Client Interview - Summary Report Template

Designed to capture detailed information about an organization's network and systems infrastructure.

Organization Information

- 1. Organization Name:
- 2. Contact Person:

Scope and Drivers

- 1. Target Systems: https://demo-compliance.
- 2. **Testing Drivers:**
- 3. Business Drivers: Scheduling

and Logistics

- 1. Start Date: 6/25/24
- 2. End Date:7/9/24
- 3. Expected Duration: 3 Weeks
- 4. Outside Working Hours: No

System and Infrastructure

- 1. Critical Systems on Target IP Addresses: No
- 2. Public IP Addresses: 172. ; 104.
- 3. Cloud Environment: AWS
- 4. Company Domain Names: https://demo-compliance.

Additional Information

- 1. Known Vulnerabilities
 - 1. SSL Medium Strength Cipher Supported (SWEET32).
 - 2. TLS Version 1.0 Protocol Detection & 1.1 Deprecated Protocol.
 - 3. Email Address Disclosed
 - 4. Credit Card Numbers Disclosed
- 2. Security Documentation: N/A

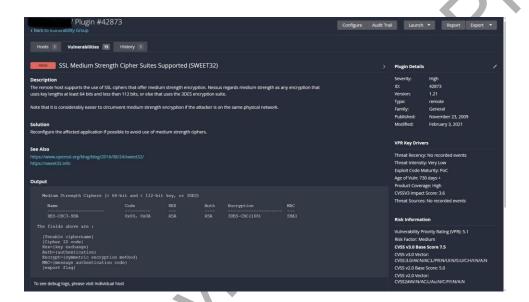
Testing Exclusions

- 1. **Specific systems or functionalities:** (Explain why these are excluded)
- 2. **Data or environments:** (Explain why these are excluded)

Nessus Findings

All vulnerabilities (including those classified as Low):

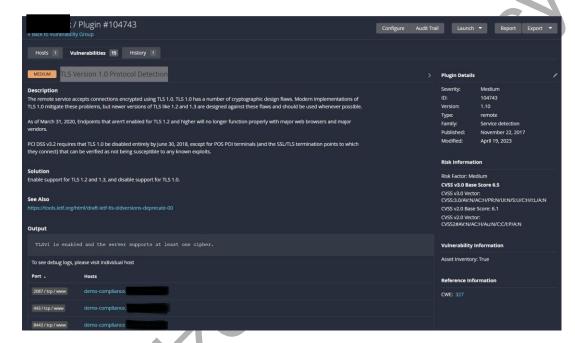
- URL: demo-compliance.
- Nessus Plugin ID: 42873
- Vulnerability name: SSL Medium Strength Cipher Supported (SWEET32)
- Description: The remote host supports the use of SSL ciphers that offer medium-strength encryption. Nessus regards medium-strength encryption as any encryption that uses key lengths of at least 64 bits and less than 112 bits, or that uses the 3DES encryption suite.
- CVE: 2016-2183
- CVSS Score: 7.5
- Likelihood: Medium Risk
- Consequence & Impact: Data exposure, man-in-the-middle attacks, loss of confidentiality and integrity, compliance issues, decreased trust, and operational impact.
- Recommendation: Disable 64-bit Block Ciphers, Use Stronger Ciphers, Keep Systems Updated, and Audit and Test Configurations.
- Screenshots of scan results:



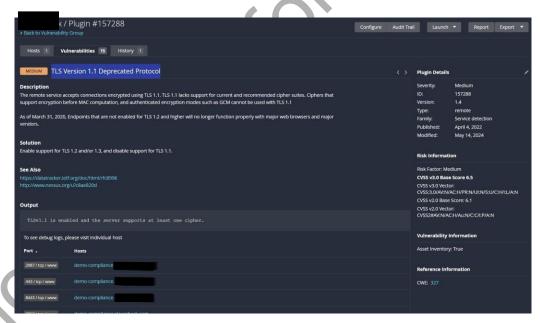
- URL 2.: demo-compliance.
- Nessus Plugin ID: 104743
- Vulnerability name: TLS Version 1.0 Protocol Detection
- Description: The remote service accepts connections encrypted using TLS 1.0. TLS 1.0 has several cryptographic design flaws. Modern implementations of TLS 1.0 mitigate these

problems, but newer versions of TLS like 1.2 and 1.3 are designed against these flaws and should be used whenever possible.

