Test Security Report

Code Revision: 1.0.0.0
Company: Acme Inc.
Report: TEST201018
Author: [Name]
Date: [Date]

VWA Security Report

VWA Security Report

TEST20101801 – SQLi – SEVERITY

Vulnerability Exploited: SQLi

Severity: [Critical, High, Medium, Low, Info]

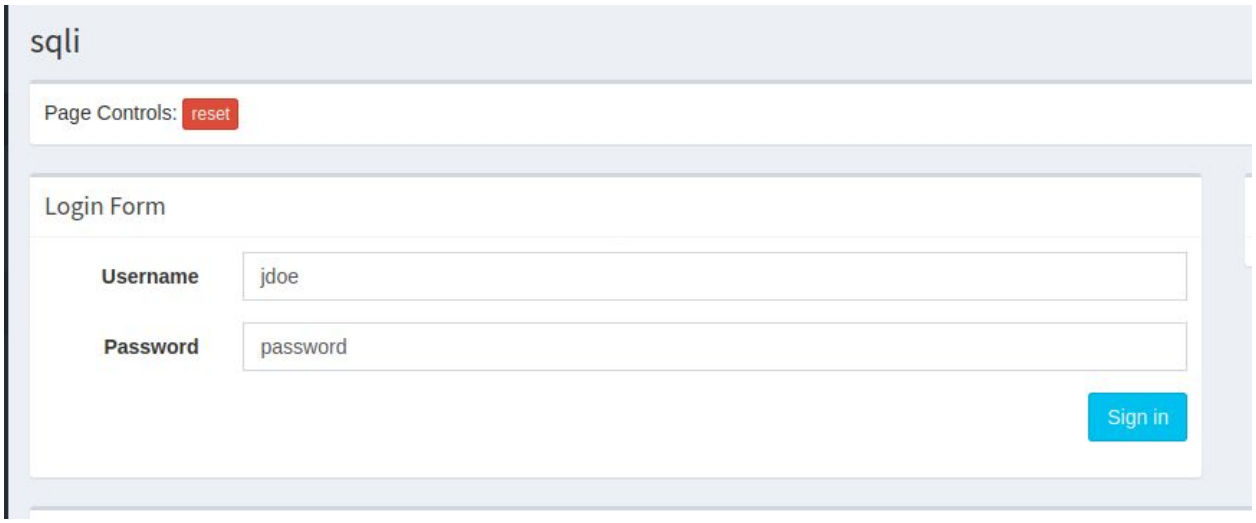
System: VWA Web Application

Vulnerability Explanation:

Summary of what was found

Vulnerability Walk-thru:

1. Got to the SQLi section of the application
2. On the page I noticed a login form



3. After looking at the network traffic flow, I can see that the login page is posting data back to the following http://0.0.0.0:3000/sqli/login.

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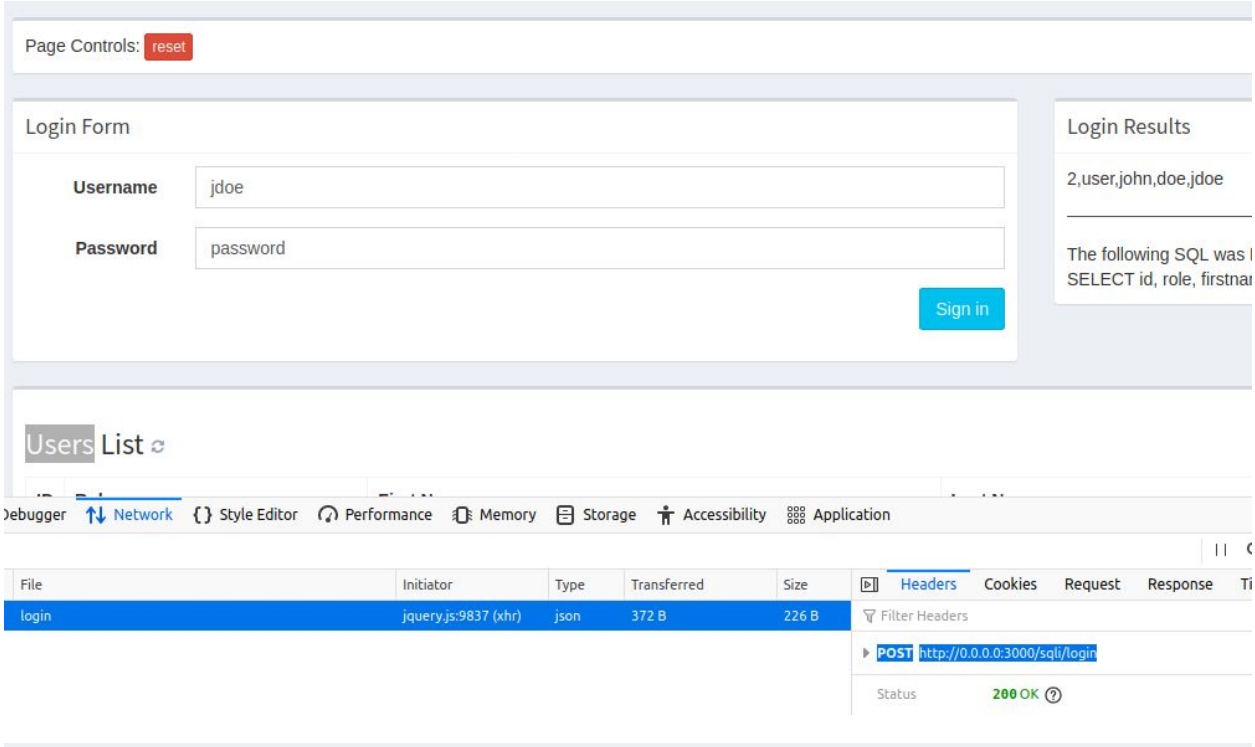

