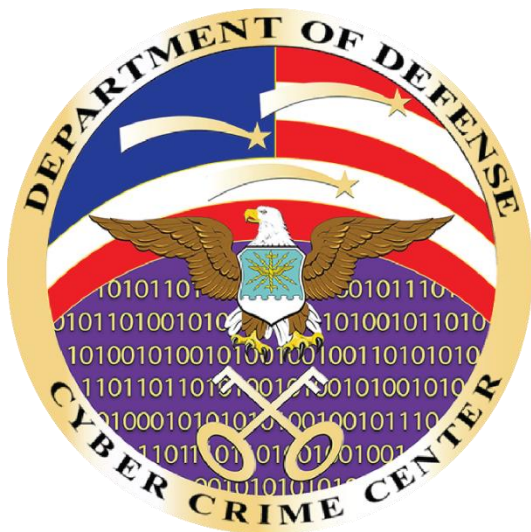




DIB-VDP Pilot Industry Day



Kristopher Johnson
Director, DoD VDP
12 FEB 2021



@DC3VDP



Agenda



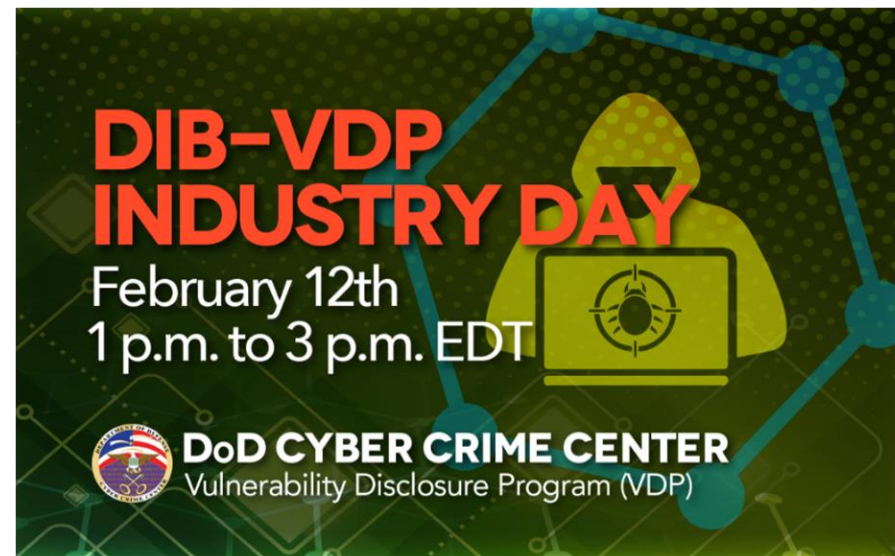
1300-1330: DIB-VDP Pilot 101

1330-1400: Operations Overview

1400-1430: Technical Overview

1430-1445: Onboarding

1445-1500: Q&A





What is a VDP

■ White Hat Vulnerability Discovery

■ Three major components

- A **policy** which provides clear guidelines for conducting crowdsourced vulnerability discovery activities directed at your Information Systems
- A secure and protected **channel** for white hat security researchers to report issues with the promise of safe harbor
- An internal **process** for validating, triaging, and remediating vulnerabilities in an appropriate and timely manner



■ What a VDP isn't

- Bug Bounty event
- Red team
- Incident Response





Benefits of a VDP



■ Hacker-Powered Security

- An additional layer to an organization's cyber defense-in-depth strategy
- Thousands of ethical hackers in our formation

■ Reduce Your Attack Surface

- Discover vulnerabilities that already exist on your networks
- Canary in the Coal mine keeps you left-of-boom

■ Zero Cost of Entry

- Utilize the DoD's existing resources
- Integration into existing processes

■ Adversary Emulation

- Ethical hackers use same TTPs
- A well trained and equipped force



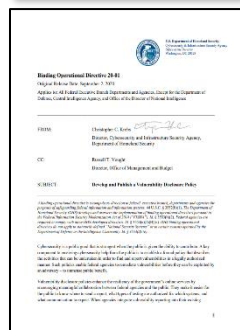


VDP in Government



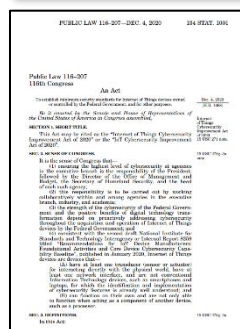
OMB Memorandum M-20-32

"VDPs are among the most effective methods for obtaining new insights regarding security vulnerability information and provide high return on investment."



DHS CISA BOD 20-01

"At 2 years after the issuance of this directive, all internet-accessible systems or services must be in scope of the policy."



IoT Cybersecurity Improvement Act of 2020

"a contractor, or any subcontractor thereof at any tier, providing an information system (including Internet of Things device) to the Federal Government."



