Scan Report

March 29, 2023

Summary

This document reports on the results of an automatic security scan. All dates are displayed using the timezone "Coordinated Universal Time", which is abbreviated "UTC". The task was "Ubuntu machine". The scan started at Wed Mar 29 00:21:04 2023 UTC and ended at Wed Mar 29 00:42:05 2023 UTC. The report first summarises the results found. Then, for each host, the report describes every issue found. Please consider the advice given in each description, in order to rectify the issue.

Contents

1 Result Overview

Host	High	Medium	Low	Log	False Positive
192.168.1.6	0	3	2	0	0
Total: 1	0	3	2	0	0

Vendor security updates are not trusted.
Overrides are off. Even when a result has an override, this report uses the actual threat of the result.
Information on overrides is included in the report.
Notes are included in the report.
This report might not show details of all issues that were found.
Issues with the threat level “Log” are not shown.
Issues with the threat level “Debug” are not shown.
Issues with the threat level “False Positive” are not shown.
Only results with a minimum QoD of 70 are shown.

This report contains all 5 results selected by the filtering described above. Before filtering there were 119 results.

1.1 Host Authentications

Host	Protocol	Result	Port/User
192.168.1.6	SMB	Success	Protocol SMB, Port 445, User

2 Results per Host

2.1 192.168.1.6

Host scan start	Wed Mar 29 00:23:02 2023 UTC
Host scan end	Wed Mar 29 00:41:59 2023 UTC

Service (Port)	Threat Level
23/tcp	Medium
21/tcp	Medium
general/icmp	Low
general/tcp	Low

2.1.1 Medium 23/tcp

Medium (CVSS: 4.8)
NVT: Telnet Unencrypted Cleartext Login

Summary
The remote host is running a Telnet service that allows cleartext logins over unencrypted connections.

Vulnerability Detection Result
Vulnerability was detected according to the Vulnerability Detection Method.

Impact
An attacker can uncover login names and passwords by sniffing traffic to the Telnet service.

Solution:
Solution type: Mitigation
Replace Telnet with a protocol like SSH which supports encrypted connections.

Vulnerability Detection Method
Details: `Telnet Unencrypted Cleartext Login`
OID:1.3.6.1.4.1.25623.1.0.108522
Version used: `2020-08-24T08:40:10Z`

[return to 192.168.1.6]

2.1.2 Medium 21/tcp

Medium (CVSS: 6.4)
NVT: Anonymous FTP Login Reporting

Summary
Reports if the remote FTP Server allows anonymous logins.

Vulnerability Detection Result

```
It was possible to login to the remote FTP service with the following anonymous
↪account(s):
anonymous:anonymous@example.com
ftp:anonymous@example.com
```

Impact
Based on the files accessible via this anonymous FTP login and the permissions of this account an attacker might be able to:
- gain access to sensitive files
- upload or delete files.

Solution:
Solution type: Mitigation

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If you do not want to share files, you should disable anonymous logins.

Vulnerability Insight

A host that provides an FTP service may additionally provide Anonymous FTP access as well. Under this arrangement, users do not strictly need an account on the host. Instead the user typically enters 'anonymous' or 'ftp' when prompted for username. Although users are commonly asked to send their email address as their password, little to no verification is actually performed on the supplied data.

Remark: NIST don't see 'configuration issues' as software flaws so the referenced CVE has a severity of 0.0. The severity of this VT has been raised by Greenbone to still report a configuration issue on the target.

Vulnerability Detection Method

Details: `Anonymous FTP Login Reporting`

OID:1.3.6.1.4.1.25623.1.0.900600

Version used: `2021-10-20T09:03:29Z`

References

`cve: CVE-1999-0497`

Medium (CVSS: 4.8)
NVT: FTP Unencrypted Cleartext Login

Summary

The remote host is running a FTP service that allows cleartext logins over unencrypted connections.