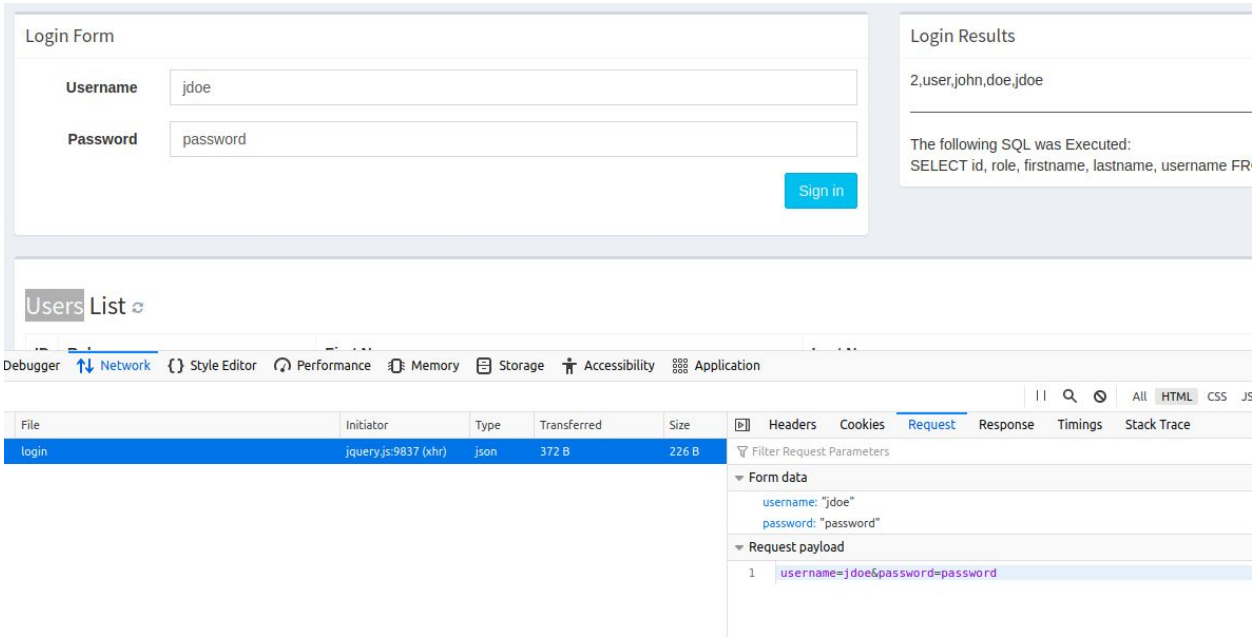

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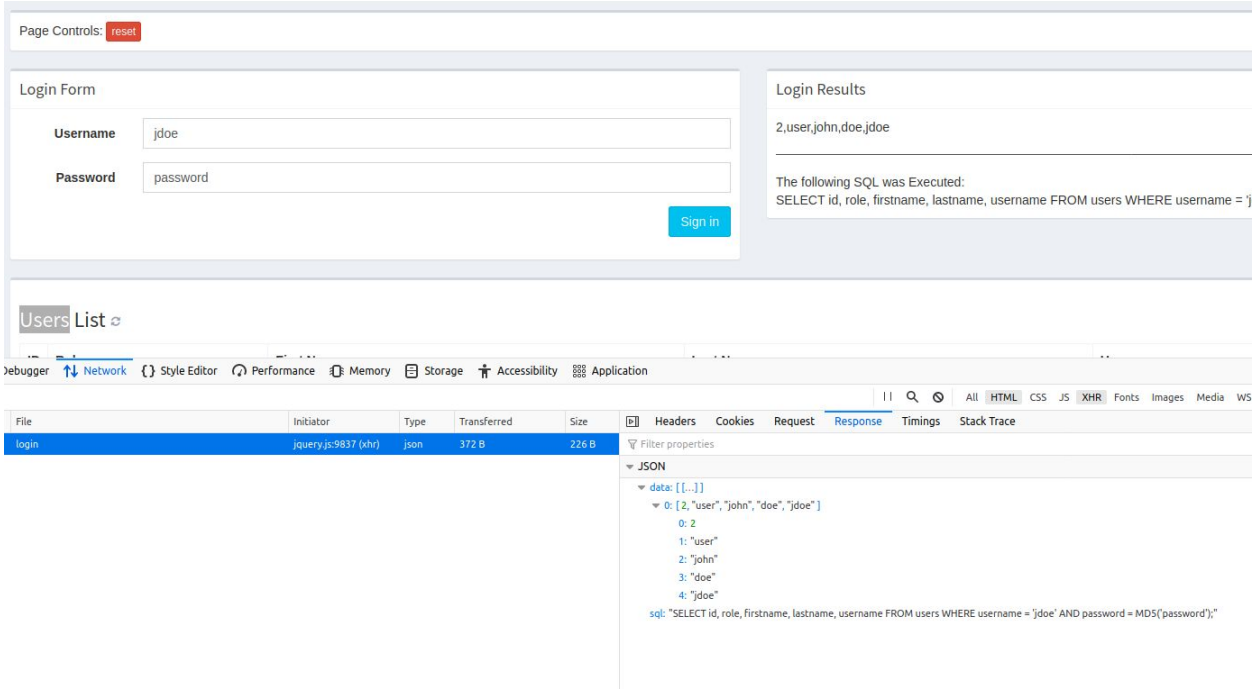

