12 Angry Developers
A Qualitative Study on Developers' Struggles with CSP

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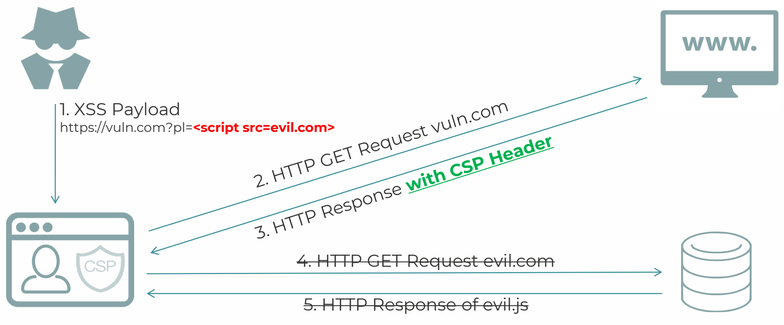
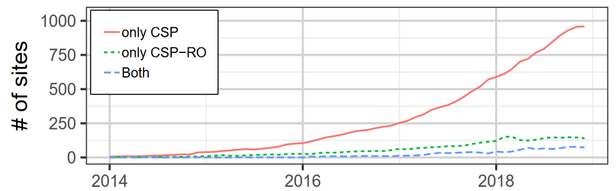
What is a Content Security Policy (CSP)?



XSS is one of the most prevalent issues in the Web[2]
A correct CSP can effectively mitigate the effect of XSS.

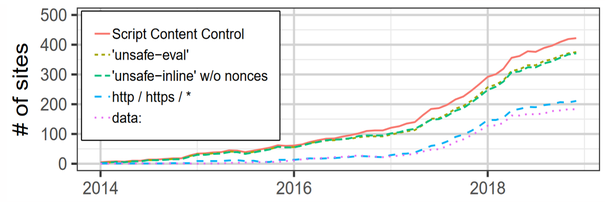
Previous Work on CSP Deployment [3]

Longitudinal evolution of deployment CSPs within the historically Top 10k visited sites:

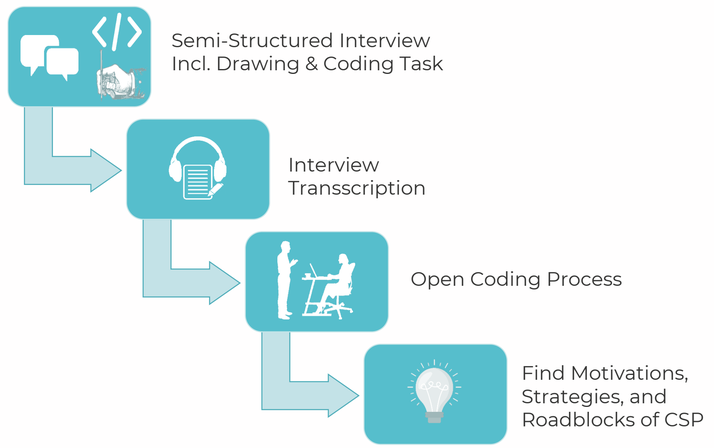


→ Not many sites are deploying a CSP...

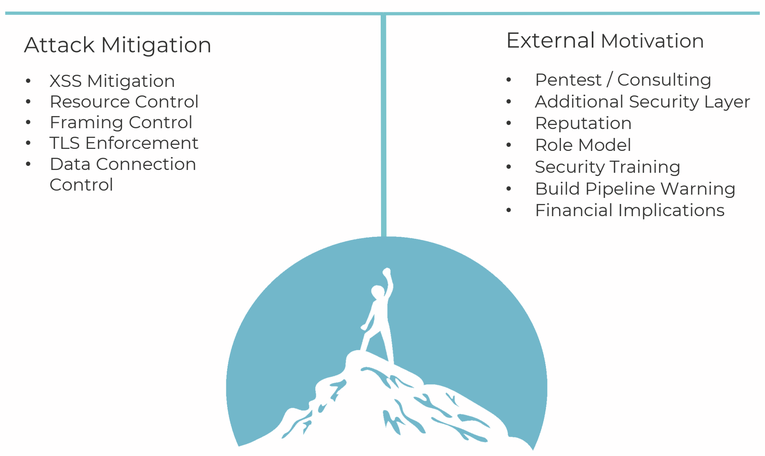
... and those who do, misconfigure it. ←



