


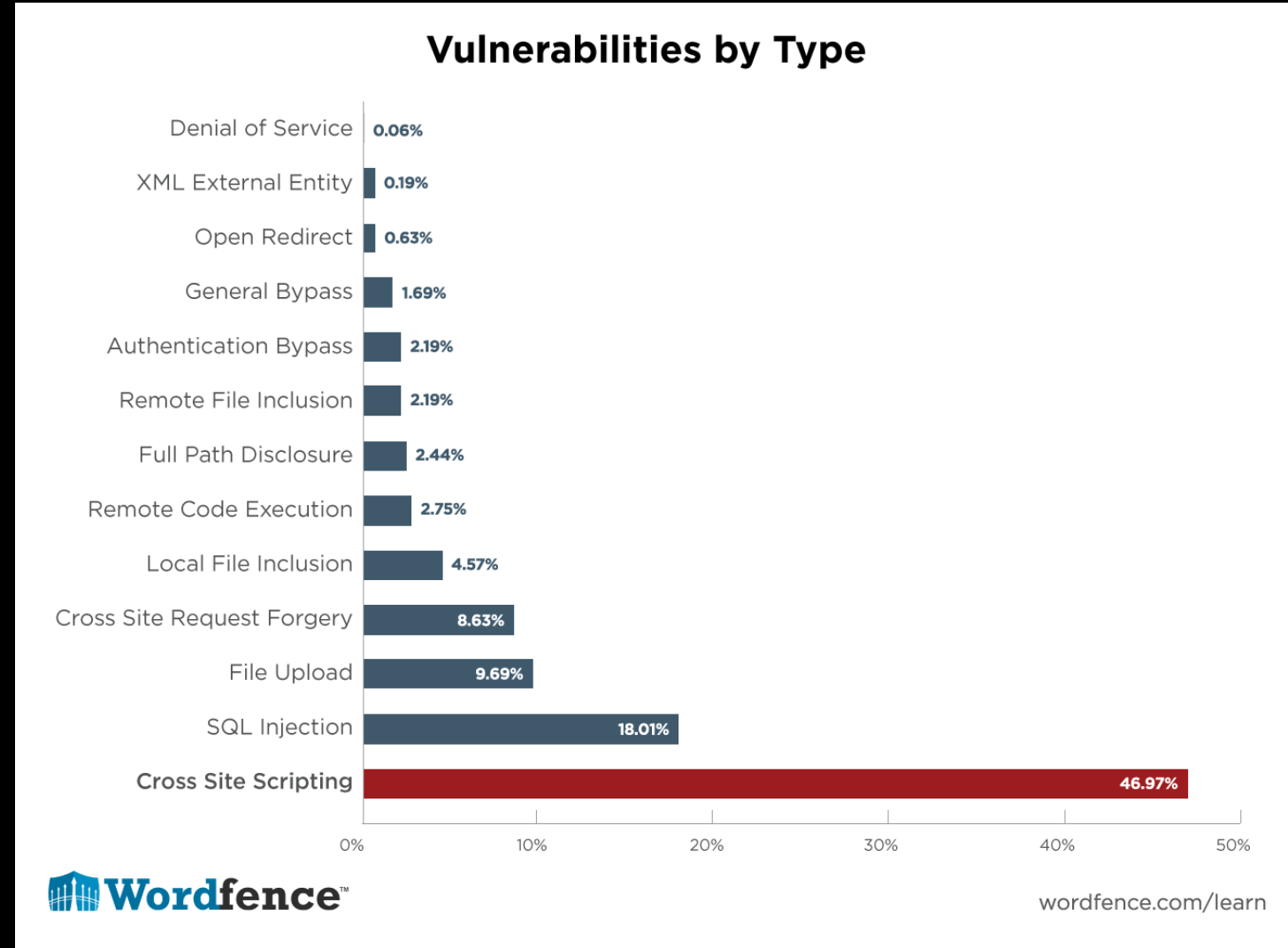
XSS Attacks

A webapp nightmare

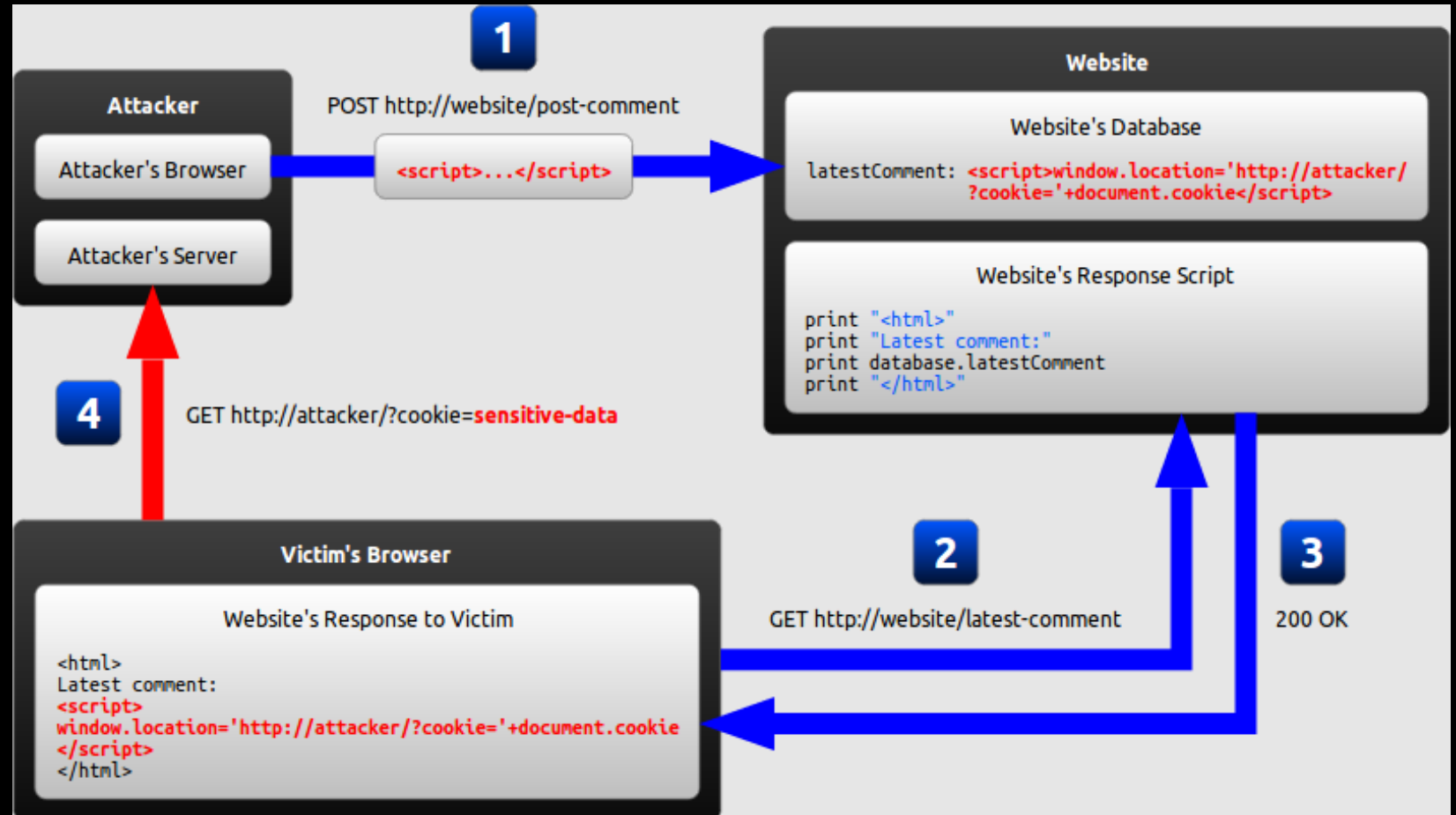


In 2007 more than 87% of
the web security
vulnerabilities were cross-
site scripting flaws

A diagram that shows the different vulnerabilities in 2017



How it works



Sanitization

Why Can't I Just HTML Entity Encode Untrusted Data?

Rule of thumb

- Never Insert Untrusted Data Except in Allowed Locations

Sanitization

Rule #1 – HTML Escape Before Inserting Untrusted Data into HTML Element Content

Rule #2 -Attribute Escape Before Inserting Untrusted Data into HTML Common Attributes

Sanitization

Rule #3 – JavaScript Escape Before Inserting Untrusted Data into JavaScript Data Values

Rule #4 -CSS Escape And Strictly Validate Before Inserting Untrusted Data into HTML Style Property Values

Sanitization

Rule #5 -URL Escape Before Inserting
Untrusted Data into HTML URL
Parameter Values