

Web Security and the OWASP Top 10: The Big Picture

Cross-Site Request Forgery (CSRF)

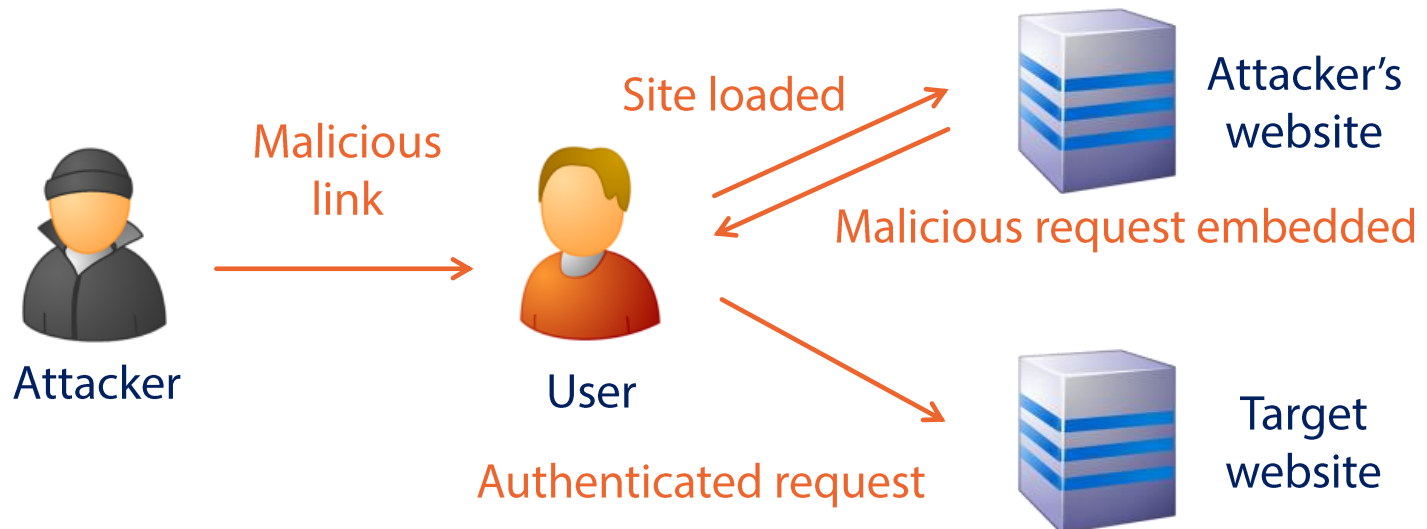
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CSRF Overview

Attack Vectors	Security Weaknesses		Technical Impacts
Exploitability Average	Prevalence Common	Detectability Easy	Impact Moderate



Understanding CSRF



User

Authenticated request to transfer money online

HTTP POST <https://mybank.com/transfer>

Auth-cookie: 87e090ace8...

