

## Security Knowledge

- There are a set of sources that provide updated information about security vulnerabilities
  - CVE, Common Vulnerabilities and Exposures
  - CWE, Common Weakness Enumeration
  - CAPEC, Common Attack Pattern Enumeration and Classification
  - ...



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Description							
A local file disclosure flaw w	vas found in Elastic Code vers the Kibana instance running				tory is imported into	Code it is possible to read	d arbitrary files
References							
Note: References are provided	I for the convenience of the read	er to help distinguish	between vulnerabilit	ties. The list is not int	tended to be complete	6.	
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Weakness ID: 79 Abstraction: Base Structure: Simole						Status: Stable
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* Description						
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✓ Extended Description						
Cross-site scripting (XSS) vulnerabilities 1. Untrusted data enters a web z 2. The web application dynamica 3. During page generation, the a JavaScript, HTML tags, HTML attr 4. A victim visits the generated v 5. Since the script comes from a the web server's domain. 6. This effectively violates the init	application, typically from a v illy generates a web page the upplication does not prevent t ributes, mouse events, Flash web page through a web brow web page that was sent by 1 tention of the web browser's	at contains this unt the data from cont , ActiveX, etc. wser, which contain the web server, the	aining content that is malicious script to victim's web brows	nat was injec er executes	ted using the un the malicious scr	rusted data. ipt in the context of
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There are three main kinds of XSS:						
	en an attacker causes a victir by the web browser. The mo e-mailed directly to the victin	n to supply danger st common mecha n. URLs constructe	ous content to a vu hism for delivering d in this manner co	Inerable web nalicious con nstitute the c	application, whi itent is to include ore of many phis	h is then reflected It as a parameter in hing schemes,

## CAPEC – Common Attack Pattern Enumeration and Classification

- CAPEC helps by providing a comprehensive dictionary of known patterns of attack employed by adversaries to exploit known weaknesses in cyber-enabled capabilities.
- Understanding how the adversary operates is essential to effective cyber security.
- It can be used by analysts, developers, testers, and educators to advance community understanding and enhance defenses.

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different techniques used to attack a system. They do not, however, represent the conseq	by employed when exploiting a vulnerability. The categories that are members of this view represent the uences or goals of the attacks. There exists the potential for some tack patterns to align with more than that attack patterns as presented within each category use a technique not sometimes, but without
✓ Relationships	
	t different levels of abstraction. At the highest level, categories exist to group patterns that share a a decidedly abstract characterization of a methodology or technique. Below these are standard and
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