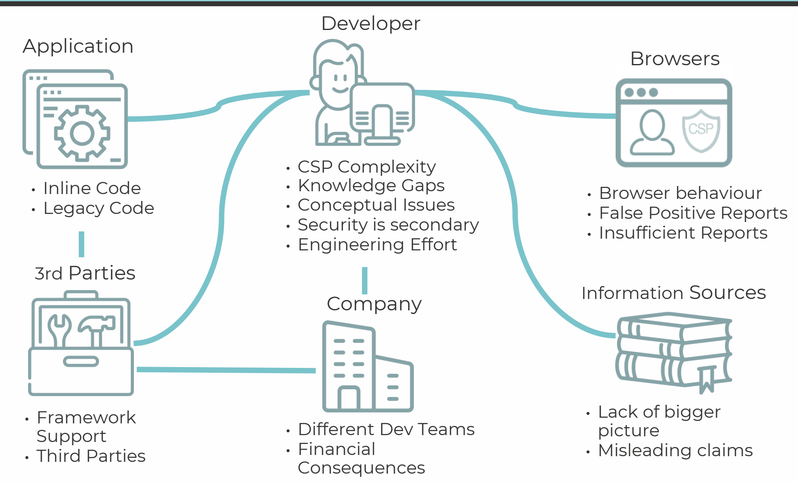
What have we Done? [1]



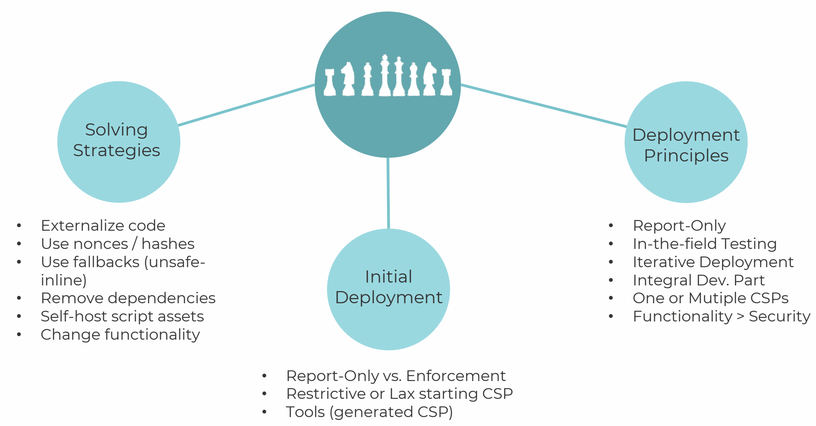
Motivations to deploy CSP



Roadblocks for CSP Deployment



Strategies for CSP Deployment



[1] 12 Angry Developers – A Qualitative Study on Developers' Struggles with CSP
Sebastian Roth, Lea Gröber, Michael Backes, Katharina Krombholz, and Ben Stock
Conference on Computer and Communications Security (CCS '21)

[2] OWASP Top 10 Web Application Security Risks
Online at: https://owasp.org/www-project-top-ten/
Open Web Application Security Project (OWASP)

[3] Complex Security Policy? – A Longitudinal Analysis of Deployed Content Security Policies
Sebastian Roth, Timothy Barron, Stefano Calzavara, Nick Nikiforakis, and Ben Stock
Network and Distributed System Security Symposium (NDSS '20)

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