

Gestão de Vulnerabilidades

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ASA / SEG

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Porta aberta?

- O número de vulnerabilidades conhecidas é imenso
- Todos os dias são descobertas novas vulnerabilidades
- Os serviços web são um target óbvio

Mitre CVEs

- Common Vulnerabilities and Exposures
- Descrição de casos



Common Vulnerabilities and Exposures



HOME > CVE LIST > SEARCH CVE LIST

Search CVE List

You can search the CVE List for a [CVE Entry](#) if the [CVE ID](#) is known.

View the [search tips](#).

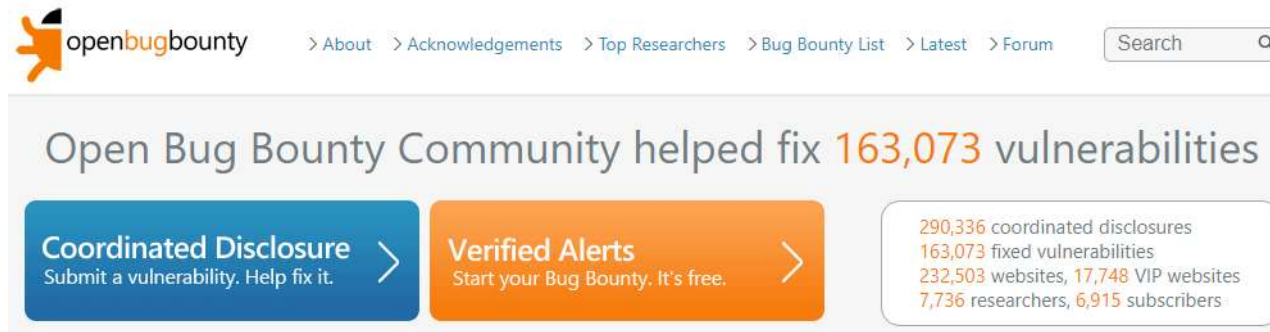
Submit

Mitre CVEs - Exemplo

CVE-ID	
CVE-2018-10969	Learn more at National Vulnerability Database (NVD) <ul style="list-style-type: none">• CVSS Severity Rating• Fix Information• Vulnerable Software Versions• SCAP Mappings• CPE Information
Description	
SQL injection vulnerability in the Pie Register plugin before 3.0.10 for WordPress allows remote attackers to execute arbitrary SQL commands via the invitation codes grid.	
References	
Note: References are provided for the convenience of the reader to help distinguish between vulnerabilities. The list is not intended to be complete.	
<ul style="list-style-type: none">• EXPLOIT-DB:44867• URL:https://www.exploit-db.com/exploits/44867/• MISC:https://wordpress.org/plugins/pie-register/#developers	
Assigning CNA	
MITRE Corporation	

«Bounties»

- *Disclosure* responsável
- Permitir ao dono do *asset* a rectificação do problema



The screenshot shows the Open Bug Bounty website header with the logo and navigation links: > About > Acknowledgements > Top Researchers > Bug Bounty List > Latest > Forum. A search bar is also present. Below the header, a main banner states: "Open Bug Bounty Community helped fix 163,073 vulnerabilities". Two call-to-action buttons are shown: "Coordinated Disclosure" (Submit a vulnerability. Help fix it.) and "Verified Alerts" (Start your Bug Bounty. It's free.). To the right, a statistics box lists: 290,336 coordinated disclosures, 163,073 fixed vulnerabilities, 232,503 websites, 17,748 VIP websites, 7,736 researchers, and 6,915 subscribers.

openbugbounty > About > Acknowledgements > Top Researchers > Bug Bounty List > Latest > Forum Search

Open Bug Bounty Community helped fix **163,073** vulnerabilities

Coordinated Disclosure > Submit a vulnerability. Help fix it.

