



# Ubuntu Server

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Report generated by Tenable Nessus™

Fri, 29 Aug 2025 14:20:17 EDT

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## TABLE OF CONTENTS

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### Vulnerabilities by Host

• 192.168.2.103.....	4
----------------------	---

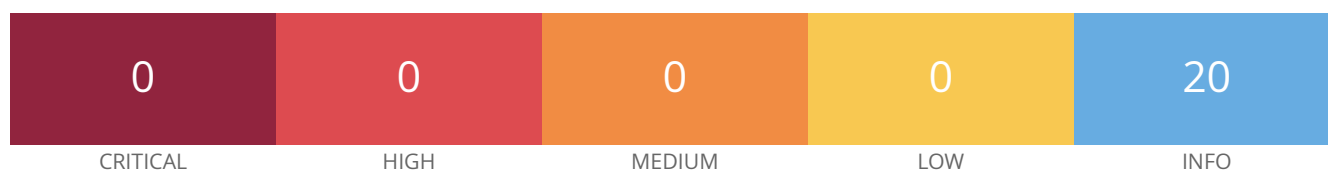
Nessus Essentials

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## Vulnerabilities by Host

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192.168.2.103



## Scan Information

Start time: Fri Aug 29 14:12:33 2025

End time: Fri Aug 29 14:20:16 2025

## Host Information

IP: 192.168.2.103

MAC Address: 00:15:5D:1A:01:24

OS: Cisco Catalyst 9200 Series Switches, Cisco Catalyst 9300 Series Switches, Cisco Catalyst IE9300 Rugged Series, Nutanix

## Vulnerabilities

### 39520 - Backported Security Patch Detection (SSH)

## Synopsis

Security patches are backported.

## Description

Security patches may have been 'backported' to the remote SSH server without changing its version number.

Banner-based checks have been disabled to avoid false positives.

Note that this test is informational only and does not denote any security problem.

## See Also

[https://access.redhat.com/security/updates/backporting/?sc\\_cid=3093](https://access.redhat.com/security/updates/backporting/?sc_cid=3093)

## Solution

n/a

## Risk Factor

None

#### Plugin Information

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Published: 2009/06/25, Modified: 2015/07/07

#### Plugin Output

---

tcp/22/ssh

```
Give Nessus credentials to perform local checks.
```

## 45590 - Common Platform Enumeration (CPE)

### Synopsis

It was possible to enumerate CPE names that matched on the remote system.

### Description

By using information obtained from a Nessus scan, this plugin reports CPE (Common Platform Enumeration) matches for various hardware and software products found on a host.

Note that if an official CPE is not available for the product, this plugin computes the best possible CPE based on the information available from the scan.

### See Also

<http://cpe.mitre.org/>

<https://nvd.nist.gov/products/cpe>

### Solution

n/a

### Risk Factor

None

### Plugin Information

Published: 2010/04/21, Modified: 2025/07/14

### Plugin Output

tcp/0

Following application CPE's matched on the remote system :

```
cpe:/a:openbsd:openssh:9.6 -> OpenBSD OpenSSH  
cpe:/a:openbsd:openssh:9.6p1 -> OpenBSD OpenSSH
```

## 35716 - Ethernet Card Manufacturer Detection

### Synopsis

The manufacturer can be identified from the Ethernet OUI.

### Description

Each ethernet MAC address starts with a 24-bit Organizationally Unique Identifier (OUI). These OUIs are registered by IEEE.

### See Also

<https://standards.ieee.org/faqs/regauth.html>

<http://www.nessus.org/u?794673b4>

### Solution

n/a

### Risk Factor

None

### Plugin Information

Published: 2009/02/19, Modified: 2020/05/13

### Plugin Output

tcp/0

The following card manufacturers were identified :

00:15:5D:1A:01:24 : Microsoft Corporation

## 86420 - Ethernet MAC Addresses

### Synopsis

This plugin gathers MAC addresses from various sources and consolidates them into a list.