4. Next I used a simple SQLi “password' or 1=1--” to see if the login form is exploitable. This injection didn’t yield any results.
5. Next I used another SQLi “password') or 1=1--” to see if they are hashing or doing something else with that field.

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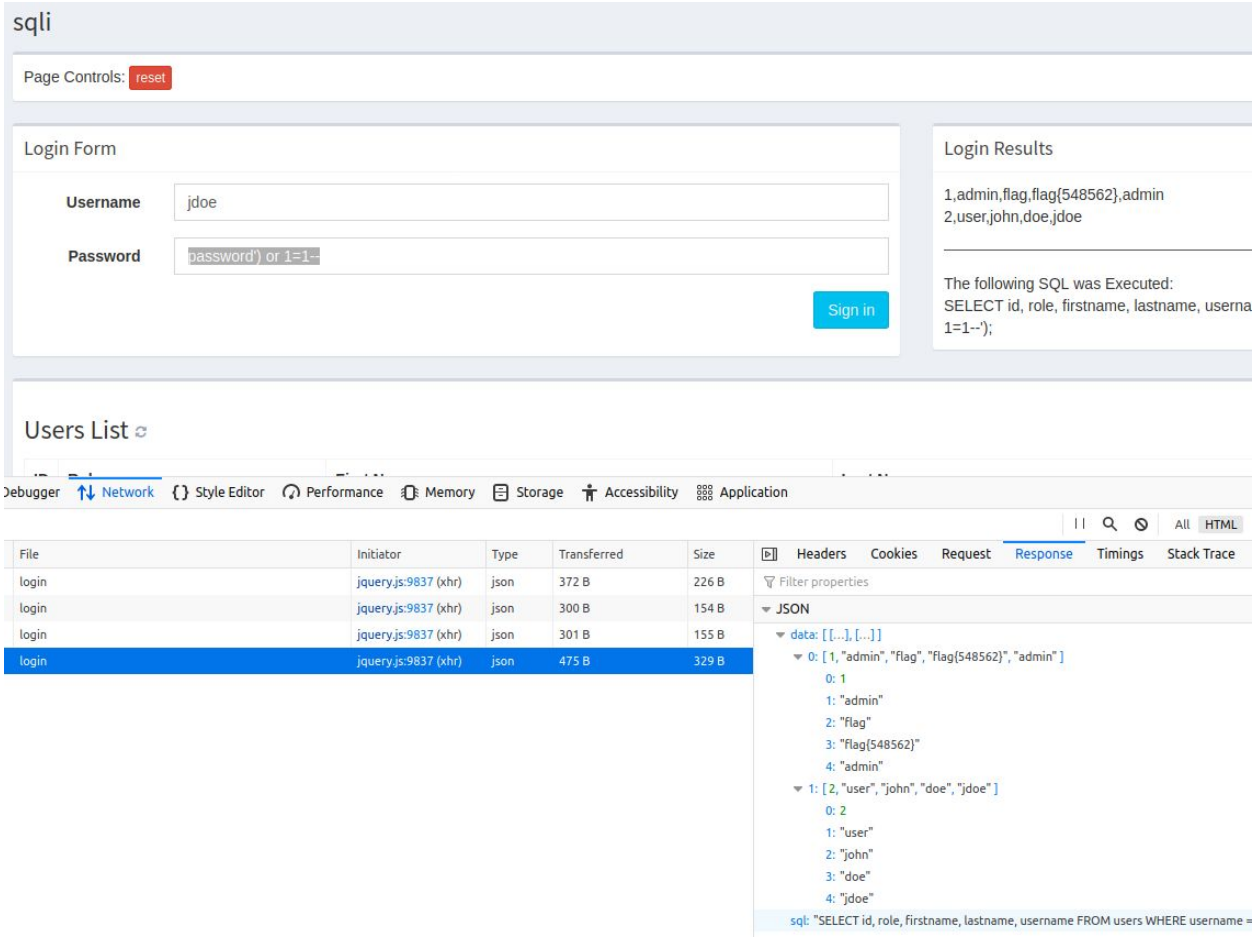


6. At this point I was able to inject the SQL and return all user info.

Recommendations:

Recommendation on either how to fix it or details on the best practice.