- CVE:
- CVSS Score: 6.5
- Likelihood: Medium Risk
- Consequence & Impact: Weak Encryption can allow attackers to decrypt data transmitted between a client and server. This can expose the client to Beast Attacks, Poodle Attacks, and Downgrade Attacks.
- Recommendations: Disable TLS 1.0 Reconfiguration Servers, update all software, conduct regular audits, and educate and train staff.
- Screenshots of scan results:



- URL 3.: demo-compliance.
- Nessus Plugin ID: 157288
- Vulnerability name: TLS Version 1.1 Deprecated Protocol
- Description: The remote service accepts connections encrypted using TLS 1.1. TLS 1.1 lacks support for current and recommended cipher suites. Ciphers that support encryption before MAC computation and authenticated encryption modes such as GCM cannot be used with TLS 1.1
- CVE:
- CVSS Score: 6.5
- Likelihood: Medium Risk
- Consequence & Impact: Weak Encryption can allow attackers to decrypt data transmitted between a client and server. This causes compliance issues and will have operational implications.
- Recommendations: Disable TLS 1.1, Update software, educate and train staff, and implement stronger protocols.
 - Screenshots of scan results:



"Informational" findings (list)

- HTTP (Multiple Issues)
- IETF Md5 (Multiple Issues)
- Web Server (Multiple Issues)
- Service Detection
- Nessus SYN Scanner

- SSL Certificate Chain Contains Certificates Expiring Soon
- Common Platform Enumeration (CPE)
- Device Type
- Nessus Scan Information
- OS Identification
- TCP/IP Timestamp Supported
- Traceroute Information

NMAP scan results Nmap

Findings

- Hostname: demo-compliance. IP1: 104.
- Ports Open:443/80/8080/8443 o TCP:104.
- Nmap command used: sudo nmap –script vuln -v demo-compliance.slavecheck.com
- Observations: phpMyAdmin allows remote attackers to include local users' denial of service
 - CVE-2005-3299
- Screenshots of scan results:

```
--(kali© kali)-[~]
-$ sudo nmap --script vuln -v demo-compliance.s
Starting Nmap 7.945VN ( https://nmap.org ) at 2024-87-19 81:31 UTC
NSE: Loaded 105 scripts for scanning.
NSE: Script Pre-scanning.
Initiating NSE at 61:31
Completed NSE at 81:31, 10.01s elapsed
Initiating NSE at 81:31, 0.08s elapsed
Initiating Ping Scan at 81:31
Scanning demo-compliance.
completed Ping Scan at 81:31, 0.08s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 81:31
Completed Pang Scan at 81:31, 0.08s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 81:31
Completed Pang Scan at 81:31
Completed 
Completed Parallel DNS resolution of 1 host. at 01:31
Completed Parallel DNS resolution of 1 host. at 01:31
Completed Parallel DNS resolution of 1 host. at 01:31
Scanning demo-compliance. .com (104.. [1000 ports]
Discovered open port 403/tcp on 104..
Discovered open port 8080/tcp on 104..
Discovered open port 8080/tcp on 104..
Discovered open port 84043/tcp on 104.
Completed SVN Stealth Scan at 01:31, 4.75s elapsed (1000 total ports)
NSE: Script scanning 104.
Initiating NSE at 01:31
Stats: 0:07:59 elapsed; 0 hosts completed (1 up), 1 undergoing Script Scan
NSE: Active NSE Script Threads: 1 (1 waiting)
NSE Timing: About 99.75% done; ETC: 01:39 (0:00:01 remaining)
Stats: 0:08:07 elapsed; 0 hosts completed (1 up), 1 undergoing Script Scan
NSE: Active NSE Script Threads: 1 (1 waiting)
NSE Timing: About 99.75% done; ETC: 01:39 (0:00:01 remaining)
Stats: 0:08:18 elapsed; 0 hosts completed (1 up), 1 undergoing Script Scan
NSE: Active NSE Script Threads: 1 (1 waiting)
NSE Timing: About 99.75% done; ETC: 01:39 (0:00:01 remaining)
Stats: 0:08:19 elapsed; 0 hosts completed (1 up), 1 undergoing Script Scan
NSE: Active NSE Script Threads: 1 (1 waiting)
NSE Timing: About 99.75% done; ETC: 01:39 (0:00:01 remaining)
Stats: 0:08:19 elapsed; 0 hosts completed (1 up), 1 undergoing Script Scan
NSE: Active NSE Script Threads: 1 (1 waiting)
NSE Timing: About 99.75% done; ETC: 01:39 (0:00:01 remaining)
Stats: 0:08:20 elapsed; 0 hosts completed (1 up), 1 undergoing Script Scan
NSE: Active NSE Script Threads: 1 (1 waiting)
NSE Timing: About 99.75% done; ETC: 01:39 (0:00:02 remaining)
Completed NSE at 02:01, 1761.63s elapsed
Initiating NSE at 02:01, 1761.63s elapsed
Nap scan report for demo-compliance.
Completed NSE at 02:01, 1761.63s elapsed
Nap scan report for demo-compliance.
Obstre daddresses for demo-c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2606:4700:3037::6815:34d7 2606:4700:3034::ac43:ccld
                              STATE SERVICE

30/tcp open http

Lhttp-dombased-xss: Couldn't find any DOM based XSS.
_http-csrt Couldn't find any CSRF vulnerabilities.
_http-stored-xss: Couldn't find any ctored XSS vulnerabilities.
##/tcp open https

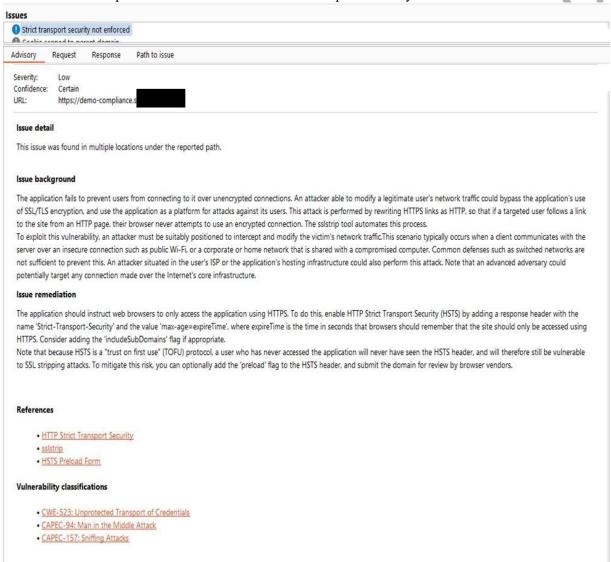
http-phpmyadmin-dir-craversal:
VUN.NRABLE:
phpMyAdmin grab_globals.lib.php subform Parameter Traversal Local File Inclusion
State: UNHONAM (unable to test)

IDs: CVE:CVE-2085-3299
PMP file inclusion vulnerability in grab_globals.lib.php in phpMyAdmin 2.6.4 and 2.6.4-pl1 allows remote attackers to include local files via the $_redirect parameter, po
ssibly involving the subform array.
           Disclosure date: 2005-10-nil
Extra information:
.//.//./etc/passed:
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.//
                                  http-vuln-cvezoro-0730.
//jmx-console/: Authentication was not required
http-enum:
/blog/: Blog
/weblog/: Blog
/weblog/: Blog
/weblog/: Blog
/weblog/: Blog
/wika/: Wiki
/madiawiki/: Wiki
/madiawiki/: Wiki
/madiawiki/: Wiki
/maki/Main-Page: Wiki
/tikiwiki/: Tikiwiki
/cgi-bin/mj_wmwusr: Najordomo2 Mailing List
/majordomo/mj_wmwusr: Najordomo2 M
```

