

Information Disclosure

#Session_Task_9

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1. Sensitive Information Disclosure –

Sensitive Information Disclosure occurs when private or confidential data is unintentionally or maliciously revealed to unauthorized individuals or entities. This can happen through various means such as insecure websites, weak passwords, or software vulnerabilities. It's like if someone gets access to your personal details, bank account info, or other private data without your permission. This can lead to serious consequences like identity theft or financial loss. So, it's crucial to safeguard sensitive information to keep it out of the wrong hands.

2. Best tools to find sensitive information –

- **Shodan:** Shodan is a search engine that allows users to find internet-connected devices, including servers, routers, webcams, and more. It provides insights into open ports, services, and vulnerabilities, which can help in discovering sensitive information exposed on the internet.
- **Censys:** Censys is a search engine that scans the internet's IPv4 address space, as well as the X.509 certificate space, for various types of information. It can be used to identify internet-connected devices, services, and vulnerabilities, aiding in the discovery of sensitive information.
- **ZoomEye:** Similar to Shodan and Censys, ZoomEye is a search engine for discovering internet-connected devices, services, and vulnerabilities. It can be used to uncover sensitive information exposed to the internet.
- **FOFA (Fingerprint Open Port Analysis):** FOFA is a search engine designed to identify internet-connected devices and services based on their banners and headers. It can be useful for finding exposed sensitive information.
- **BinaryEdge:** BinaryEdge offers a platform for monitoring and analyzing internet-connected assets. It provides insights into network

exposures, vulnerabilities, and data leaks, aiding in the discovery of sensitive information.

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Information disclosure in error messages

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Source code disclosure via backup files

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Information disclosure

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LAB	APPRENTICE	Source code disclosure via backup files →	✓ Solved
LAB	APPRENTICE	Authentication bypass via information disclosure →	✓ Solved
LAB	PRACTITIONER	Information disclosure in version control history →	✓ Solved

References –

<https://portswigger.net/web-security/information-disclosure/exploiting><https://censys.com/><https://www.shodan.io/><https://www.spirion.com/blog/how-to-identify-types-of-sensitive-data/>