DOD VULNERABILITY DISCLOSURE PROGRAM
BUG BYTES MAY 2023
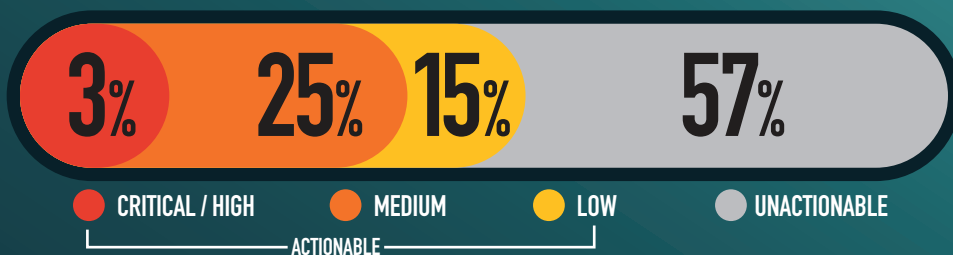
46,786
VULNERABILITIES SINCE LAUNCH

4,860
RESEARCHERS SINCE LAUNCH
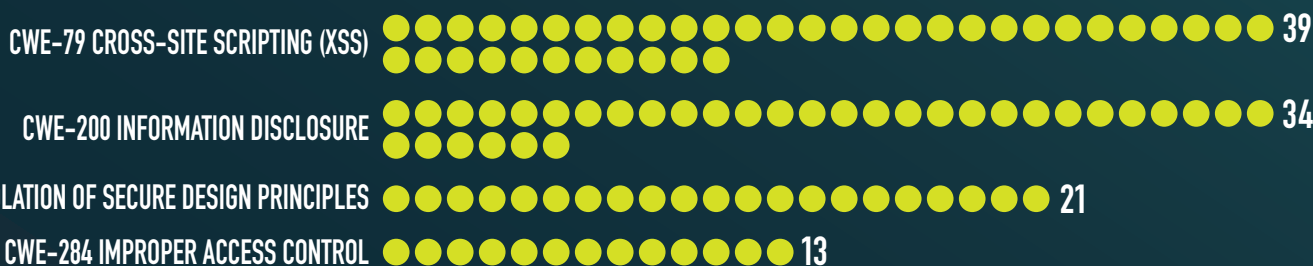
26,650
ACTIONABLE REPORTS PROCESSED

SEVERITY FOR THE MONTH

3% **25%** **15%** **57%**

● CRITICAL / HIGH ● MEDIUM ● LOW ● UNACTIONABLE

ACTIONABLE

SUBMITTED VULNERABILITIES

	NOV 2022	DEC 2022	JAN 2023	FEB 2023	MAR 2023	APR 2023	MAY 2023
Value	282	470	486	429	382	323	201

LEADING COMMON WEAKNESS ENUMERATION'S FOR THE MONTH

CWE-79 CROSS-SITE SCRIPTING (XSS) — 39

CWE-200 INFORMATION DISCLOSURE — 34

CWE-657 VIOLATION OF SECURE DESIGN PRINCIPLES — 21

CWE-284 IMPROPER ACCESS CONTROL — 13

KNOWLEDGE BYTE

In May 2023, the DoD VDP received critical submissions allowing a researcher to obtain full administrative control of web applications within Oracle APEX. Oracle APEX is a platform that allows for the prototyping and development of web applications that rely on backend databases. The researcher was able to bypass authentication mechanisms within Oracle APEX allowing access to manage users, control application publications, and upload files. It is recommended that developers utilizing the Oracle APEX platform adhere to best security practices when creating applications. See the following for more information: https://docs.oracle.com/database/apex-18.1/HTMDB/managing-application-security.htm#HTMDB12000 & https://cheatsheetseries.owasp.org/cheatsheets/Authentication_Cheat_Sheet.html & https://portswigger.net/web-security/access-control

RESEARCHER OF THE MONTH

The DoD VDP Researcher of the Month for May 2023 is **@Verhelle_Nick**! They submitted several critical reports for unauthorized administrator access on a DOD asset; if left unaddressed, this would result in the acquisition of administrator privileges and roles that pose a significant threat to the security of the website. Thank you very much! VDP Hackers for the win!

DC3 DOD CYBER CRIME CENTER