

OWASP 2017 and 2021 TOP 10 CATEGORIES | MAPPED TO CODESONAR® 7.2



INTRODUCTION

Since 2001, the Open Web Application Security Project (OWASP) has been providing a top ten list of the most critical coding and security flaws in Web development.

This list is popularly recognized as a security standard for all Web development.

For more information on OWASP:

<https://owasp.org/>

The following table shows the CodeSonar warning classes that are associated with OWASP categories.

Note close and broad mappings are identical, thus only one chart below to reflect both close and broad mapping.

C# and Java classes are tagged. All other classes are C/C++.

Rule	Rule Name	Supported
OWASP-2017:A1	Injection	Yes
OWASP-2017:A2	Broken authentication	Yes
OWASP-2017:A3	Sensitive data exposure	Yes
OWASP-2017:A4	XML external entities	Yes
OWASP-2017:A5	Broken access control	Yes
OWASP-2017:A6	Security misconfiguration	Yes
OWASP-2017:A7	Cross site scripting (XSS)	Yes
OWASP-2017:A8	Insecure deserialization	Yes
OWASP-2017:A9	Using components with known vulnerabilities	Yes
OWASP-2017:A10	Insufficient logging and monitoring	Yes

Rule	Rule Name	Supported
OWASP-2021:A1	Broken access control	Yes
OWASP-2021:A2	Cryptographic failures	Yes
OWASP-2021:A3	Injection	Yes
OWASP-2021:A4	Insecure design	No
OWASP-2021:A5	Security misconfiguration	Yes
OWASP-2021:A6	Vulnerable and outdated components	Yes
OWASP-2021:A7	Identification and authorization failures	Yes
OWASP-2021:A8	Software and data integrity failures	Yes
OWASP-2021:A9	Security logging and monitoring failures	Yes
OWASP-2021:A10	Server-side request forgery	No

GammaTech is a leading global provider of application testing (AST) solutions used by the world's most security conscious organizations to detect, measure, analyze and resolve vulnerabilities for software they develop or use. The company is also a trusted cybersecurity and artificial intelligence research partner for the nation's civil, defense, and intelligence agencies.

CodeSonar and CodeSentry are registered trademarks of GammaTech, Inc.
© GammaTech, Inc. All rights reserved.