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290,336 coordinated disclosures
163,073 fixed vulnerabilities
232,503 websites, 17,748 VIP websites
7,736 researchers, 6,915 subscribers

«Bounties» - Exemplo

🚩 Open Bug Bounty ID: OBB-355996

Security Researcher **c0rtePentest**, a holder of 2 badges for responsible and coordinated disclosure, found a security vulnerability affecting **vodafone.pt** website and its users.

Following coordinated and responsible vulnerability disclosure guidelines of the **ISO 29147** standard, Open Bug Bounty has:

- verified the vulnerability and confirmed its existence;
- notified the website operator about its existence.

Affected Website:	vodafone.pt
Open Bug Bounty Program:	Create your bounty program now. It's open and free.
Vulnerable Application:	Custom Code
Vulnerability Type:	XSS (Cross Site Scripting) / CWE-79
CVSSv3 Score:	6.1 [CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:C/C:L/I:L/A:N]
Discovered and Reported by:	c0rtePentest
Remediation Guide:	OWASP XSS Prevention Cheat Sheet

Vulnerable URL:

```
http://www.vodafone.pt/NR/rdonlyres/68463169-A34D-4228-8DB2-D83F684514D0/0/VDF_BannerTV_570x250.swf?ClickTag=data:text/html;base64,PHNjcmlwdD5hbGvYdCgnWFNTUE9TRUQnKTwc2NyaXB0Pg==
```

Research's Comment:

Click to trigger XSS

Mirror:

[Click here to view the mirror](#)

🚩 Coordinated Disclosure Timeline

Vulnerability Reported:	21 October, 2017 00:56 GMT
Vulnerability Verified:	23 October, 2017 06:48 GMT
Website Operator Notified:	23 October, 2017 06:48 GMT
a. Using publicly available security contacts	✓
b. Using Open Bug Bounty notification framework	✓
c. Using security contacts provided by the researcher	✓
Public Report Published [without any technical details]:	23 October, 2017 06:48 GMT
Vulnerability Fixed:	21 December, 2017 10:48 GMT
Public Disclosure: 🚩	20 November, 2017 00:56 GMT

Inteligência como fonte

- Recolha de fontes externas, para a RCTS



- Uma semana má...

Relatórios Semanais

- Por instituição/membro da RCTS
- A partir de `report@cert.rcts.pt`
- Todas as segundas-feiras, às 00:30
- Em formato .CSV
- Quando a instituição não recebe significa que nada foi detectado nas últimas semanas 😊

Nessus – Vulnerability Scanner

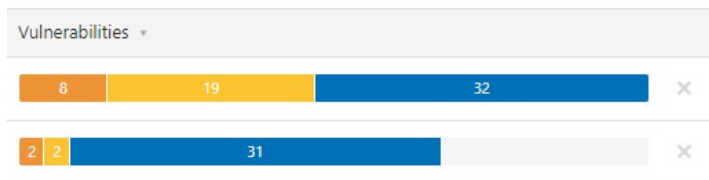
- Adquirida licença no ano passado
- Ferramenta que executa análises em profundidade
- Pode estar 24/7 a analisar diversos websites, de forma automatizada
- Hoje a FCCN analisa ~15 websites semanalmente
- Poderão ser adquiridas mais licenças, se necessário

Relatórios

- Classificação por gravidade
- Duração & tipo de testes
- Exemplo de dois *hosts*
- Evolução...

Scan Details

Name: [REDACTED]
Status: Completed
Policy: Web Application Tests
Scanner: Local Scanner
Start: November 15 at 4:00 AM
End: November 15 at 5:32 AM
Elapsed: 2 hours



Vulnerabilities

FEV



● Critical
● High
● Medium
● Low
● Info

Vulnerabilities

NOV



● Critical
● High
● Medium
● Low
● Info

Próximos passos?

- Há interesse neste serviço?
- Que/Quantos websites pretendem avaliar?
- Que periodicidade?

Perguntas



Obrigado pela atenção!

info@cert.rcts.pt