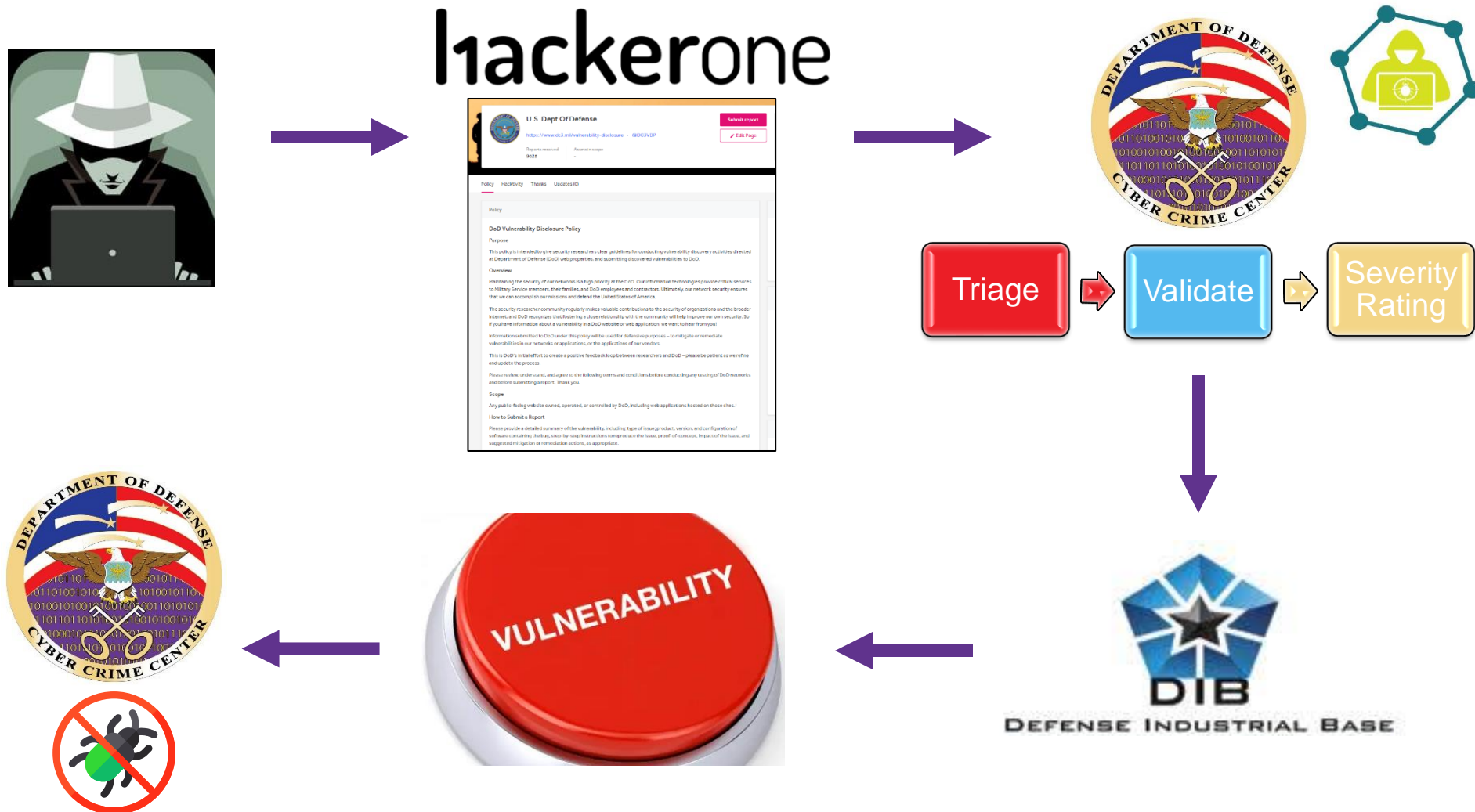
What The DoD Brings to Your Fight



- **We run the largest VDP in the world**
 - Over 27,000 Vulnerabilities processed in 4 years
- **Battle hardened team with SMEs in cyber defense**
 - Our passion. We eat, live, and breathe this stuff!
- **Instant turn key customized service**
 - You select what is in scope for the researchers
 - Instant access to us via Slack, email, and telephone
- **Access to the VRMN: the DC3 developed Vulnerability Report Management Network**
 - Customized dashboard per company, live metrics and reports



The VDP 6 Step Process





Closing Thoughts



- **Applications are being accepted today!**
 - First come, first served selection process
 - Details at the end of the industry day
- **Limited seats for only 20 companies**
 - Those after 20 will then be placed on a waiting list
 - If we expand then expect a call from DC3 and be ready to roll out
- **Your information, vulnerabilities, and systems will be protected and placed into individual data silos**
 - We don't and won't share with ANYONE without your consent
- **We are committed and invested in your cyber hygiene**



DoD Cyber Crime Center (DC3)
Vulnerability Disclosure Program (VDP)

UNCLASSIFIED

DIB-VDP



DIB-VDP PILOT PROGRAM OPERATIONS

12 FEBRUARY 2021



Melissa Vice
DOD VDP Chief Operations Officer



OBJECTIVES:

- **Identify DIB-VDP Pilot Program vulnerability report processing best practices**
- **Familiarize participants with the essential roles, responsibilities, and workflow of the DIB-VDP**
- **Provide a real-world view of vulnerability reporting workflow from submission to mitigation close out**
- **Spark questions from participants who wish to volunteer for the DIB-VDP Pilot Program**
- **Identify DIBCO participant On-Boarding process**



THE LIFE OF A VULNERABILITY TICKET

FROM VULNERABLE TO MITIGATED IN RECORD TIME





SCENARIO:

- **On February 11, 2021, a vulnerability was discovered**
- **The white-hat researcher viewed sensitive information on a DIB-VDP Participant's publicly accessible information system**
- **This vulnerability permits unauthorized access and data retrieval using Insecure Direct Object Reference (IDOR)**
- **The security researcher provided a detailed Proof of Concept (PoC) with the vulnerability report**
- **The company will be notified to remediate the vulnerability prior to being accessed by an adversary**
- **How can being a participant in DIB-VDP Pilot Program help you?**



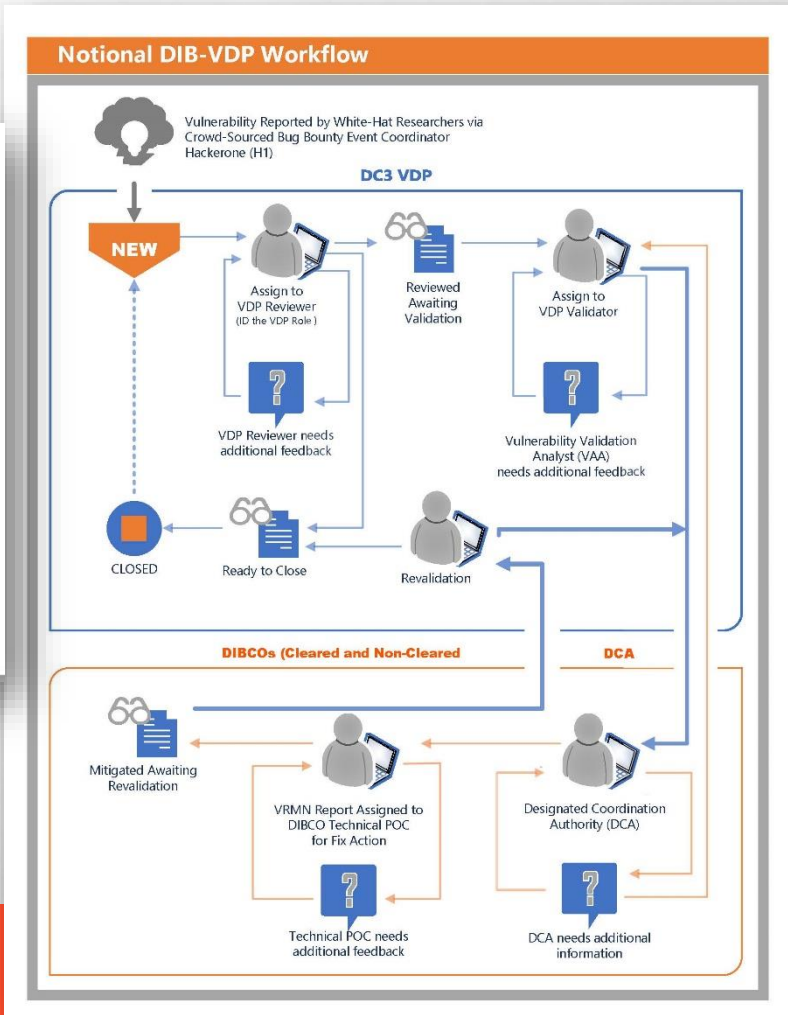
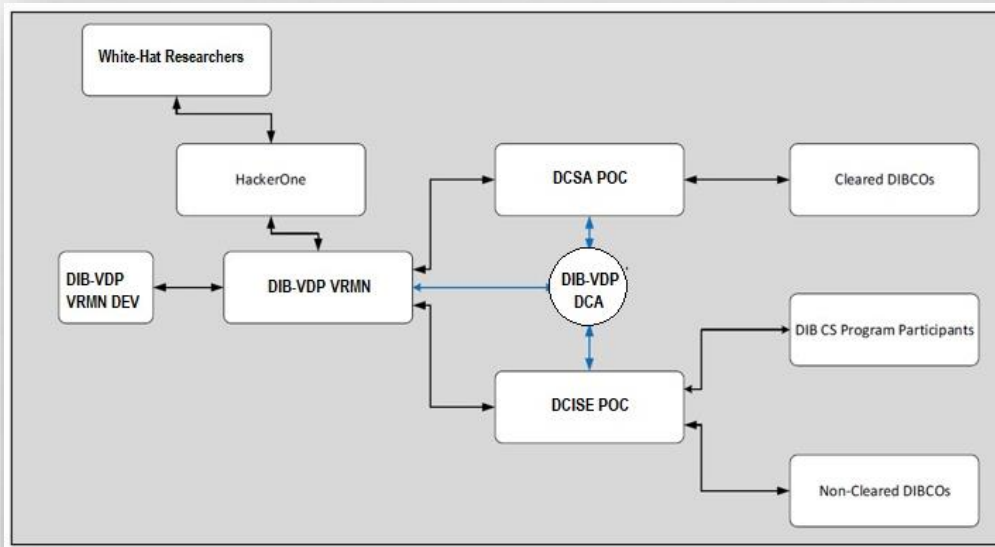
ESSENTIAL ROLES