Vulnerability Detection Result

```
The remote FTP service accepts logins without a previous sent 'AUTH TLS' command
↪. Response(s):
Anonymous sessions:     331 Please specify the password.
Non-anonymous sessions: 331 Please specify the password.
```

Impact

An attacker can uncover login names and passwords by sniffing traffic to the FTP service.

Solution:

Solution type: Mitigation

Enable FTPS or enforce the connection via the 'AUTH TLS' command. Please see the manual of the FTP service for more information.

Vulnerability Detection Method

Tries to login to a non FTPS enabled FTP service without sending a 'AUTH TLS' command first and checks if the service is accepting the login without enforcing the use of the 'AUTH TLS' command.

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Details: `FTP Unencrypted Cleartext Login`
OID:1.3.6.1.4.1.25623.1.0.108528
Version used: `2020-08-24T08:40:10Z`

[return to 192.168.1.6]

2.1.3 Low general/icmp

Low (CVSS: 2.1)
NVT: ICMP Timestamp Reply Information Disclosure

Summary
The remote host responded to an ICMP timestamp request.

Vulnerability Detection Result
Vulnerability was detected according to the Vulnerability Detection Method.

Solution:
Solution type: Mitigation
Various mitigations are possible:
- Disable the support for ICMP timestamp on the remote host completely
- Protect the remote host by a firewall, and block ICMP packets passing through the firewall in either direction (either completely or only for untrusted networks)

Vulnerability Insight
The Timestamp Reply is an ICMP message which replies to a Timestamp message. It consists of the originating timestamp sent by the sender of the Timestamp as well as a receive timestamp and a transmit timestamp. This information could theoretically be used to exploit weak time-based random number generators in other services.

Vulnerability Detection Method
Details: `ICMP Timestamp Reply Information Disclosure`
OID:1.3.6.1.4.1.25623.1.0.103190
Version used: `2022-11-18T10:11:40Z`

References
```
cve: CVE-1999-0524
url: http://www.ietf.org/rfc/rfc0792.txt
cert-bund: CB-K15/1514
cert-bund: CB-K14/0632
dfn-cert: DFN-CERT-2014-0658
```

[return to 192.168.1.6]

2.1.4 Low general/tcp

Low (CVSS: 2.6)
NVT: TCP timestamps

Summary
The remote host implements TCP timestamps and therefore allows to compute the uptime.

Vulnerability Detection Result

```
It was detected that the host implements RFC1323/RFC7323.
The following timestamps were retrieved with a delay of 1 seconds in-between:
Packet 1: 3503625356
Packet 2: 3503626424
```

Impact
A side effect of this feature is that the uptime of the remote host can sometimes be computed.

Solution:
Solution type: Mitigation
To disable TCP timestamps on linux add the line 'net.ipv4.tcp_timestamps = 0' to /etc/sysctl.conf. Execute 'sysctl -p' to apply the settings at runtime.
To disable TCP timestamps on Windows execute 'netsh int tcp set global timestamps=disabled'
Starting with Windows Server 2008 and Vista, the timestamp can not be completely disabled.
The default behavior of the TCP/IP stack on this Systems is to not use the Timestamp options when initiating TCP connections, but use them if the TCP peer that is initiating communication includes them in their synchronize (SYN) segment.
See the references for more information.

Affected Software/OS
TCP implementations that implement RFC1323/RFC7323.

Vulnerability Insight
The remote host implements TCP timestamps, as defined by RFC1323/RFC7323.

Vulnerability Detection Method
Special IP packets are forged and sent with a little delay in between to the target IP. The responses are searched for a timestamps. If found, the timestamps are reported.
Details: `TCP timestamps`
OID:1.3.6.1.4.1.25623.1.0.80091
Version used: `2020-08-24T08:40:10Z`

References

```
url: http://www.ietf.org/rfc/rfc1323.txt
url: http://www.ietf.org/rfc/rfc7323.txt
url: https://web.archive.org/web/20151213072445/http://www.microsoft.com/en-us/d
↪ownload/details.aspx?id=9152
```

[return to 192.168.1.6]

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