

PHISHING

Phishing is a kind of cyber-crime, wherein, attackers uses phishing(fake) emails to distribute malicious links or attachments that is defined to perform a range of functions, right from stealing the login's credentials, to extraction of account information of user.

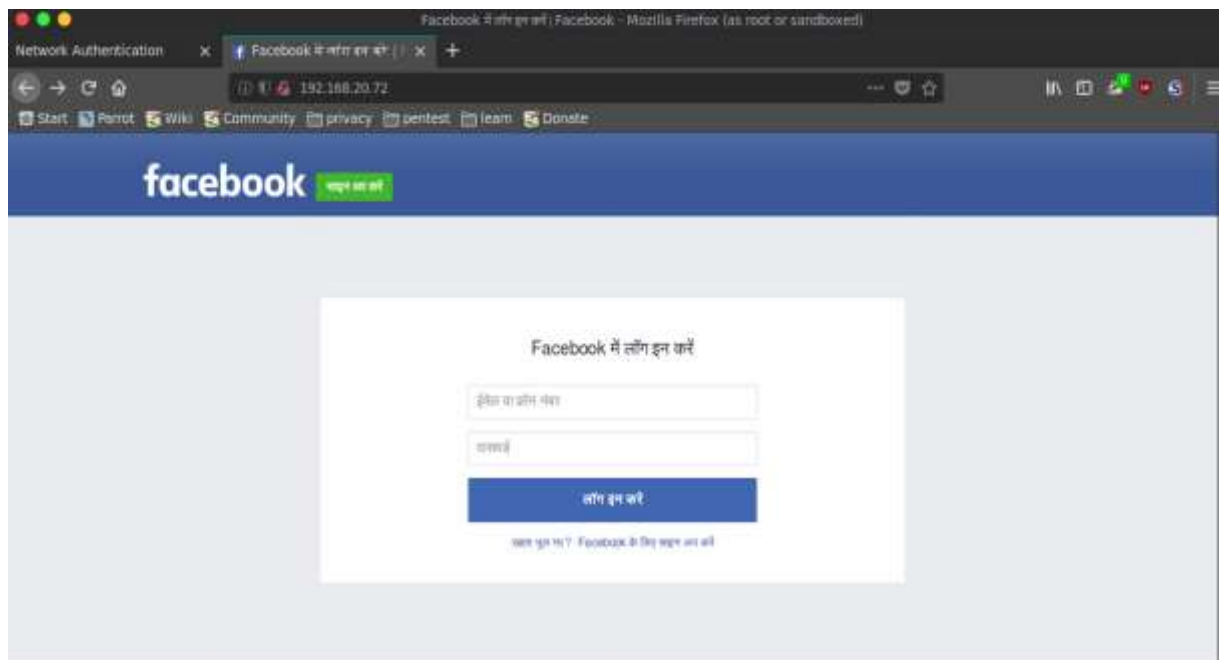
Phishing is quite popular among cyber-attackers, because, it is easier to trick someone into clicking a malicious link in a seemingly legitimate phishing email or leveraging the defences of victim's system.

Countermeasures of Phishing Attacks-

- Phishing scams Alerts, Add-ons/Extension.
- Educating the people about the consequences of Phishing and how to get secure from it.
- Domain-specific passwords should be auto-generated.
- Random passwords are generated and stored in database using Web Browser's PWD Database.
- Use of Virtual keyboards for more security.
- 2FA: A two-way Authentication process.
- TMP Chip: Trusted Computing Mechanisms.
- There could be Encrypted Key Exchange process, which could prevent the dictionary attacks.
- Check for 'https' instead of 'http' in the link.

Fake Phishing Page of Facebook login page-

- Using Social Engineering Toolkit.
- Cloning the Exact website.
- Works on the user-defined IP.
- Login credentials are easily visible either directly on the terminal or in a log file.



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