VWA Security Report

TEST20101802 – SQLi – SEVERITY

Vulnerability Exploited: SQLi

Severity: [Critical, High, Medium, Low, Info]

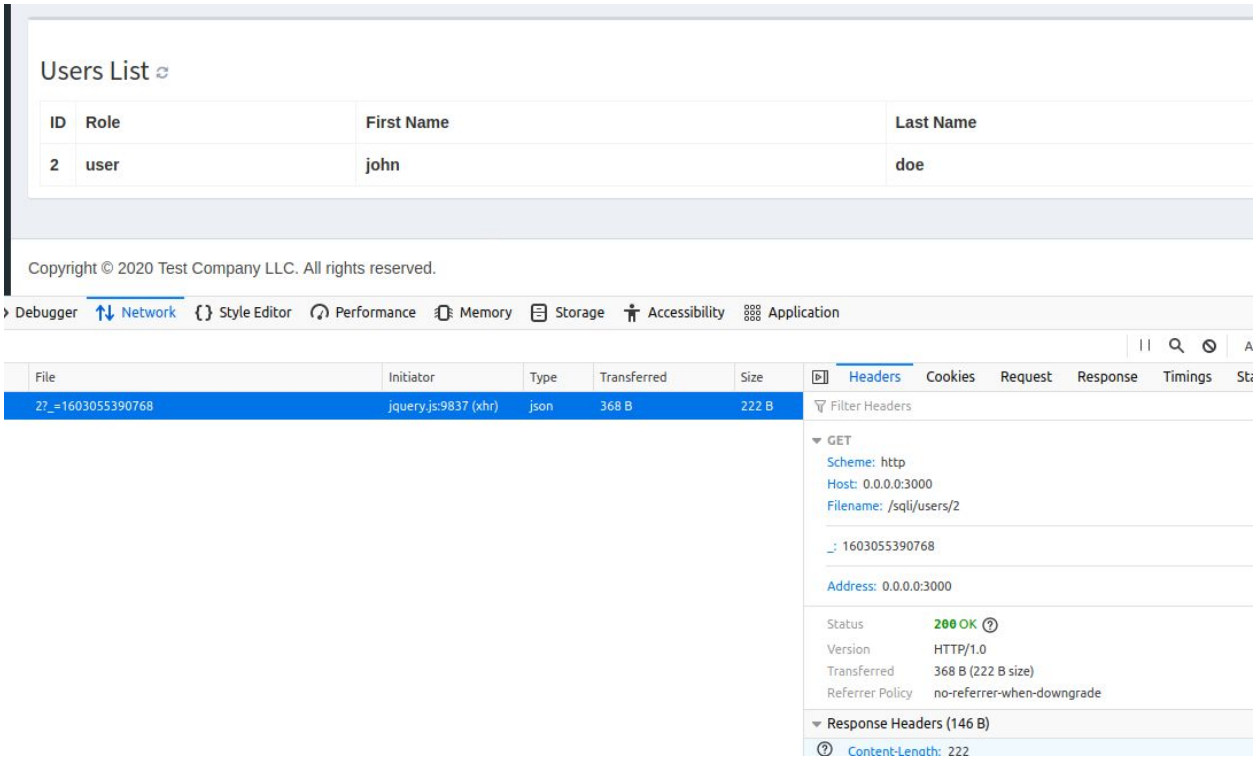
System: VWA Web Application

Vulnerability Explanation:

Summary of what was found

Vulnerability Walk-thru:

1. Got to the SQLi section of the application
2. Next I looked at the network flows and noticed that the userlist is using an async function to get the data it needed.