### Description

This plugin gathers MAC addresses discovered from both remote probing of the host (e.g. SNMP and Netbios) and from running local checks (e.g. ifconfig). It then consolidates the MAC addresses into a single, unique, and uniform list.

### Solution

n/a

### Risk Factor

None

### Plugin Information

Published: 2015/10/16, Modified: 2025/06/10

### Plugin Output

tcp/0

```
The following is a consolidated list of detected MAC addresses:  
- 00:15:5D:1A:01:24
```



## 84047 - Hyper-V Virtual Machine Detection

### Synopsis

The remote host is a Hyper-V virtual machine.

### Description

According to the MAC address of its network adapter, the remote host is a Microsoft Hyper-V virtual machine.

### See Also

<http://www.nessus.org/u?76f71a39>

<http://www.nessus.org/u?344a6879>

### Solution

Since it is physically accessible through the network, ensure that its configuration matches your organization's security policy.

### Risk Factor

None

### Plugin Information

Published: 2015/06/09, Modified: 2025/07/14

### Plugin Output

tcp/0

```
The remote host is a Hyper-V virtual machine.
```

### Synopsis

---

It is possible to determine which TCP ports are open.

### Description

---

This plugin is a SYN 'half-open' port scanner. It shall be reasonably quick even against a firewalled target.

Note that SYN scans are less intrusive than TCP (full connect) scans against broken services, but they might cause problems for less robust firewalls and also leave unclosed connections on the remote target, if the network is loaded.

### Solution

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Protect your target with an IP filter.

### Risk Factor

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None

### Plugin Information

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Published: 2009/02/04, Modified: 2025/07/14

### Plugin Output

---

tcp/22/ssh

```
Port 22/tcp was found to be open
```

## 19506 - Nessus Scan Information

### Synopsis

This plugin displays information about the Nessus scan.

### Description

This plugin displays, for each tested host, information about the scan itself :

- The version of the plugin set.
- The type of scanner (Nessus or Nessus Home).
- The version of the Nessus Engine.
- The port scanner(s) used.
- The port range scanned.
- The ping round trip time
- Whether credentialed or third-party patch management checks are possible.
- Whether the display of superseded patches is enabled
- The date of the scan.
- The duration of the scan.
- The number of hosts scanned in parallel.
- The number of checks done in parallel.

### Solution

n/a

### Risk Factor

None

### Plugin Information

Published: 2005/08/26, Modified: 2025/06/25

### Plugin Output

tcp/0

Information about this scan :

```
Nessus version : 10.9.3
Nessus build : 20023
Plugin feed version : 202508281914
Scanner edition used : Nessus Home
Scanner OS : LINUX
Scanner distribution : debian10-x86-64
Scan type : Normal
Scan name : Ubuntu Server
```

```
Scan policy used : Advanced Scan
Scanner IP : 192.168.2.101
Port scanner(s) : nessus_syn_scanner
Port range : default
Ping RTT : 131.220 ms
Thorough tests : no
Experimental tests : no
Scan for Unpatched Vulnerabilities : no
Plugin debugging enabled : no
Paranoia level : 1
Report verbosity : 1
Safe checks : yes
Optimize the test : yes
Credentialed checks : no
Patch management checks : None
Display superseded patches : yes (supersedence plugin did not launch)
CGI scanning : disabled
Web application tests : disabled
Max hosts : 256
Max checks : 5
Recv timeout : 5
Backports : Detected
Allow post-scan editing : Yes
Nessus Plugin Signature Checking : Enabled
Audit File Signature Checking : Disabled
Scan Start Date : 2025/8/29 14:12 EDT (UTC -04:00)
Scan duration : 455 sec
Scan for malware : no
```

## 209654 - OS Fingerprints Detected

### Synopsis

Multiple OS fingerprints were detected.

### Description

Using a combination of remote probes (TCP/IP, SMB, HTTP, NTP, SNMP, etc), it was possible to gather one or more fingerprints from the remote system. While the highest-confidence result was reported in plugin 11936, "OS Identification", the complete set of fingerprints detected are reported here.