- **WHITE-HAT RESEARCHER**
- **DIB-VDP DEDICATED COORDINATING AUTHORITY (DCA)**
- **DIB-VDP VULNERABILITY CYBER ANALYSTS**
- **DIB-VDP PARTICIPANT**





UNDERSTAND THE FLOW





REPORT THE HACK



RESEARCHER ACTIONS

- Report the vulnerability in HackerOne (H1)
- Researcher will show Proof of Concept (PoC) in depth
- The DIB-VDP Vulnerability Cyber Analysts ensures all information is accessible to the system owner via the DIB-VDP Vulnerability Report Management Network (DIB-VDP VRMN)



HACKERONE SAMPLE REPORT

White-Hat Researcher

Reputation

Rank

1

#100234

PII DATA

State

● Triaged (Open)

Severity

Critical (9 ~ 10) Edit

Reported to

DIB Participant 20

Participants

(Add participant)

Reported at

February 11, 2021 10:05am -0500

Notifications

Enabled

Asset

Add

Visibility

Private • Redact

References

Edit

CVE ID

Edit

Assigned To

Weakness

Cleartext Storage of Sensitive Information

Edit

Custom Fields

Setup

Collapse



PROOF OF CONCEPT SAMPLE

TIMELINE · EXPORT



WHR submitted a report to **DIB-VDP**

Issue reported

Summary:

It is possible to query the [REDACTED] from a personal device w/out certs or CAC and exfiltrate Reports by walking through a list of [REDACTED] iteratively. The [REDACTED] database acts as an Oracle, returning reports with Name, SSN, Date of Birth, and [REDACTED]

Impact

Critical

Step-by-step Reproduction Instructions

1. On an device (without CAC or anything) navigate to [REDACTED]
[userid=0&ssid=XXX-XX-XXXX](#)
2. Change out the X's for any valid SSN to test (If needed, we have a confirmed one and can e-mail it encrypted from VDP-Questions@dc3.mil)
3. Via IDOR/scripts SSNs can be pulled down, and inside the reports are [REDACTED]
[REDACTED]
4. Note that even if you put in an invalid SSN, it will pull down a blank report.

Suggested Mitigation/Remediation Actions

URL should not contain plaintext SSN for any reason
PII should require login/authorization and ideally be behind a CAC wall

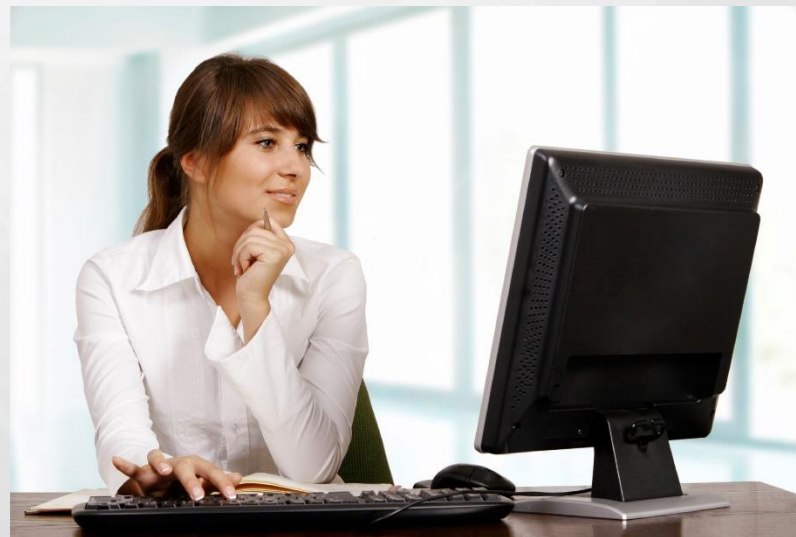
Impact

Anyone on the internet can pull down PII and brute force SSNs [REDACTED]



VULNERABILITY TRIAGE & VALIDATION

- **DIB-VDP Vulnerability Cyber Analysts triaged and confirmed the submission is valid**
- **DIB-VDP determined severity is critical due to the PII found by the Researcher**
- **DCISE or DCSA DIB-VDP Participant identification is validated for report workflow**





RESEARCHER ENGAGEMENT SAMPLE



changed the status to ● Triaged.

Greetings,

We have validated the vulnerability you reported and are preparing to forward this report to the affected DoD system owner for resolution.

Thank you for bringing this vulnerability to our attention!

We will endeavor to answer any questions the system owners may have regarding this report; however, there is a possibility we will need to contact you if they require more information to resolve the vulnerability.

You will receive another status update after we have confirmed your report has been resolved by the system owner. If you have any questions, please let me know.

Thanks again for supporting the DoD Vulnerability Disclosure Program.