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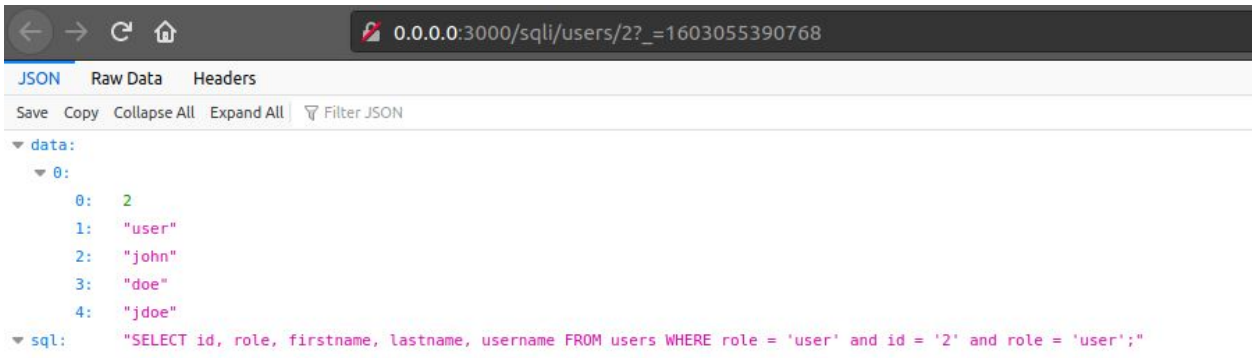
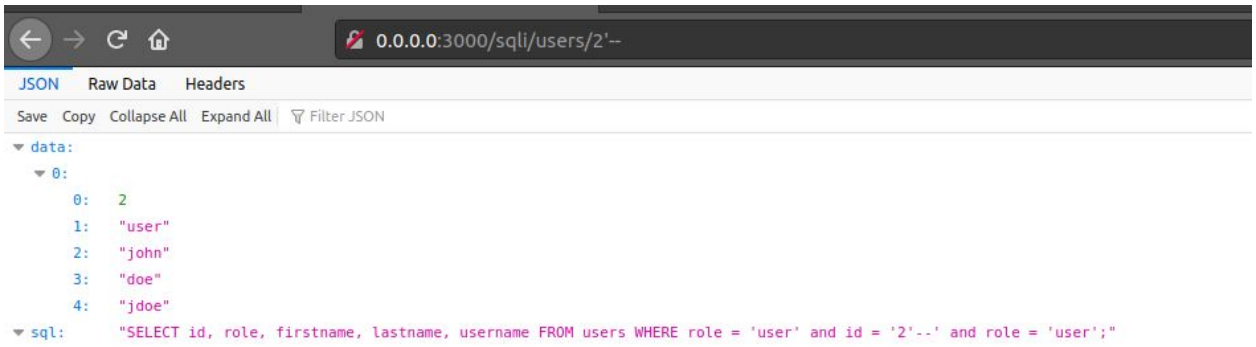


3. Then I did some basic tests to see if the async endpoint was vulnerable to SQLi.



4. After proving that this endpoint was injectable, I then crafted a SQLi that will expose all data in the table.

Recommendations:

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Recommendation on either how to fix it or details on the best practice.

VWA Security Report

TEST20101803 – XSS – SEVERITY

Vulnerability Exploited: XSS

Severity: [Critical, High, Medium, Low, Info]

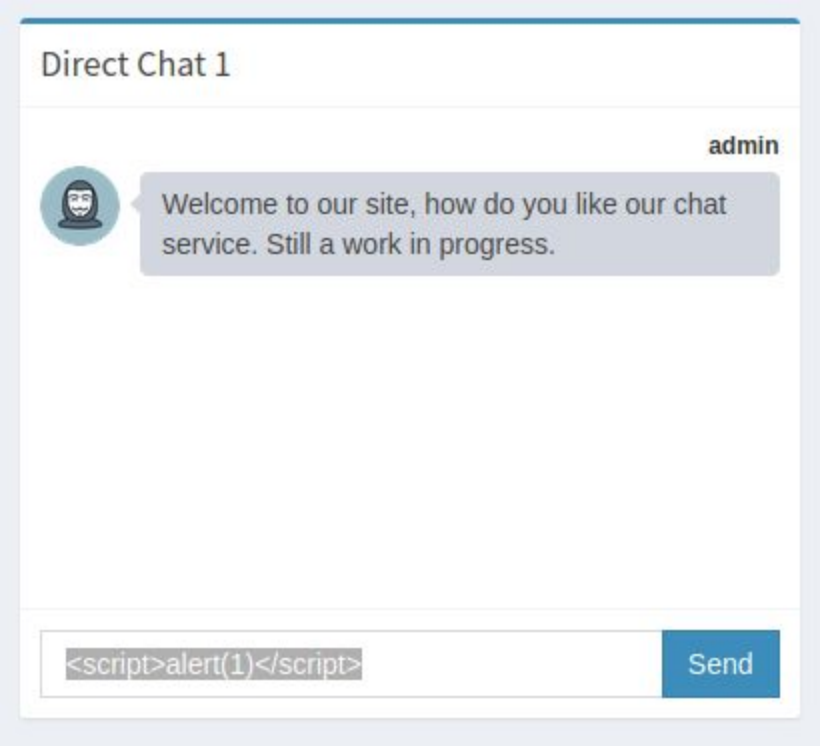
System: VWA Web Application

Vulnerability Explanation:

Summary of what was found

Vulnerability Walk-thru:

1. Go to the XSS Section
2. Next I check to see if Direct Chat 1 was exploitable to XSS
3. Using the following XSS I was able to inject a javascript alert in Direct Chat 1 "<script>alert(1)</script>".