BurpSuite Findings

All vulnerabilities (including those classified as Low):

- URL:: https://demo-compliance
- Vulnerability name: Strict Transport Security Not Enforced
- Description: The application fails to prevent users from connecting to it over unencrypted connections.
- Vulnerability Classification: Low
- Risk: CWE-523
- Confidence: Certain
- Solution (Recommendation):: Enable HTTP Strict Transport Security (HSTS) by adding a response header with name 'Strict-Transport-Security'.



"Informational" findings (list):

- Cookie scoped to parent domain
- · Email address disclosed
- Credit card numbers disclosed

Additional Observations

[Any additional notes that the assessor finds relevant]

Preliminary Conclusions

- The website's overall health is not at tremendous risk; most seem outdated.
- An upgrade may be made if it meets the company's budget.

False positives

• The credit card information pulled up seems like a false positive as it looks more like a phone number. Also, SlaveCheck does not provide those services.

Next Steps

- Check each code that pulled up in the scans and access the risk associated and make sure that they are actual risk
- Discuss findings with teammates and put together the presentation for the client.

Appendix: Documenting vulnerabilities - Explanation

- **Vulnerability**: Enter the descriptive name assigned to the vulnerability by the testing tool (Nessus, OpenVas, etc.). This name should clearly explain the issue.
- **Description**: Provide a brief description of the vulnerability. This information can often be found in the testing tool's output details section. The description should explain the vulnerability and how it can be exploited.
- Risk Rating: Record the overall risk score assigned by the testing tool. This score typically
 combines the likelihood and consequence of the vulnerability
- **Likelihood:** In this section, students should **estimate** the likelihood of the vulnerability being exploited. They can consider factors such as:
 - a. **Prevalence of exploit code:** Is there readily available exploit code for this vulnerability?
 - b. **Exploit difficulty:** How technically challenging is it to exploit this vulnerability?
 - c. Value of the target: Is your system or data a high-value target for attackers?
 - d. **Patch availability:** Is a patch available to fix the vulnerability? Students should use their understanding of the vulnerability and the environment to make an informed iudgment about the likelihood of exploitation.
- Consequence: In this section, students should analyze the potential consequences of exploiting the vulnerability. They can consider the same factors mentioned for Impact but with a focus on the severity of the potential damage:
 - a. **Confidentiality:** What sensitive data could be exposed if exploited?

- b. Integrity: How critical could the systems or data be compromised?
- c. **Availability:** What would impact a system or service outage?
- d. **Financial Loss:** Could the vulnerability lead to significant financial losses? By considering these factors, students can assess the potential severity of the consequences if the vulnerability is exploited.
- **CVE:** Enter the unique identifier for the specific vulnerability identified by the testing tool (Nessus, OpenVas, etc.). This will typically be a code like CVE-2023-XXXX
- **CVSS:** Enter the CVSS score assigned by the testing tool. The CVSS score (0.0-10.0) reflects the severity of the vulnerability
- **Recommendation:** Provide recommendations for fixing the vulnerability. This may involve patching the system, disabling the affected service, or taking other steps to mitigate the risk