# XSS\_on\_publications.mrc-epid.cam.ac.uk

# Reflected Cross Site Scripting on publications.mrc-epid.cam.ac.uk:

Reflected XSS on <a href="https://publications.mrc-epid.cam.ac.uk/publication?">https://publications.mrc-epid.cam.ac.uk/publication?</a>
<a href="mailto:journal=591&year=2019&study=4&programme=3&author=6917&keyword=payload-position">https://publications.mrc-epid.cam.ac.uk/publication?</a>
<a href="mailto:journal=591&year=2019&study=4&programme=3&author=6917&keyword=payload-position">https://publications.mrc-epid.cam.ac.uk/publication?</a>

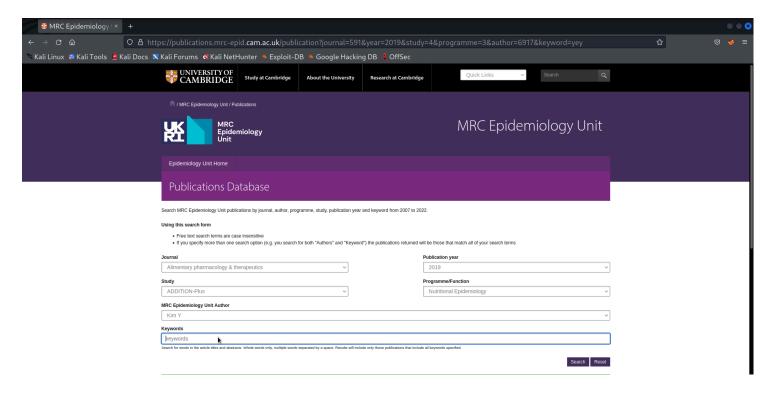
endpoint which allows an attacker to inject browser executable code with single HTTP response. When a web application is vulnerable to this type of attack, it will pass unvalidated input sent through requests back to the client.

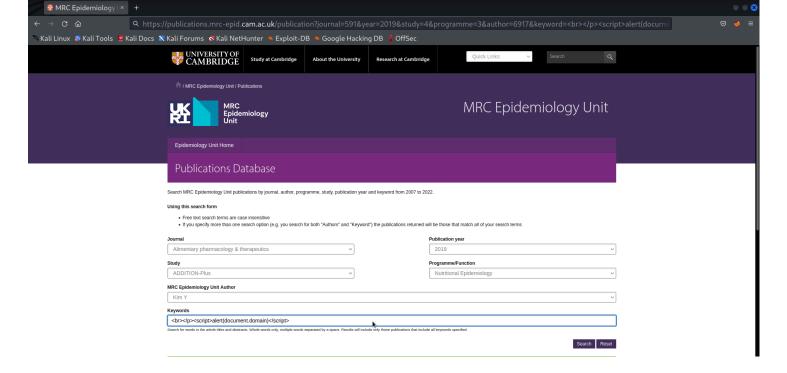
#### **Summery:**

The <a href="https://publications.mrc-epid.cam.ac.uk/publication?">https://publications.mrc-epid.cam.ac.uk/publication?</a>
<a href="journal=591&year=2019&study=4&programme=3&author=6917&keyword=payload-position">https://publications.governal=591&year=2019&study=4&programme=3&author=6917&keyword=payload-position</a>
<a href="mailto:endpoint-takes-any-query-string-and-if-the-string-contents-any-javaScript-takes-any-guery-string-and-if-takes-any-guery-string-any

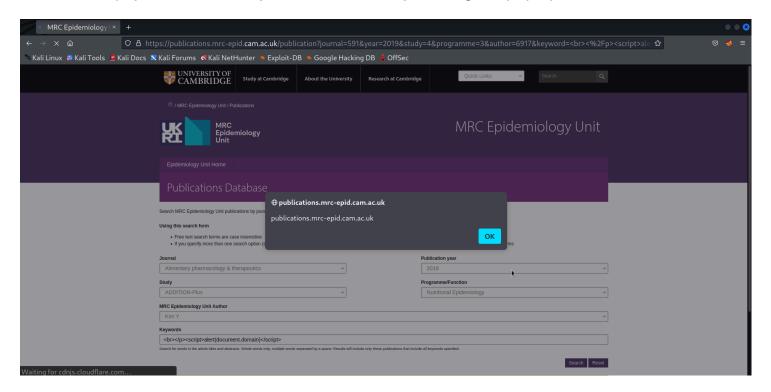
### **Steps To Reproduce:**

- 1. Go to this endpoint: <a href="https://publications.mrc-epid.cam.ac.uk/publication?">https://publications.mrc-epid.cam.ac.uk/publication?</a>
  <a href="mailto:journal=591&year=2019&study=4&programme=3&author=6917&keyword=payload-position">journal=591&year=2019&study=4&programme=3&author=6917&keyword=payload-position</a>
- 2. Go to the keyword bar and paste the below payload.





4. Paste the payload into the keyword section and you will get a pop up/alert.



#### Impact:

- Arbitrary requests An attacker can use XSS to send requests that appear to be from the victim to the web server.
- Malware download XSS can prompt the user to download malware. Since the prompt looks like a legitimate request from the site, the user may be more likely to trust the request and actually install the malware.
- Defacement attacker can deface the website using JavaScript code.

## **Mitigation:**