### Solution

n/a

### Risk Factor

None

### Plugin Information

Published: 2025/02/26, Modified: 2025/03/03

### Plugin Output

tcp/0

Following OS Fingerprints were found

Remote operating system : Ubuntu 18.04 Linux Kernel 4.15  
Confidence level : 56  
Method : MLSinFP  
Type : unknown  
Fingerprint : unknown

Remote operating system : Cisco Catalyst 9200 Series Switches  
Cisco Catalyst 9300 Series Switches  
Cisco Catalyst IE9300 Rugged Series  
Nutanix  
Confidence level : 59  
Method : SinFP  
Type :  
Fingerprint : SinFP:  
P1:B10113:F0x12:W64240:00204ffff:M1460:  
P2:B10113:F0x12:W65160:00204ffff0402080afffffff4445414401030307:M1460:  
P3:B00000:F0x00:W0:00:M0  
P4:191303\_7\_p=22

Following fingerprints could not be used to determine OS :  
SSH:!:SSH-2.0-OpenSSH\_9.6p1 Ubuntu-3ubuntu13.13

## 11936 - OS Identification

### Synopsis

It is possible to guess the remote operating system.

### Description

Using a combination of remote probes (e.g., TCP/IP, SMB, HTTP, NTP, SNMP, etc.), it is possible to guess the name of the remote operating system in use. It is also possible sometimes to guess the version of the operating system.

### Solution

n/a

### Risk Factor

None

### Plugin Information

Published: 2003/12/09, Modified: 2025/06/03

### Plugin Output

tcp/0

```
Remote operating system : Cisco Catalyst 9200 Series Switches
Cisco Catalyst 9300 Series Switches
Cisco Catalyst IE9300 Rugged Series
Nutanix
Confidence level : 59
Method : SinFP
```

```
The remote host is running one of these operating systems :
Cisco Catalyst 9200 Series Switches
Cisco Catalyst 9300 Series Switches
Cisco Catalyst IE9300 Rugged Series
Nutanix
```

## 117886 - OS Security Patch Assessment Not Available

### Synopsis

OS Security Patch Assessment is not available.

### Description

OS Security Patch Assessment is not available on the remote host.

This does not necessarily indicate a problem with the scan.

Credentials may not have been provided, OS security patch assessment may not be supported for the target, the target may not have been identified, or another issue may have occurred that prevented OS security patch assessment from being available. See plugin output for details.

This plugin reports non-failure information impacting the availability of OS Security Patch Assessment. Failure information is reported by plugin 21745 : 'OS Security Patch Assessment failed'. If a target host is not supported for OS Security Patch Assessment, plugin 110695 : 'OS Security Patch Assessment Checks Not Supported' will report concurrently with this plugin.

### Solution

n/a

### Risk Factor

None

### References

XREF IAVB:0001-B-0515

### Plugin Information

Published: 2018/10/02, Modified: 2021/07/12

### Plugin Output

tcp/0

The following issues were reported :

```
- Plugin      : no_local_checks_credentials.nasl
  Plugin ID   : 110723
  Plugin Name : Target Credential Status by Authentication Protocol - No Credentials Provided
  Message     :
  Credentials were not provided for detected SSH service.
```

## 181418 - OpenSSH Detection

### Synopsis

An OpenSSH-based SSH server was detected on the remote host.

### Description

An OpenSSH-based SSH server was detected on the remote host.

### See Also

<https://www.openssh.com/>

### Solution

n/a

### Risk Factor

None

### Plugin Information

Published: 2023/09/14, Modified: 2025/08/25

### Plugin Output

tcp/22/ssh

```
Service : ssh
Version : 9.6p1
Banner  : SSH-2.0-OpenSSH_9.6p1 Ubuntu-3ubuntu13.13
```



## 70657 - SSH Algorithms and Languages Supported

### Synopsis

An SSH server is listening on this port.