Regards,

The VDP Team



REPORT PASSES TO ASSIGNED DCA



- The DIBCO's DCA will contact the DIB-VDP Participant to initiate the vulnerability fix action
- Immediately pass any requests for information to DIB-VDP Vulnerability Cyber Analysts via the unified collaboration platform (UCP)



PROACTIVE DIB-VDP ACTION

- The DIB-VDP Participant system owner performs the fix action to mitigate the reported vulnerability
- Communicates with their assigned DCA for additional requests for information
- Requests the report be closed via DIB-VDP VRMN after mitigation fix action has been performed





MITIGATION ASSESSMENT



- **DIB-VDP analyst review mitigation actions to ensure DIBCO assets are secured**
- **If mitigation is not successful, the report will be returned to DIBCO for additional fix action**
- **If mitigation is successfully validated the ticket will be closed in DIB-VDP VRMN**



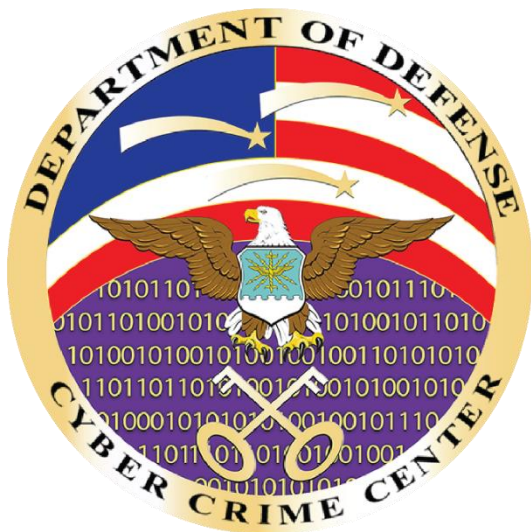
DIBCO VULNERABILITY MITIGATED

- The DIBCO can now work in confidence that the reported vulnerability has been mitigated
- We develop a trust-based partnership with the DIB-VDP companies to provide defense-in-depth protection





What to Expect When You're Expecting a VDP

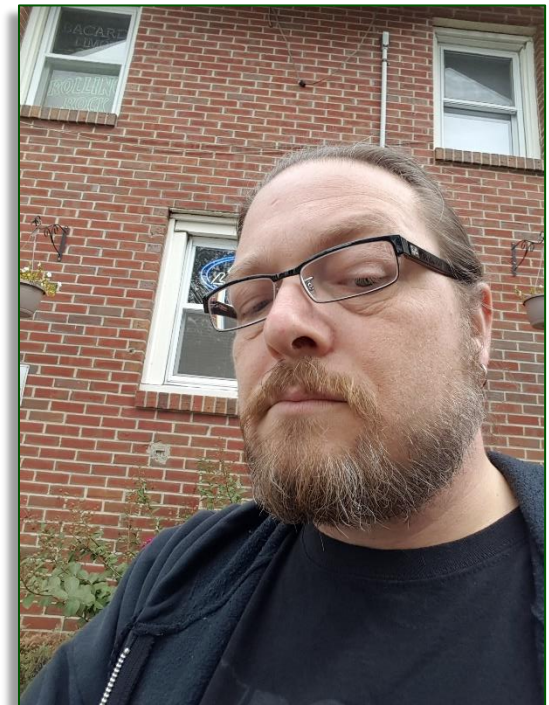


John Repici
CTO DoD VDP
12 FEB 2021



■ WHOAMI

- John Repici CTO DoD VDP
- From the Great State of South Jersey
 - Racing in the Streets
 - Down Thunder Road
 - In a Land of Hope and Dreams
- 20+ years IT/InfoSec
- 20 @Lockheed Martin
- Just hit one year anniversary as CIV @DC3
- Level 15 Dwarf Cleric
- Yes, I don't smile much...see bullet point 3





Agenda



■ People

- Crowd sourced whitehat “researcher” community
- Our internal analysts and leaders

■ Process

- Report Workflow
- Standards and Requirements - NIST

■ Technology

- Standard tool usage and TTPs
- Commercial vulnerability disclosure platform
- Vulnerability Report Management Network (VRMN)



People



■ People





People



■ People

- Whitehat “researcher” community
 - Backbone of VDP success
 - Over 2000 participants in DoD VDP since inception
 - From noobs to million dollar a year researchers
- Our internal VDP team
 - Skilled cyber analysts and practitioners – makers and breakers
 - Experienced cyber leadership
 - World class customer support and engagement

■ People drive everything we do, process and technology just better enable us.



Process

■ Standards



[RA-5\(11\)](#)

PUBLIC DISCLOSURE PROGRAM

(11) VULNERABILITY MONITORING AND SCANNING | [PUBLIC DISCLOSURE PROGRAM](#)

Establish a public reporting channel for receiving reports of vulnerabilities in organizational systems and system components.

Discussion: The reporting channel is publicly discoverable and contains clear language authorizing good-faith research and the disclosure of vulnerabilities to the organization. The organization does not condition its authorization on an expectation of indefinite non-disclosure to the public by the reporting entity but may request a specific time period to properly remediate the vulnerability.





Process



■ Process

- Streamlined report workflow and process via VRMN/Jira
- NIST
 - SP800-53r5
 - RA5(11) Public Disclosure Program
 - SP800-171 w/ technical interpretation

■ ***Interesting to note – FedRAMP and DoD are already implementing 800-53r5***

- *When will SP800-171 be revised with these new controls? BOD 20-01, IoT Cybersecurity Improvement Act 2020...supply chain breaches in headlines. I think sooner rather than later so best to be ready for a change.*



Process – Report Workflow



#1095638 **Reflected XSS on dvof-w.geointel.nga.mil/dvof-filter.cfm via shape parameter**

State **Triaged (Open)**

Severity **Medium (4 ~ 6.9)**

Reported to **U.S. Dept Of Defense**

Resolution Target **May 21st 2021**

Reported at **February 4, 2021 12:20pm -0500**

Participants **(Add participant)**

Asset **Add**

Notifications **Enabled**

References **Edit**

Visibility **Private • Redact**

CVE ID **Edit**

Assigned To **Coordinate**

Weakness **Cross-site Scripting (XSS) - Reflected**

Custom Fields **Setup**

Collapse

ADD SUMMARY

TIMELINE • EXPORT

TYR

7yr submitted a report to U.S. Dept Of Defense.

Summary:

It was found a reflected XSS and HTML Injection on <https://dvof-w.geointel.nga.mil/dvof-filter.cfm> via **shape** parameter.

Description:

PoC

[https://dvof-w.geointel.nga.mil/dvof-filter.cfm?shape=x%22%3E%3CsvgG%20onLoad=prompt\(document.domain\)%3E](https://dvof-w.geointel.nga.mil/dvof-filter.cfm?shape=x%22%3E%3CsvgG%20onLoad=prompt(document.domain)%3E)



Process - Report Workflow



Burp Suite Professional v2021.2 - Temporary Project - licensed to John P Repici (single user license)

Dashboard Target Proxy Intruder Repeater Sequencer Decoder Comparer Extender Project options User options

Intercept HTTP history WebSockets history Options

Filter: Hiding CSS, image and general binary content

#	Host	Method	URL	Params	Edited	Status
14	http://detectportal.firefox.com	GET	/success.txt			200
15	https://shavar.services.mozilla.com	POST	/downloads?client=navclient-auto-ffox&appver=68.11&pver=2.2			200
16	https://dvof-w.geointel.nga.mil	GET	/dvof-filter.cfm?shape=x%22%3E%3Csvg%20onLoad=prompt(document.cookie)%3E			200
17	https://snippets.cdn.mozilla.net	GET	/us-west/bundles-pregen/Firefox/en-us/default.json			200
18	https://tiles.services.mozilla.com	POST	/v4/links/activity-stream			200
21	https://incoming.telemetry.mozilla.org	POST	/submit/activity-stream/impression-stats/1/ba0ca6ea-57a1-4071-8eaf-98e5ab776ea2			200
25	https://tiles.services.mozilla.com	POST	/v4/links/activity-stream			200
30	https://dvof-w.geointel.nga.mil	GET	/scripts/jquery/jquery-1.8.0.min.js			200
32	https://dvof-w.geointel.nga.mil	GET	/scripts/jquery/jquery-ui-1.8.23.custom.min.js			200
33	https://dvof-w.geointel.nga.mil	GET	/scripts/dvof.js			200
45	http://detectportal.firefox.com	GET	/success.txt			200
46	http://detectportal.firefox.com	GET	/success.txt			200

