DOD VULNERABILITY DISCLOSURE PROGRAM
BUG BYTES JULY 2022

41,827
VULNERABILITIES SINCE LAUNCH
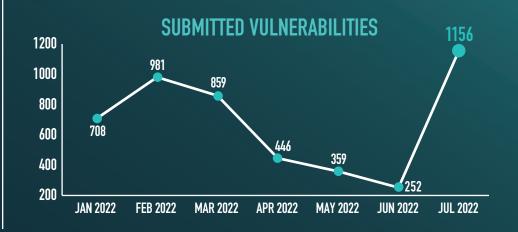
3,600
RESEARCHERS SINCE LAUNCH
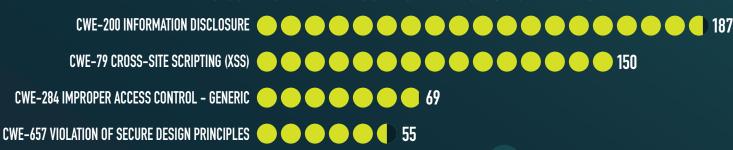
24,214
ACTIONABLE REPORTS PROCESSED

SEVERITY FOR THE MONTH

35% **20%** **15%** **30%**

● CRITICAL / HIGH ● MEDIUM ● LOW ● UNACTIONABLE

ACTIONABLE

SUBMITTED VULNERABILITIES

Month	Value
JAN 2022	708
FEB 2022	981
MAR 2022	859
APR 2022	446
MAY 2022	359
JUN 2022	252
JUL 2022	1156

LEADING COMMON WEAKNESS ENUMERATION'S FOR THE MONTH

CWE-200 INFORMATION DISCLOSURE — 187

CWE-79 CROSS-SITE SCRIPTING (XSS) — 150

CWE-284 IMPROPER ACCESS CONTROL - GENERIC — 69

CWE-657 VIOLATION OF SECURE DESIGN PRINCIPLES — 55

KNOWLEDGE BYTE

In July 2022, the DoD VDP received a critical submission promoting an RCE vulnerability located in Oracle Fusion Middleware versions 12.2.1.3 and 12.2.1.4 (CVE-2022-21445). The exploitation focuses on the deserialization of untrusted data targeting Oracle's ADF Faces component. Using this deserialization exploit, an attacker can execute remote commands resulting in a complete takeover of Oracle JDeveloper functions. The vulnerability can also be chained with CVE-2022-21497 resulting in pre-authentication code execution and full compromise of Oracle Access Manager. System owners are recommended to refer to Oracle's April 2022 Critical Patch Update for affected products and appropriate fix actions. See the following for more information: https://nvd.nist.gov/vuln/detail/CVE-2022-21445
https://www.oracle.com/security-alerts/cpuapr2022.html
https://iavm.csd.disa.mil/iavm-notice-html/144056

RESEARCHER OF THE MONTH

The DoD VDP Researcher of the Month for July 2022 is **Hachiman_Xienim**! They submitted two critical reports on Apache Log4J vulnerabilities for two DoD assets that could lead to RCE with CVE-2021-45105. Thank you very much! VDP Hackers for the win!

DC3
DOD CYBER CRIME CENTER