### Description

This script detects which algorithms and languages are supported by the remote service for encrypting communications.

### Solution

n/a

### Risk Factor

None

### Plugin Information

Published: 2013/10/28, Modified: 2025/01/20

### Plugin Output

tcp/22/ssh

```
Nessus negotiated the following encryption algorithm(s) with the server :
```

```
Client to Server: aes256-ctr
Server to Client: aes256-ctr
```

```
The server supports the following options for compression_algorithms_server_to_client :
```

```
none
zlib@openssh.com
```

```
The server supports the following options for mac_algorithms_client_to_server :
```

```
hmac-sha1
hmac-sha1-etm@openssh.com
hmac-sha2-256
hmac-sha2-256-etm@openssh.com
hmac-sha2-512
hmac-sha2-512-etm@openssh.com
umac-128-etm@openssh.com
umac-128@openssh.com
umac-64-etm@openssh.com
umac-64@openssh.com
```

```
The server supports the following options for server_host_key_algorithms :
```

```
ecdsa-sha2-nistp256
rsa-sha2-256
rsa-sha2-512
ssh-ed25519
```

The server supports the following options for encryption\_algorithms\_client\_to\_server :

```
aes128-ctr
aes128-gcm@openssh.com
aes192-ctr
aes256-ctr
aes256-gcm@openssh.com
chacha20-poly1305@openssh.com
```

The server supports the following options for mac\_algorithms\_server\_to\_client :

```
hmac-sha1
hmac-sha1-etm@openssh.com
hmac-sha2-256
hmac-sha2-256-etm@openssh.com
hmac-sha2-512
hmac-sha2-512-etm@openssh.com
umac-128-etm@openssh.com
umac-128@openssh.com
umac-64-etm@openssh.com
umac-64@openssh.com
```

The server supports the following options for kex\_algorithms :

```
curve25519-sha256
curve25519-sha256@libssh.org
diffie-hellman-group-exchange-sha256
diffie-hellman-group14-sha256
diffie-hellman-group16-sha512
diffie-hellman-group18-sha512
ecdh-sha2-nistp256
ecdh-sha2-nistp384
ecdh-sha2-nistp521
ext-info-s
kex-strict-s-v00@openssh.com
sntrup761x25519-sha512@openssh.com
```

The server supports the following options for compression\_algorithms\_client\_to\_server :

```
none
zlib@openssh.com
```

The server supports the following options for encryption\_algorithms\_server\_to\_client :

```
aes128-ctr
aes128-gcm@openssh.com
aes192-ctr
aes256-ctr
aes256-gcm@openssh.com
chacha20-poly1305@openssh.com
```

## 149334 - SSH Password Authentication Accepted

### Synopsis

The SSH server on the remote host accepts password authentication.

### Description

The SSH server on the remote host accepts password authentication.

### See Also

<https://tools.ietf.org/html/rfc4252#section-8>

### Solution

n/a

### Risk Factor

None

### Plugin Information

Published: 2021/05/07, Modified: 2021/05/07

### Plugin Output

tcp/22/ssh

## 10881 - SSH Protocol Versions Supported

### Synopsis

A SSH server is running on the remote host.

### Description

This plugin determines the versions of the SSH protocol supported by the remote SSH daemon.

### Solution

n/a

### Risk Factor

None

### Plugin Information

Published: 2002/03/06, Modified: 2024/07/24

### Plugin Output

tcp/22/ssh

```
The remote SSH daemon supports the following versions of the  
SSH protocol :
```

- 1.99
- 2.0

## 153588 - SSH SHA-1 HMAC Algorithms Enabled

### Synopsis

The remote SSH server is configured to enable SHA-1 HMAC algorithms.

### Description

The remote SSH server is configured to enable SHA-1 HMAC algorithms.

Although NIST has formally deprecated use of SHA-1 for digital signatures, SHA-1 is still considered secure for HMAC as the security of HMAC does not rely on the underlying hash function being resistant to collisions.

