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 README.md	Update README.md	2 years ago
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[README](#) 

# Serialized IDOR Exploit for Vision Helpdesk (<= v5.7.0)

## Description

This repository contains a proof-of-concept (PoC) exploit for a critical **Serialized Insecure Direct Object Reference (IDOR)** vulnerability in **Vision Helpdesk** versions <= 5.7.0. This vulnerability allows unauthorized access to user profile information by manipulating serialized data within cookies, specifically targeting the `vis_client_id` parameter.

## Affected Versions

- **Vision Helpdesk:** Versions <= 5.7.0

## Vulnerability Reference

- **CWE-639:** Insecure Direct Object Reference (IDOR)
- **WSTG-ATHZ-04:** Testing for Insecure Direct Object References

## Exploit Details

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By modifying the `vis_client_id` stored in a Base64-encoded serialized cookie, an attacker can iterate through user IDs and retrieve sensitive profile information, such as email addresses, first names, and last names.

## PoC Exploit

The included Python script automates the exploitation of the vulnerability:

1. Accepts the target URL and session cookie ( `PHPSESSID` ) as inputs.
2. Iterates over a range of possible `vis_client_id` values.
3. Extracts sensitive user data (email, first name, last name) from each profile it accesses.
4. Outputs the collected information into a text file.

## Requirements

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- **Python 3.x**
- **Requests** library (pip install requests)
- **BeautifulSoup** for HTML parsing (pip install beautifulsoup4)

## Usage

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1. Clone this repository: git clone <https://github.com/websec/vision-helpdesk-idor-exploit> cd vision-helpdesk-idor-exploit
2. Install dependencies: pip install -r requirements.txt
3. Run the script: python exploit.py
4. Provide the following inputs:
  - **URL:** The target helpdesk domain (e.g., <https://helpdesk.domain.com/index.php>).
  - **PHPSESSID:** The session ID of a logged-in user. (You have to login first, use your own session ID or change this code to automatically create account and obtain the session ID for you in case you want to make an improved version of this exploit)

The script will generate a Base64-encoded serialized cookie and attempt to retrieve user profile information for `vis_client_id` values starting from 1000. The output will be written to a file named `output.txt`.

## Disclaimer

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This code is for educational and research purposes only. Exploiting vulnerabilities without

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## Releases

No releases published

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## Packages

No packages published

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## Contributors 1



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## Languages

● Python 100.0%