Abstract

Today’s cyber world is more than the internet. It is interdependent networks containing telecommunication network, embedded system and critical infrastructures. Malicious attacks on critical infrastructure become a major threat to business and government operations. An easy and fast access to network makes business successful and makes sensitive information more vulnerable to cyber thieves. Today’s attacker and hacker is skillful and well equipped with various hacking tools can easily exploit a small vulnerability. Reconnaissance is a first phase of cyber-attack and we will study this phase show effective countermeasures. This paper is about the Cyber Reconnaissance and focused on Port Scanning and OS Fingerprinting attack and proposed some easy to use solutions.

References

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**Index Terms**

Computer Science  
Security

**Keywords**

Cyber Attack  Information Assurance  Information Security  Cyber Reconnaissance