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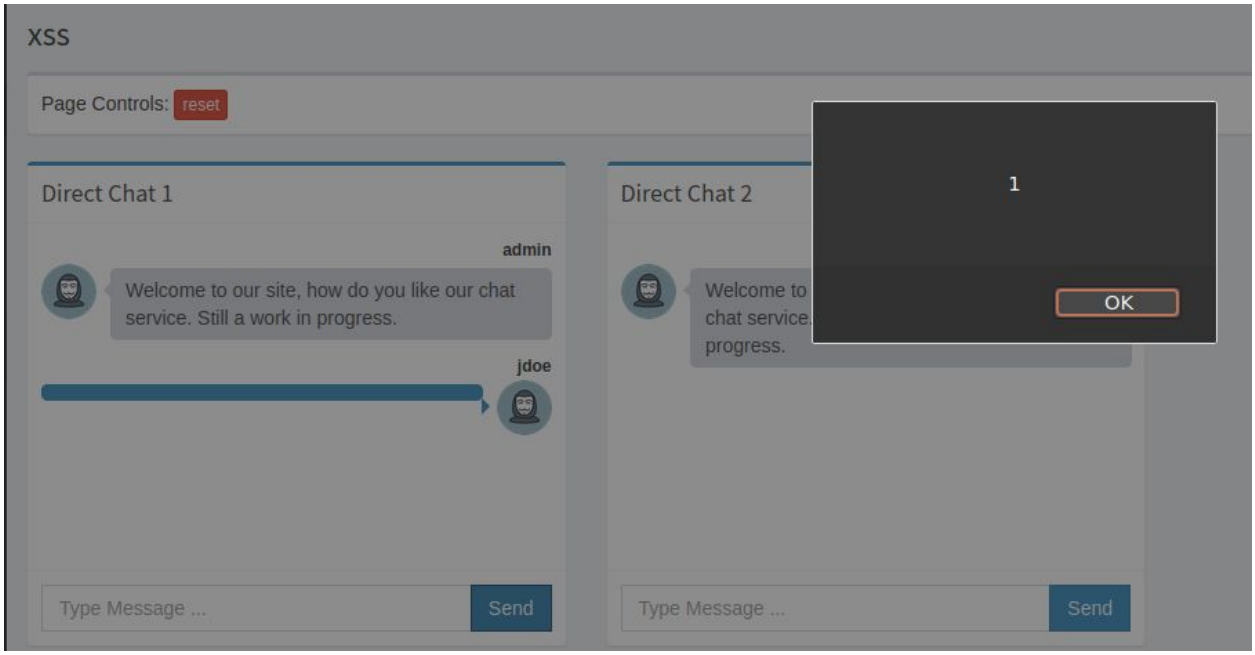


Recommendations:

Recommendation on either how to fix it or details on the best practice.

VWA Security Report

TEST20101804 – XSS – SEVERITY

Vulnerability Exploited: XSS

Severity: [Critical, High, Medium, Low, Info]

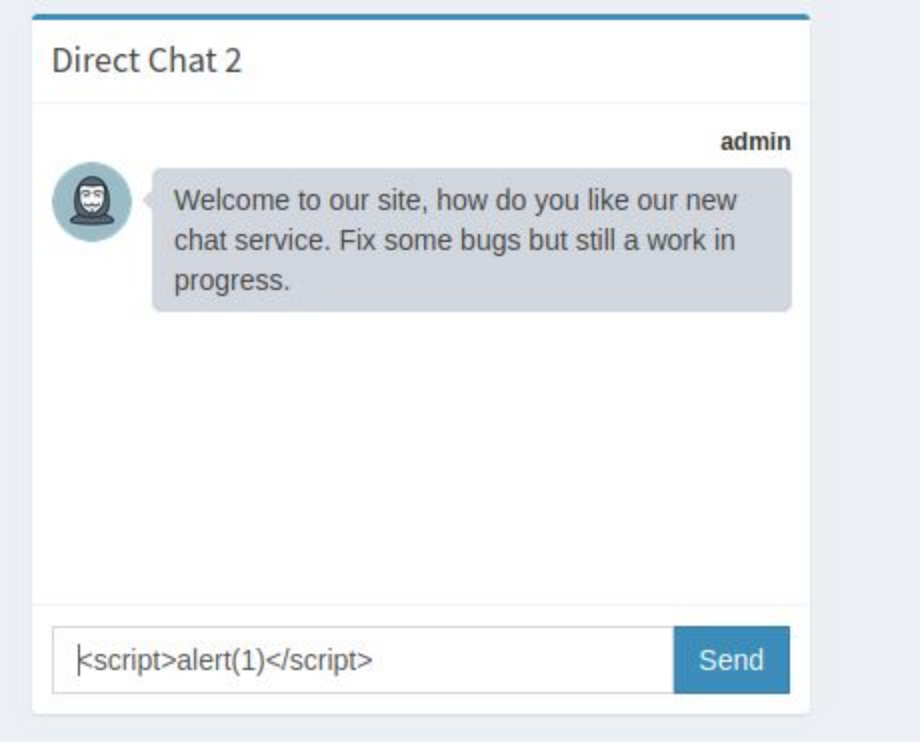
System: VWA Web Application

Vulnerability Explanation:

Summary of what was found

Vulnerability Walk-thru:

1. Go to the XSS Section
2. Next I check to see if Direct Chat 2 was exploitable to XSS
3. I first try a basic XSS "<script>alert(1)</script>" to see if the code is exploitable.



