Offensive Security

OSWE Exam Documentation

v1.0

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Contents

1   Offensive-Security OSWE Exam Documentation

The Offensive Security OSWE exam documentation contains all efforts that were con-
ducted in order to pass the Offensive Security Web Expert exam. This report will be
graded from a standpoint of correctness and fullness to all aspects of the exam. The
purpose of this report is to ensure that the student has the technical knowledge required
to pass the qualifications for the Offensive Security Web Expert certification.

The student will be required to fill out this exam documentation fully and to include the
following sections:

- Methodology walkthrough and detailed outline of steps taken

- Each finding with included screenshots, walkthrough, sample code, and proof.txt if
  applicable.

- Any additional items that were not included

2 192.168.XX.XX

2.1 Local.txt / Proof.txt

Provide the contents of local.txt and proof.txt

2.2 Vulnerability 1

Provide the method and code used to find the vulnerability 1.

2.3 Vulnerability 2

Provide the method and code used to find the vulnerability 2.

2.4 Vulnerability X

Provide the method and code used to find the vulnerability X

2.5 PoC Code

Provide the final proof of concept code used to gain access to the server.

```python
import numpy as np

def incmatrix(genl1,genl2):
    m = len(genl1)
    n = len(genl2)
    M = None #to become the incidence matrix
    VT = np.zeros((n*m,1), int)  #dummy variable

    #compute the bitwise xor matrix
    M1 = bitxormatrix(genl1)
    M2 = np.triu(bitxormatrix(genl2),1)

    for i in range(m-1):
        for j in range(i+1, m):
            [r,c] = np.where(M2 == M1[i,j])
            for k in range(len(r)):
                VT[(i)*n + r[k]] = 1;
                VT[(i)*n + c[k]] = 1;
                VT[(j)*n + r[k]] = 1;
                VT[(j)*n + c[k]] = 1;

                if M is None:
```

```
                    M = np.copy(VT)
            else:
                M = np.concatenate((M, VT), 1)

            VT = np.zeros((n*m,1), int)

    return M
```

2.6   Screenshots

Provide screenshots of local.txt and proof.txt contents as stated in the Exam Control Panel Objectives.

3.0 Additional Items Not Mentioned in the Repor

This section is placed for any additional items that were not mentioned in the

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screenshot

![Offensive Security](www.offensive-security.com)

2.7 Steps

Provide a detailed account of your methodology in creating the exploits. The steps taken should be able to be easily followed and reproducible if necessary.

3 Additional Items Not Mentioned in the Report

This section is placed for any additional items that were not mentioned in the overall report.