TargetAccNum: 8781648823

Amount: 1000000.00

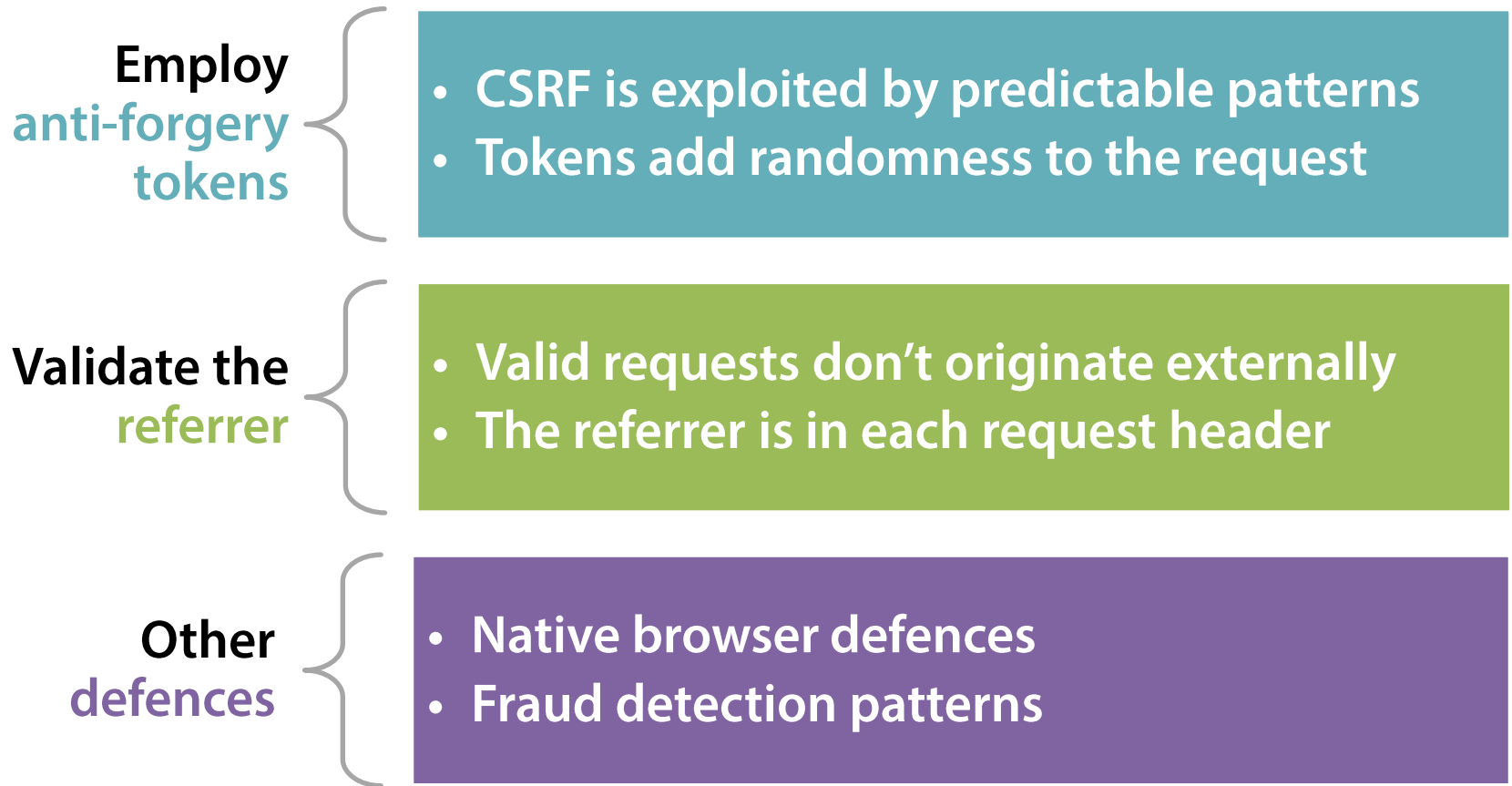


Website



Attacker forges request

Common Defences Against CSRF



CSRF in the Wild – Brazilian Modems

How millions of DSL modems were hacked in Brazil, to pay for Rio prostitutes

by [Graham Cluley](#) on October 1, 2012 | [15 Comments](#)

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So, you think you're doing a pretty good job in terms of computer security on your home PC? You've kept your computer fully patched against the latest vulnerabilities? You've ensured that your PC is running the latest-and-greatest anti-virus updates?

Good for you.

Now, how about your router?

My suspicion is that the typical computer user doesn't give a second thought about whether their router could be harbouring a security threat, imagining that the devices don't need to be treated with suspicion.

But if you think that, you're quite wrong.

Fabio Assolini, a researcher for Kaspersky Labs, gave a fascinating presentation at the Virus Bulletin conference in Dallas last week, describing how more than 4.5 million home DSL routers in Brazil were found to have been silently hacked by cybercriminals last year.