Request

1 GET /dvof-filter.cfm?shape=x%22%3E%3Csvg%20onLoad=prompt(document.cookie)%3E HTTP/1.1

2 Host: dvof-w.geointel.nga.mil

3 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:88.0) Gecko/20100101 Firefox/68.0

4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8

5 Accept-Language: en-US,en;q=0.5

6 Accept-Encoding: gzip, deflate

7 Connection: close

8 Upgrade-Insecure-Requests: 1

Response

1 HTTP/1.1 200 OK

2 Date: Mon, 08 Feb 2021 21:45:43 GMT

3 Server: Apache

4 Content-Type: text/html; charset=UTF-8

5 Set-Cookie: CFID=72144051; expires=Wed, 01-Feb-2051

6 Set-Cookie: CFTOKEN=27205738; expires=Wed, 01-Feb-2051

7 Connection: close

8 Strict-Transport-Security: max-age=31536000; includeSubDomains

9 Content-Length: 591262

10

11 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

12 <html>

13 <head>

14 <link rel="icon" type="image/vnd.microsoft.icon" href="/css/agency.css" data-bbox="14 14 15 15"/>

15 <meta http-equiv="Content-Type" content="text/html" data-bbox="15 15 16 16"/>

16 <meta name="IL.agency" content="National Geospatial-Intelligence Agency" data-bbox="16 16 17 17"/>

17 <meta name="IL.cupdate" content="none" data-bbox="17 17 18 18"/>

18 <meta name="IL.keyword" content="WOD DVOF Vector" data-bbox="18 18 19 19"/>

19 <meta name="IL.poc" content="Mike Hall" data-bbox="19 19 20 20"/>

20 <meta name="IL.postdate" content="20041225" data-bbox="20 20 21 21"/>

21 <meta name="IL.secur.classif" content="Unclassified" data-bbox="21 21 22 22"/>

22 <meta name="IL.secur.ctrl" content="none" data-bbox="22 22 23 23"/>

23 <meta name="IL.secur.relto" content="none" data-bbox="23 23 24 24"/>

24 <meta name="IL.titl" content="none" data-bbox="24 24 25 25"/>

25 <meta name="NGA.HTML.author" content="NDVC" data-bbox="25 25 26 26"/>

26 <meta name="NGA.review" content="20051225" data-bbox="26 26 27 27"/>

27

28

29 <title>

30 NGA: (U) WebDOF (Unclassified)

31 </title>

32 <link href="/css/agency.css" rel="stylesheet" type="text/css" data-bbox="32 32 33 33"/>

33 <link href="/css/menu.css" rel="stylesheet" type="text/css" data-bbox="33 33 34 34"/>

34 <link href="/css/docu.css" rel="stylesheet" type="text/css" data-bbox="34 34 35 35"/>

35 <link href="/scripts/jquery/jquery-ui-lightness/jquery-ui-lightness.min.js" rel="stylesheet" type="text/css" data-bbox="35 35 36 36"/>

36 <link href="/css/dvofstyle.css" rel="stylesheet" type="text/css" data-bbox="36 36 37 37"/>

37 <script language="JavaScript" type="text/javascript" data-bbox="37 37 38 38">

38 </script>

NGA: (U) WebDOF (Unclassified)

UNCLASSIFIED

NOTICE TO WEBDOF USERS - CLICK TO SHOW NOTICES

Additional Query Filters

CFID=72144051; CFTOKEN=27205738

OK Cancel

Obstruction Height

AGL - Above Ground Level

AMSL - Above Mean Sea Level

Minimum Height

Maximum Height

Codes and IDs

Validation Code

FIPS Country Code

Province Code

Producer Code

Obstruction Type

FACC

Transaction Code

Obstruction ID (VO Identifier/Feature ID)

UIID

Limit Results by Chart Boundaries

Select a Series: *

Select a Chart: **

Database Date: 02/02/2021

Transferring data from dvof-w.geointel.nga.mil...



Process – Report Workflow



```
root@hacktevat0r: ~  
root@hacktevat0r:~# nmap -sV -Pn -A dvof-w.geointel.nga.mil  
Starting Nmap 7.80 ( https://nmap.org ) at 2021-02-08 17:04 EST  
Stats: 0:01:30 elapsed; 0 hosts completed (1 up), 1 undergoing Script Scan  
NSE Timing: About 87.50% done; ETC: 17:06 (0:00:04 remaining)  
Nmap scan report for dvof-w.geointel.nga.mil (214.37.41.20)  
Host is up (0.070s latency).  
Not shown: 999 filtered ports  
PORT      STATE SERVICE VERSION  
443/tcp    open  ssl/http Apache httpd  
|_ http-cookie-flags:  
|_ /:  
|_ CFID:  
|_   httponly flag not set  
|_ CFTOKEN:  
|_   httponly flag not set  
|_ http-server-header: Apache  
|_ http-title: NGA: (U) WebDVOF (Unclassified)  
|_ ssl-cert: Subject: commonName=dvof.geointel.nga.mil/organizationName=U.S. Government/countryName=US
```


```
of.geointel.nga.mil, DNS:dvof.arn.gov, DNS:dvof-w  
int.nga.mil, DNS:dvof-e.geo.nga.mil, DNS:dvof-e.g  
a.mil, DNS:ndwdsngwlvdvw01.geo.nga.mil, DNS:ndwds  
.nga.mil, DNS:ndwdsngwlvdvw02.geo.nga.mil, DNS:nd  
tel.nga.mil, DNS:ndwdsngwlvdvw03.geo.nga.mil, DNS  
ointel.nga.mil, DNS:ndwdsngwlvdvw04.geo.nga.mil,   
.geointel.nga.mil, DNS:ndwdsngwlvdvw05.geo.nga.mil  
w06.geointel.nga.mil, DNS:ndwdsngwlvdvw06.geo.nga  
w01.arn.gov, DNS:ndedsngwlvdvw02.geo.nga.mil, DNS  
ov, DNS:ndedsngwlvdvw04.geo.nga.mil, DNS:ndedsngw  
|_ Not valid before: 2020-01-10T16:56:38  
|_ Not valid after: 2022-11-23T13:50:35  
|_ ssl-date: TLS randomness does not represent time
```

```
root@hacktevat0r:~# nikto -h https://dvof-w.geointel.nga.mil  
- Nikto v2.1.5  
-----  
+ Target IP: 214.37.41.20  
+ Target Hostname: dvof-w.geointel.nga.mil  
+ Target Port: 443  
-----  
+ SSL Info: Subject: /C=US/O=U.S. Government/OU=DoD/OU=PKI/OU=NGA/CN=dvof.geointel.nga.mil  
Ciphers: ECDHE-RSA-AES128-GCM-SHA256  
Issuer: /C=US/O=U.S. Government/OU=DoD/OU=PKI/CN=DOD SW CA-53  
+ Start Time: 2021-02-08 17:08:48 (GMT-5)  
-----  
+ Server: Apache  
+ Cookie CFID created without the secure flag  
+ Cookie CFID created without the httponly flag  
+ Cookie CFTOKEN created without the secure flag  
+ Cookie CFTOKEN created without the httponly flag  
+ The anti-clickjacking X-Frame-Options header is not present.  
+ Uncommon header 'strict-transport-security' found, with contents: max-age=31536000; includeSubDomains; preload  
+ Server leaks inodes via ETags, header found with file /wLMrr50W.rdf+destype=cache+desformat=PDF, inode: 20755, size: 4964c7931a375
```



