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Hardening Firefox against Injection Attacks

Register for remote access here:

Thursday March 16, 2023 5:00pm
Myers M137 and Streamed via Teams

https://bit.ly/3Jwkc9S

Today, the vast majority of applications are vulnerable to code injection attacks (XSS). In this talk we will explore techniques that have proven successful to eliminate certain types of code injection attacks within the Firefox codebase. Ultimately, there is no silver bullet that can eliminate all vulnerabilities in applications, but we will examine how using a layered defense strategy allows us to harden Firefox against injection attacks.

About the speaker: Christoph Kerschbaumer has over a decade of experience in Secure Systems Development. His work ranges from designing secure systems with fail safe defaults to fighting cross site scripting as well as preventing man-in-the-middle attacks. Currently he manages the Firefox Security & Privacy Engineering team at Mozilla. He received his PhD in Computer Science from the University of California, Irvine where he based his research on information flow tracking techniques within web browsers. Prior to being a graduate research scholar, he received a M.Sc. and B.Sc. in Computer Science from the Technical University Graz, Austria. Website: https://www.christophkerschbaumer.com/