

Research and development of exploit code for Prototype pollution vulnerability

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Abstract: This topic aims to study and analyze the risk from the Prototype pollution vulnerability in JavaScript applications. Our goal is to identify how to exploit this vulnerability to execute safe and effective exploit code. Thereby, the topic proposes system protection measures and suggests future research directions. The combined theoretical and experimental approach helps ensure the generality of the results.

Keywords: Prototype pollution, JavaScript, exploit code, security, web application