Process – Report Workflow



 [VDP_Database](#) / [VDP-27858](#)

Reflected XSS on dvof-w.geointel.nga.mil/dvof-filter.cfm via shape parameter

[Edit](#) [Comment](#) [Assign](#) [More](#) [Assign for Review](#) [Admin](#)

Details

Type: ☒ Task

Priority: ☐ Low ☒ Medium ☐ High

Labels: None

Vulnerability Category: Choose a category

Battle Station: None

Task Order Status: Open

Returned Count: 0

HackerOne Report ID: 1095638

HackerOne State: Triaged

HackerOne Assignee: Coordinate

HackerOne Researcher: 7yr

Weakness Name: Cross-site Scripting (XSS) - Reflected

Weakness CWE ID: cwe-79

Weakness CWE Description:

✓ The server reads data directly from the HTTP request and reflects it back in the HTTP response. Reflected XSS exploits occur when an attacker causes a victim to supply dangerous content to a vulnerable web application, which is then reflected back to the victim and executed by the web browser. The most common mechanism for delivering malicious content is to include it as a parameter in a URL that is posted publicly or e-mailed directly to the victim. URLs constructed in this manner constitute the core of many phishing schemes, whereby an attacker convinces a victim to visit a URL that refers to a vulnerable site. After the site reflects the attacker's content back to the victim, the content is executed by the victim's browser.

Affected System URL(s):

Affected Product(s): and Version(s)

Affected Version(s):

Observable IP of Scanning System:

Steps to Reproduce: Visit [https://dvof-w.geointel.nga.mil/dvof-filter.cfm?shape=x%22%3E%3Csvg%20onLoad=prompt\(document.domain\)%3E](https://dvof-w.geointel.nga.mil/dvof-filter.cfm?shape=x%22%3E%3Csvg%20onLoad=prompt(document.domain)%3E)

Status: **NEW**
[\(View Workflow\)](#)

Resolution: Unresolved

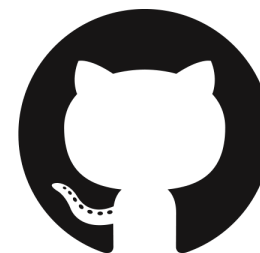
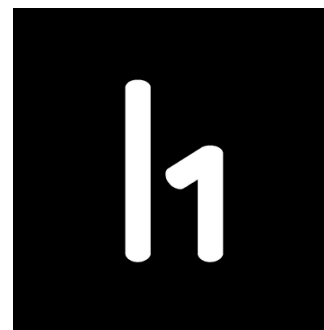


Technology

■ Technology



docker



SHODAN





Technology



■ Integrations

- Platform – Hackerone FedRAMP IL2
- Backend – Jira Core/VRMN w/ Docker, Kubernetes, GitHub
- Collaboration – Slack FedRAMP IL2
- API Integrations – Data Enrichment
 - Security Trails
 - Shodan
- Analysts Tools
 - Open engagement network
 - Kali Linux and low CM control
 - Burp Suite Pro – Only commercial “hacker” tool in use
 - AWS – VPN and remote shells on the fly



Technology - VRMN



Jira Core Dashboards ▾ Projects ▾ Issues ▾ AIO Reports ▾ Manage Users Help & FAQs Request a Feature ▾ Create

Search

VDP_Database

Summary

Issues

Reports

PROJECT SHORTCUTS

Task management ideas

Working in a project

+ Add link

Open issues Switch filter ▾

Order by Priority ▾

- ☒ VDP-20112 SonarQube allows login using default...
- ☒ VDP-19687 Unauthenticated arbitrary file deleti...
- ☒ VDP-19682 Unauthenticated arbitrary file deleti...
- ☒ VDP-20211 Arbitrary File Read on F5 Big-IP Lead...
- ☒ VDP-19847 Remote Code Execution on www.tes...
- ☒ VDP-19686 Unauthenticated arbitrary file deleti...
- ☒ VDP-19681 Unauthenticated arbitrary file deleti...
- ☒ VDP-19710 Arbitrary File Deletion against https...
- ☒ VDP-19715 Unauthenticated arbitrary file deleti...
- ☒ VDP-15963 Information Disclosure(PHPINFO/Cr...
- ☒ VDP-17044 Subdomain takeover due to an uncl...
- ☒ VDP-13625 iDrac open to public access with def...
- ☒ VDP-18632 AWS Subdomain Takeover

+ Create issue

VDP_Database / VDP-20112 1 of 19401

SonarQube allows login using default credentials, bypassing SSO.

Edit Comment Assign More ▾ Assign for Review Admin ▾

Details

Type: Task

Status: NEW

(View Workflow)

Priority: Critical

Resolution: Unresolved

Labels: None

Vulnerability Category: Choose a category

Battle Station: None

Task Order Status: Open

Returned Count: 0

HackerOne Report ID: 969392

HackerOne State: Triaged

HackerOne Assignee: Coordinate

HackerOne Researcher: adamsvoboda

Weakness Name: Improper Authentication - Generic

Weakness CWE ID: cwe-287

Weakness CWE: When an actor claims to have a given identity, the software does not prove or insufficiently proves that the claim is correct.

