



CVE-2020-15888

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Summary

CVE	CVE-2020-15888
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-07-21 22:15:00 UTC
Updated	2023-05-16 22:31:00 UTC
Description	Lua through 5.4.0 mishandles the interaction between stack resizes and garbage collection, leading to a heap-based buffer

Risk And Classification

Problem Types: CWE-125 | CWE-787 | CWE-416

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Lua	Lua	5.4.0	-	All	All
Application	Lua	Lua	All	All	All	All

References

Reference	Source	Link	Tags
Heap overflow in luaH_get	MISC	lua-users.org	Exploit, Mailing List, Third Party Advis
heap-buffer-overflow in luaD_pretailcall	MISC	lua-users.org	Exploit, Mailing List, Third Party Advis
Keep minimum size when shrinking a stack · lua/lua@6298903 · GitHub	MISC	github.com	Patch, Third Party Advisory
Heap overflow in luaT_adjustvarargs	MISC	lua-users.org	Exploit, Mailing List, Third Party Advis
Fixed bugs of stack reallocation x GC · lua/lua@eb41999 · GitHub	MISC	github.com	Patch, Third Party Advisory
Heap use after free in luaD_call	MISC	lua-users.org	Exploit, Mailing List, Third Party Advis
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[296071](#) Oracle Solaris 11.4 Support Repository Update (SRU) 27.82.1 Missing (CPUOCT2020)

[900048](#) CBL-Mariner Linux Security Update for lua 5.3.5

[901479](#) Common Base Linux Mariner (CBL-Mariner) Security Update for lua (6670-1)

[903157](#) Common Base Linux Mariner (CBL-Mariner) Security Update for lua (2657)

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