Note that this plugin only checks for the options of the remote SSH server.

### Solution

n/a

### Risk Factor

None

### Plugin Information

Published: 2021/09/23, Modified: 2022/04/05

### Plugin Output

tcp/22/ssh

```
The following client-to-server SHA-1 Hash-based Message Authentication Code (HMAC) algorithms are supported :
```

```
hmac-sha1
hmac-sha1-etm@openssh.com
```

```
The following server-to-client SHA-1 Hash-based Message Authentication Code (HMAC) algorithms are supported :
```

```
hmac-sha1
hmac-sha1-etm@openssh.com
```

## 10267 - SSH Server Type and Version Information

### Synopsis

An SSH server is listening on this port.

### Description

It is possible to obtain information about the remote SSH server by sending an empty authentication request.

### Solution

n/a

### Risk Factor

None

### References

XREF IAVT:0001-T-0933

### Plugin Information

Published: 1999/10/12, Modified: 2024/07/24

### Plugin Output

tcp/22/ssh

```
SSH version : SSH-2.0-OpenSSH_9.6p1 Ubuntu-3ubuntu13.13
SSH supported authentication : publickey,password
```

## 22964 - Service Detection

### Synopsis

The remote service could be identified.

### Description

Nessus was able to identify the remote service by its banner or by looking at the error message it sends when it receives an HTTP request.

### Solution

n/a

### Risk Factor

None

### Plugin Information

Published: 2007/08/19, Modified: 2024/03/26

### Plugin Output

tcp/22/ssh

```
An SSH server is running on this port.
```

## 25220 - TCP/IP Timestamps Supported

### Synopsis

---

The remote service implements TCP timestamps.

### Description

---

The remote host implements TCP timestamps, as defined by RFC1323. A side effect of this feature is that the uptime of the remote host can sometimes be computed.

### See Also

---

<http://www.ietf.org/rfc/rfc1323.txt>

### Solution

---

n/a

### Risk Factor

---

None

### Plugin Information

---

Published: 2007/05/16, Modified: 2023/10/17

### Plugin Output

---

tcp/0



## 110723 - Target Credential Status by Authentication Protocol - No Credentials Provided

### Synopsis

Nessus was able to find common ports used for local checks, however, no credentials were provided in the scan policy.

### Description

Nessus was not able to successfully authenticate directly to the remote target on an available authentication protocol. Nessus was able to connect to the remote port and identify that the service running on the port supports an authentication protocol, but Nessus failed to authenticate to the remote service using the provided credentials. There may have been a protocol failure that prevented authentication from being attempted or all of the provided credentials for the authentication protocol may be invalid. See plugin output for error details.

Please note the following :

- This plugin reports per protocol, so it is possible for valid credentials to be provided for one protocol and not another. For example, authentication may succeed via SSH but fail via SMB, while no credentials were provided for an available SNMP service.
- Providing valid credentials for all available authentication protocols may improve scan coverage, but the value of successful authentication for a given protocol may vary from target to target depending upon what data (if any) is gathered from the target via that protocol. For example, successful authentication via SSH is more valuable for Linux targets than for Windows targets, and likewise successful authentication via SMB is more valuable for Windows targets than for Linux targets.

### Solution

n/a

### Risk Factor

None

### References

XREF IAVB:0001-B-0504

### Plugin Information

Published: 2018/06/27, Modified: 2024/04/19

### Plugin Output

tcp/0

```
SSH was detected on port 22 but no credentials were provided.  
SSH local checks were not enabled.
```



## 10287 - Traceroute Information

### Synopsis

It was possible to obtain traceroute information.

### Description

Makes a traceroute to the remote host.

### Solution

n/a

### Risk Factor

None

### Plugin Information

Published: 1999/11/27, Modified: 2023/12/04

### Plugin Output

udp/0

```
For your information, here is the traceroute from 192.168.2.101 to 192.168.2.103 :  
192.168.2.101  
192.168.2.103  
  
Hop Count: 1
```