Description:

Affected System

URL(s):

Affected Product(s):

Affected Version(s):

Observable IP of Scanning System:

Steps to Reproduce:

People

Assignee: Unassigned

Assign to me

Reporter: Tyesha Long

Dates

Created: 4 days ago

Updated: Yesterday

Date Reported: 5 days ago

Date Exported: Yesterday

Date Loaded: Yesterday

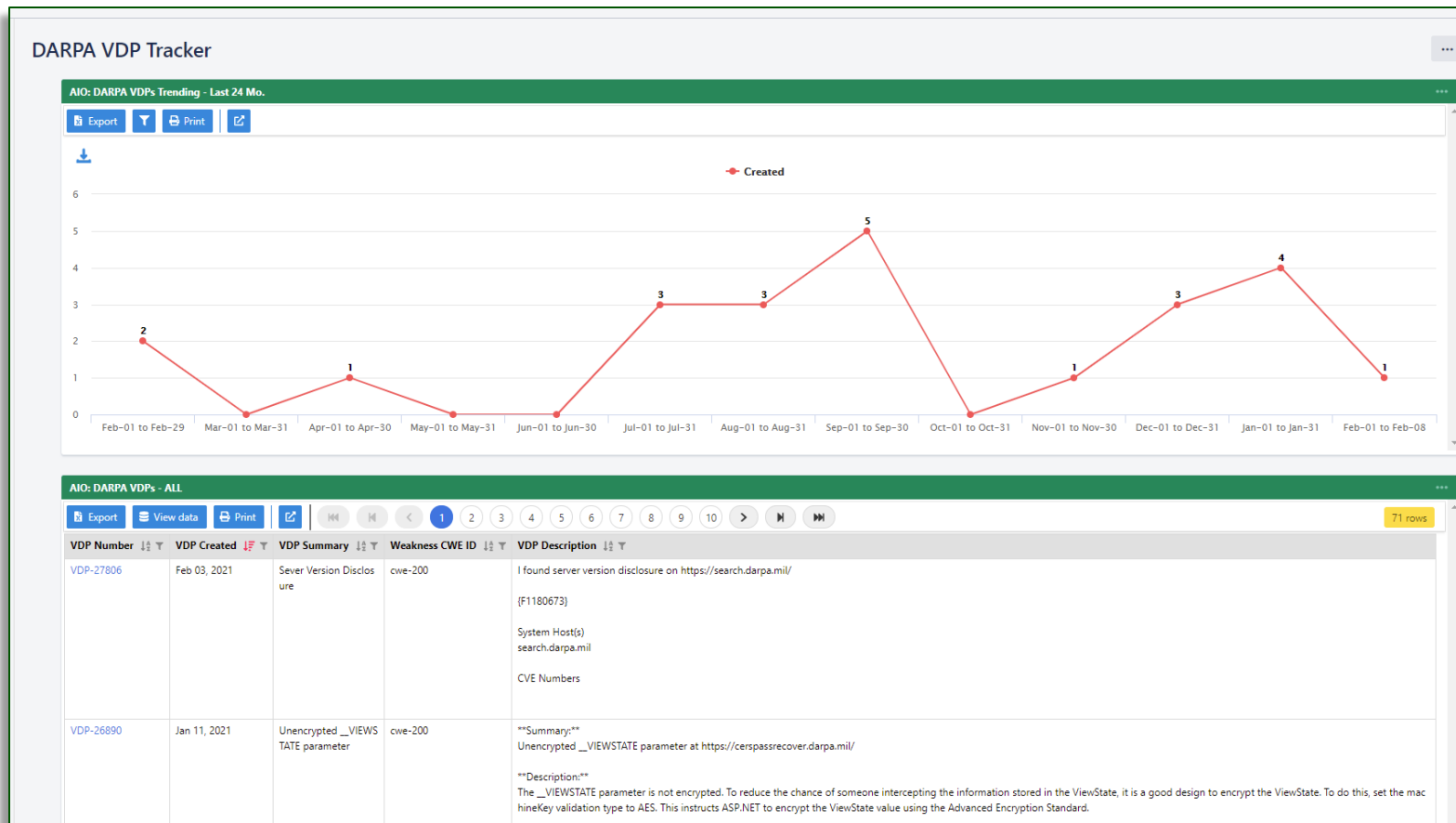
Hipchat discussions

Do you want to discuss this issue? Connect to Hipchat.

Connect Dismiss



Technology – VRMN Dashboard





Technology – All in One Reports



AIO New report My Area My Timesheet Administration Help

Page 1 Add page

Search fields

Type List

Fields Add Fields

Issues Search JQL Jira Custom Validate JQL

Type a valid JQL statement without 'Order By' clause

JQL:

Run

Click Run to view page results

Project

Parent Issue

Linked Issues

Sub-Tasks

Fix Version

Custom

Affected Product(s) Affected System URL(s) Affected Version(s)

Assigned Group Battle Station Component CWE Category

DomainTools/Whois Record HackerOne Assignee

HackerOne Report ID HackerOne Researcher HackerOne State

Impact Justification Observable IP of Scanning System OGC

POAM Request Info From Researcher Country

Researcher Team Soon to be Overdue Steps to Reproduce

Suggested Mitigation/Remediation Actions Task Order Number

Task Order Status Task Order URL Vulnerability Category

Weakness CWE Description Weakness CWE ID Weakness Name

Component Mitigation Status Times (Days)

Component Mitigation Status Times (Seconds)

JFHQ-DODIN Status Times (Days) JFHQ-DODIN Status Times (Seconds)

Organization of the Month Score Reassign Component Transition Count

Rejected Mitigations Last Month Returned Count

Returned Count (Adjustment) Returned Count (Raw)

VDP Mitigation Validation Status Times (Days)

VDP Mitigation Validation Status Times (Seconds)

VDP Report Triage plus Vulnerability Validation Status Times (Days)

VDP Report Triage plus Vulnerability Validation Status Times (Seconds)

VDP Report Triage Status Times (Days)

VDP Report Triage Status Times (Seconds)

VDP Vulnerability Validation Status Times (Days)

VDP Vulnerability Validation Status Times (Seconds)

History

Other

Time with Assignee



Closing

■ This is a FREE service!

■ Things we can do for you

- Possibly give you some guidance for fix actions at your own risk – don't let prod also be test
- Advise you to the technical control you are non compliant with – how does this translate to a NIST control
- Point you to industry or commercial best practice
- Point you to resources that might help you apply a fix action

■ Things we can't do for you

- Code reviews
- Access your assets remotely and apply mitigations
- Enforce system compliance and/or assume your risk





DoD Cyber Crime Center (DC3)
Vulnerability Disclosure Program (VDP)

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DIB-VDP



ON-BOARDING 101

FOR DIB-VDP PARTICIPANTS





DIBCO ON-BOARDING QUESTIONS

- **WHAT ASSETS WILL BE RESEARCHED IN THE DIB-VDP 12-MONTH PILOT?**
 - DIBCO Participants identify their publicly access information system assets
- **WILL MY ORGANIZATION' S REPORTS BE DISCLOSED?**
 - No, all organizations information is anonymized
- **DO WE NEED IN-HOUSE EXPERTISE TO MITIGATE REPORTED VULNERABILITIES?**
 - How many personnel should we dedicated to vulnerability mitigation?
 - Will we need to use a 3rd party technical support?
 - Will participation in the DIB-VDP Pilot affect existing contractual vendor agreements?
- **WHAT IF WE CANNOT MITIGATE THE REPORTED VULNERABILITY BY THE DEADLINE?**
 - Or wish to accept the risk as a mitigation strategy?



