetK. Juneja, 2013. Ethical hacking: A Technique to enhance information security,
Proposing Operational Technology Based Procedure (OTBP) using Round Robin Scheduling Algorithm (RRSA)

International journal of innovative research in science engg and technology.
- Kumar utkarsh, Dec-2013. System security & ethical hacking, International journal of research in engg and advanced technology.
- White Papers: www. insecure. in/papers. asp.
- Dr R. L Dave & sanjaymaheshwari, Challenges and prospects of ethical hacking, Indore, Madhya Pradesh.
- underurhat. Com/hacking/tutorials/introduction-to-hacking-techniques/.
- Phishing in banks, Images: https://www. google. co. in.
- Images for off path hacking: https://www. google. co. in

Index Terms

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