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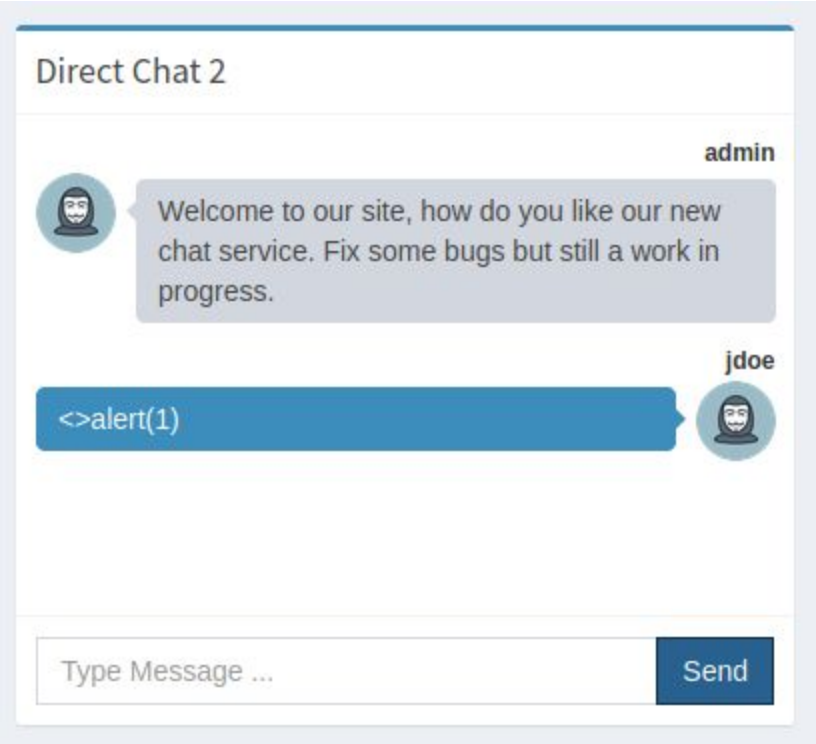

4. But the chat seems to be doing keyword replacement on the word “script”.
5. Next I try a more advanced XSS, by inserting a im tag and setting the src to a non exist file with a onerror exec.

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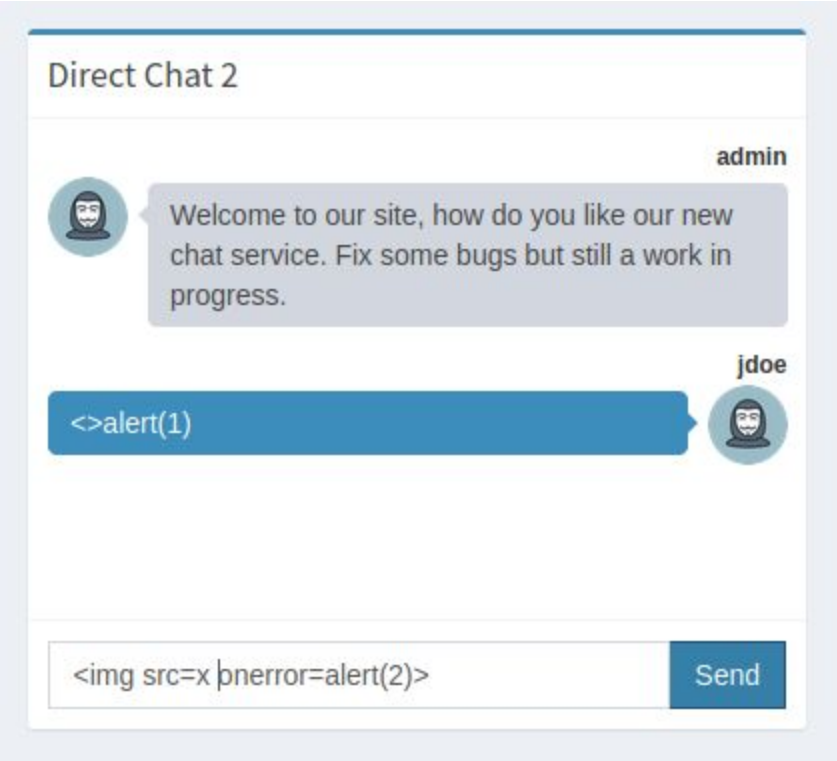