DIBCO ON-BOARDING INSTRUCTIONS

**DIB-VDP Pilot Program
Participant Request
Forms accepted
from February
12 through 26, 2021**



20 Participant Companies

**Email to:
DIB-VDP@dc3.mil**

DEFENSE INDUSTRIAL BASE-VULNERABILITY DISCLOSURE PROGRAM (DIB-VDP) PILOT PROGRAM PARTICIPATION REQUEST			
<small>The DIB-VDP Pilot Program is a voluntary, 12-month event established collaboratively by the Department of Defense Cyber Crime Center's (DC3) DoD Defense Industrial Base Collaborative Information Sharing Environment (DCISE), DoD Vulnerability Disclosure Program (DoD VDP), and the Defense Counterintelligence and Security Agency (DCSA). The focus of the DIB-VDP Pilot Program will involve sharing DoD VDP lessons learned with DIB companies.</small>			
<small>If your company is interested in participating in the pilot program, please complete this form and return it via email to DIB-VDP@dc3.mil. Participation in the pilot program is limited to 20 companies and will be granted on a first-come/first-served basis.</small>			
1. COMPANY NAME:		2. IS THIS COMPANY CLEARED? <input type="radio"/> Yes <input type="radio"/> No	
3. IS DIB-VDP PILOT PROGRAM POINT OF CONTACT (POC) SAME PERSON AS PRIMARY DIB-CS PROGRAM POC?		<input type="radio"/> Yes <input type="radio"/> No	
4. DOES DIB-VDP PILOT PROGRAM POC CURRENTLY HOLD A DOD-APPROVED MEDIUM ASSURANCE CERTIFICATE?		<input type="radio"/> Yes <input type="radio"/> No	
5. DIB-VDP PRIMARY POC NAME:	6. ROLE:	7. PHONE NUMBER:	8. EMAIL ADDRESS:
9. DIB-VDP SECONDARY POC NAME:	10. ROLE:	11. PHONE NUMBER:	12. EMAIL ADDRESS:
13. IS THIS COMPANY A DIB-CS PROGRAM MEMBER?		<input type="radio"/> Yes <input type="radio"/> No	
14. LIST ANY QUESTIONS YOU HAVE ABOUT THE DIB-VDP PILOT PROGRAM IN THE FIELD BELOW. <small>(The field below is an expanding field. As the field fills with the text you are typing, a scroll bar will appear on the right side of the field. After you finish typing and click outside of the field, it will expand as necessary to display all of the text that you typed.)</small>			
<div></div>			

20210125 FOR OFFICIAL USE ONLY (when completed) PREVIOUS EDITIONS ARE OBSOLETE. Page 1 of 1



DIBCO ON-BOARDING INSTRUCTIONS

<https://www.dc3.mil/>





DIBCO ON-BOARDING INSTRUCTIONS

<https://www.dc3.mil/>

DEPARTMENT OF DEFENSE CYBER CRIME CENTER (DC3)
A FEDERAL CYBER CENTER

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HOME ▸ VULNERABILITY DISCLOSURE ▸ VULNERABILITY DISCLOSURE PROGRAM (VDP)

VULNERABILITY DISCLOSURE PROGRAM (VDP)

The DoD Vulnerability Disclosure Program (VDP) leverages the experience and knowledge of ethical hackers from around the world to improve network defenses and enhance mission assurance.

VDP Overview

DC3 was assigned by the Secretary of Defense to be the DoD focal point for receiving vulnerability reports and interacting with researchers consistent with DC3's existing information sharing responsibilities as a Federal Cybersecurity Center.

[VDP Fact Sheet](#) [VDP Annual Reports](#) [VDP Bug Bytes](#) [VDP Stories](#)

The VDP provides an independent assessment of DoDIN security and defensive measures by identifying:

- Vulnerabilities not found by existing red-team and automated efforts
- Non-compliance with cyber security guidance
- Training deficiencies

Contact Us

General VDP Questions:
VDP-Questions@dc3.mil

This link is not to be used to report vulnerabilities on DoD networks and systems.

VDP Policy & Reporting

To read the DoD Vulnerability Disclosure Policy and to submit a vulnerability report:

[Submit Vulnerability Report](#)

Defense Industrial Base Vulnerability Disclosure Program (DIB-VDP)

[DIB-VDP Pilot Program](#)



DIBCO ON-BOARDING INSTRUCTIONS

- **DIB-VDP Feasibility Study**
- **DIB-VDP Pilot Program Participation Request Form**
- **Email to: DIB-VDP@dc3.mil**

DIB-VDP Pilot Program

The Defense Industrial Base Vulnerability Disclosure Program (DIB-VDP) Pilot is a 12-month voluntary event established collaboratively by DC3's DoD Defense Industrial Base Collaborative Information Sharing Environment (DCISE), DoD Vulnerability Disclosure Program (DoD VDP), and the Defense Counterintelligence and Security Agency (DCSA).

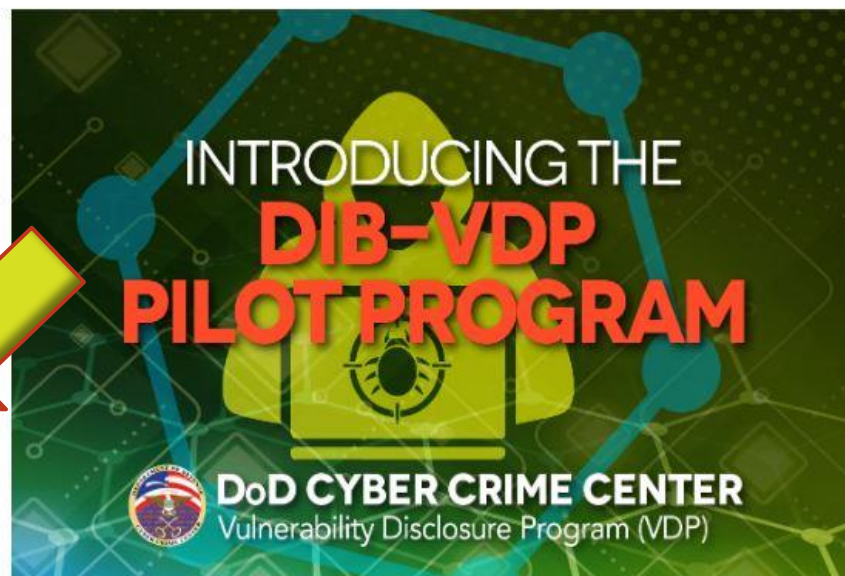
The DIB-VDP Pilot Program was born out of the desire to bring the lessons learned by the DoD VDP to DIB companies based on the strong recommendation from Carnegie Mellon University Software Engineering Institute (SEI) DIB-VDP Feasibility Study.

If you have any questions, please contact DIB-VDP at DIB-VDP@dc3.mil.

Instructions:

- Select and download the DIB-VDP Pilot Program Participation Request Form.
- Please complete the form providing as much information as possible.
- After completing the form, please email to DIB-VDP@dc3.mil.

If you encounter any issues downloading or viewing the form (such as a "Please wait..." page), follow the instructions [here](#) to change your browser settings.





DoD Cyber Crime Center (DC3)
Vulnerability Disclosure Program (VDP)

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DIB-VDP



QUESTIONS?

A Federal Cyber Center



<https://www.dc3.mil/>

DIB-VDP@dc3.mil