

CWE/SANS Top 25		Releases			
		2019	2020	2021	2022
787	Out of Bounds Write	12	2	1	1
79	Improper Neutralization of Input During Web Page Generation ('Cross Site Scripting')	2	1	2	2
89	Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')	6	6	6	3
20	Improper Input Validation	3	3	4	4
125	Out of Bounds Read	5	4	3	5
78	Improper Neutralization of Special Elements used in OS Command ('OS Command Injection')	11	10	5	6
416	Use After Free	7	8	7	7
22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')	10	12	8	8
352	Cross-Site Request Forgery (CSRF)	9	9	9	9
434	Unrestricted Upload of File with Dangerous Type	16	15	10	10
476	NULL Pointer Dereference	14	13	15	11
502	Deserialization of Untrusted Data	23	21	13	12
190	Integer Overflow or Wraparound	8	11	12	13
287	Improper Authentication	13	14	14	14
798	Use of Hard-coded Credentials	19	20	16	15
862	Missing Authorization	34	25	18	16
77	Improper Neutralization of Special Elements used in a Command ('Command Injection')	×	31	25	17
306	Missing Authentication for Critical Function	36	24	11	18
119	Improper Restriction of Operations within the Bounds of a Memory Buffer	1	5	17	19
276	Incorrect Default Permissions	×	41	19	20
918	Server-Side Request Forgery (SSRF)	30	27	24	21
362	Concurrent Execution using Shared Resource with Improper Synchronization ('Race Condition')	29	34	33	22
400	Uncontrolled Resource Consumption	20	23	27	23
611	Improper Restriction of XML External Entity Reference	17	19	23	24
94	Improper Control of Generation of Code ('Code Injection') (2019)	18	17	28	25

CWE/SANS Top 25 ("On the Cusp")		Releases			
		2019	2020	2021	2022
295	Improper Certificate Validation	25	28	26	26
427	Uncontrolled Search Path Element	×	58	34	27
863	Incorrect Authorization	33	29	38	28
269	Improper Privilege Management	24	22	29	29
732	Incorrect Permission Assignment for Critical Resource	15	16	22	30
843	Access of Resource Using Incompatible Type ('Type Confusion')	×	45	36	31
668	Exposure of Resource to Wrong Sphere	×	×	53	32
200	Exposure of Sensitive Information to an Unauthorized Actor <sup>1</sup>	4	7	20	33
1321	Improperly Controlled Modification of Object Prototype Attributes ('Prototype Pollution')	×	×	×	34
601	URL Redirection to an Untrusted Site ('Open Redirect')	32	35	37	35
401	Missing Release of Memory after Effective Lifetime	×	32	32	36
59	Improper Link Resolution Before File Access ('Link Following')	×	40	31	37
522	Insufficiently Protected Credentials	27	18	21	38
319	Cleartext Transmission of Sensitive Information	×	42	35	39
312	Cleartext Storage of Sensitive Information	×	×	41	40

CWE/SANS Top 25 (40+ 2022)		Releases			
		2019	2020	2021	2022
532	Insertion of Sensitive Information into Log File	35	33	39	49
770	Allocation of Resources without Limits or Throttling	39	39	40	42
917	Improper Neutralization of Special Elements used in an Expression Language Statement ('Expression Language Injection')	×	47	30	55

<sup>1</sup> Renamed from "Information Exposure" on 24<sup>th</sup> February 2020.

CWE/SANS Top 25 (Including Highest-Ranking Classes)		Releases			
		2019	2020	2021	2022
400	Uncontrolled Resource Consumption	20	23	27	×
426	Untrusted Search Path	22	26	×	×
284	Improper Access Control	×	30	×	×
835	Loop with Unreachable Exit Condition ('Infinite Loop')	26	36	×	×
704	Incorrect Type Conversion or Cast	28	37	×	×
415	Double Free	31	38	×	×
772	Missing Release of Resource after Effective Lifetime	21	×	×	×
384	Session Fixation	37	×	×	×
326	Inadequate Encryption Strength	38	×	×	×
617	Reachable Assertion	40	×	×	×