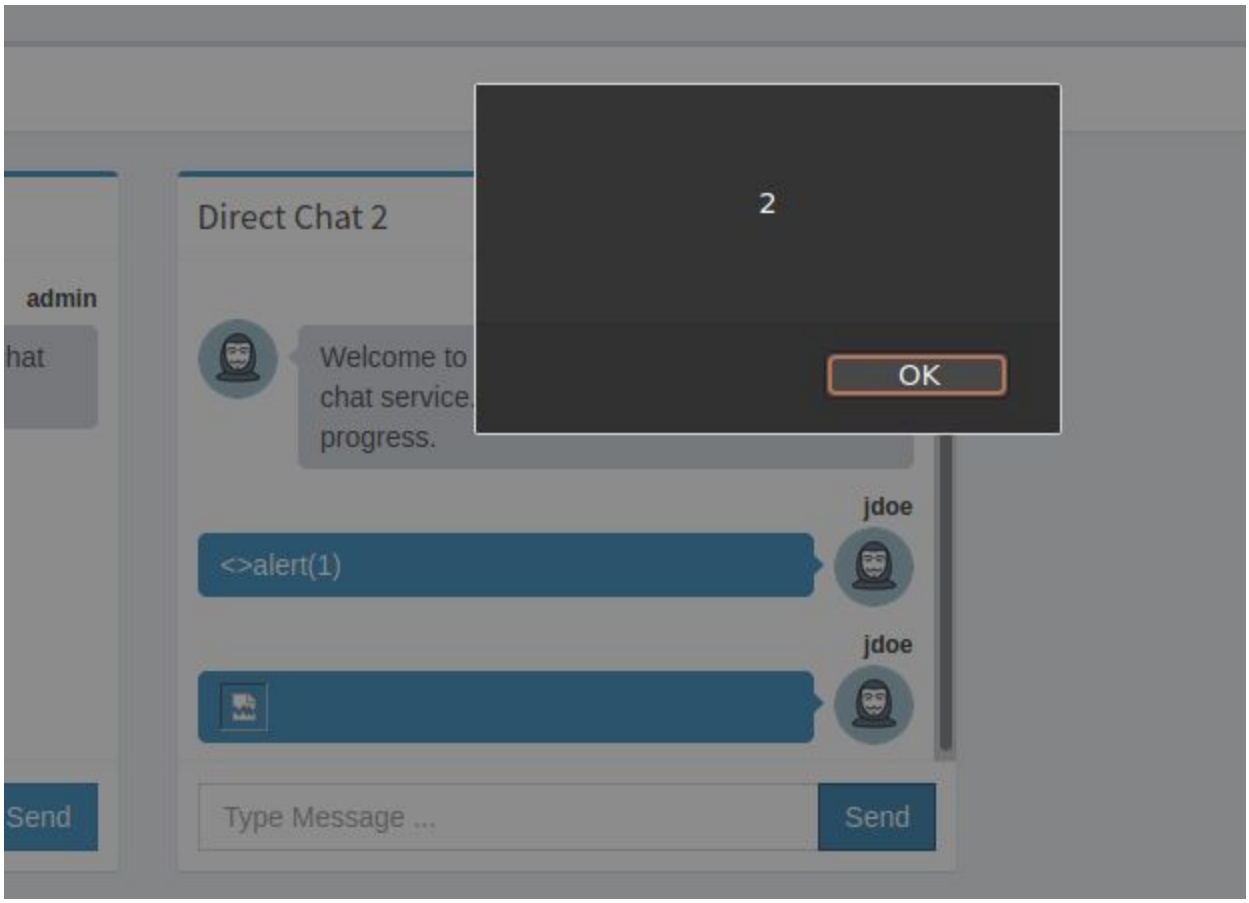

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Recommendations:

Recommendation on either how to fix it or details on the best practice.

VWA Security Report

TEST20101805 – Broken Auth - SEVERITY

Vulnerability Exploited: Broken Auth

Severity: [Critical, High, Medium, Low, Info]

System: VWA Web Application

Vulnerability Explanation:

Summary of what was found

Vulnerability Walk-thru:

1. Go to the Broken Auth Section
2. Using a python script call "bruteforce.py"
3. I ran the following cmd.
    a. python bruteforce.py -U test-username.txt -P test-password.txt -f False http://0.0.0.0:3000/brokenauth/
4. After a min of running it was a find a working username and password combination that allowed me to login.

```
python bruteforce.py -U test-username.txt -P test-password.txt -f False http://0.0.0.0:3000/brokenauth/
[+] Login Found! {'username': 'test', 'password': 'klaster'}
This is a demo code used for this training.
```

Recommendations:

Recommendation on either how to fix it or details on the best practice.

VWA Security Report

TEST20101806 – Broken Auth - SEVERITY

Vulnerability Exploited: Broken Auth

Severity: [Critical, High, Medium, Low, Info]

System: VWA Web Application

Vulnerability Explanation:

Summary of what was found

Vulnerability Walk-thru:

1. Go to the Broken Auth Section
2. Using a python script call "bruteforce.py"
3. I ran the following cmd.
    a. python bruteforce.py -U test-username.txt -P test-password.txt -f False http://0.0.0.0:3000/brokenauth/
4. After a min of running it was a find a working username and password combination that allowed me to login.

```
python bruteforce.py -U test-username.txt -P test-password.txt -f False http://0.0.0.0:3000/brokenauth/login2
[+] Login Found! {'username': 'user', 'password': 'dragon'}
This is a demo code used for this training.
```

Recommendations:

Recommendation on either how to fix it or details on the best practice.