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Expert advice. Experience advantage. Proactive Security Solutions Through Cutting-Edge Research.

OWASP TOP 10: #9 Using Vulnerable Components By @isaacsabas



We are a Security-as-a-Service company

Expert advice. Experience advantage. Proactive Security Solutions Through Cutting-Edge Research. www.pandoralabs.net Providing businesses with on-demand IT security controls for them to meet their 24x7 security strategies & requirements.

We Make IT Secure



Who we are. Why we exist.



# Open Web Application Security Project



OWASP Top 10 – Sensitive Data Exposure

A1: Injection	A2: Broken Authentication and Session Management	A3: Cross-Site Scripting (XSS)	A4: Insecure Direct Object References
A5: Security Misconfiguration	A6: Sensitive Data Exposure	A7: Missing Function Level Access Controls	A8: Cross Site Request Forgery (CSRF)
	A9: Using Components with Known Vulnerabilities	A10: Unvalidated Redirects and Forwards	



OWASP Top 10 – Sensitive Data Exposure

## OWASP #9 Using Vulnerable Components

**OWASP Top 10 Vulnerabilities** 



### Weakness in a web application due to the inherited vulnerabilities from plugins that are installed to the web application.

#### Using Vulnerable Components What is it?



#### Samples

- Magento Magmi Plugin Local File Inclusion Vulnerability
  - https://www.pandoralabs.net/webranger/magento-magmi-plugin-local-fileinclusion-vulnerability/
- Joomla HD FLV Player File and Command Injection
  - https://www.pandoralabs.net/webranger/joomla-plugin-vulnerability-hd-flvplayer-exploit/
- WordPress Ecommerce Shop Styling Plugin File Injection
  - https://www.pandoralabs.net/webranger/wordpress-plugin-e-commerceshop-styling-v2-4-vulnerability/

#### How is this vulnerability exploited?

- 1. All software (which includes plugins) have bugs or flaws.
- 2. Some or certain open source or free plugins may be old/outdated.
- 3. The supporter or community may not be maintaining the plugin for quite some time.
- 4. Because there is lack of support, vulnerabilities may not be patched.

#### What are the Risks When Exploited?

• Depending on the vulnerability found in the used plugin, impact may vary



#### How do I Prevent Such Vulnerability?

- Always used a widely used and supported plugin
- Use plugins that has a large community or commercial capacity to maintain and support it
- Keep your plugins/components updated regularly

## TIME FOR Q&A

**OWASP Top 10 – Using Vulnerable Components** 



## OWASP #9 Using Vulnerable Components

**OWASP Top 10 Vulnerabilities** 



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