

# Verify Secure Endpoint Linux Connector OS Compatibility

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## Introduction

This document describes OS compatibility information for the Cisco Secure Endpoint Linux connector.

## Requirements

- Only 64-bit operating systems are supported.
- x86 architecture (also known as x86\_64, intel, amd64) is supported on all distributions.
- ARM architecture (also known as aarch64, arm64) is supported on select distributions and kernel versions.

Distribution	Version	Cisco Secure Endpoint connector Long Term Support (LTS) Announcement
Enterprise Linux (EL)	6	Ends on November 7, 2024
	7	Starts on June 30, 2024
SUSE Enterprise / openSUSE Leap	15 SP0 / 15.0	Ends on January 31, 2024
	15 SP1 / 15.1	Ends on January 31, 2024
	15 SP2 / 15.2	Ends on December 31, 2024
	15 SP3 / 15.3	Ends on December 31, 2025
	15 SP4 / 15.4	Ends on December 31, 2026

Debian	10	Ends on June 30, 2024
	11	Starts on July 1, 2024
Ubuntu LTS	18.04	Ends on April 30, 2028
	20.04	Starts on on April 2, 2025
Amazon Linux	2	Ends on June 30, 2025
	2023	Starts on March 15, 2025

See [Cisco Secure Endpoint Linux Connector Long Term Support](#) for full legacy support details.

## Legend

	<b>Supported OS and Version</b> <i>(Note: It is always recommended to use the latest available version of the connector)</i>
	<b>Compatible; Connector is functional but OS or Connector is out of support</b>
	<b>Not supported</b>

## RPM-based

### Enterprise Linux (x86 and ARM)

Enterprise Linux (EL) includes these distributions:

- Rocky Linux
- Alma Linux
- Red Hat Enterprise Linux
- Oracle Linux (RHCK)
- CentOS Linux

Enterprise Linux distributions maintained ahead of the latest versioned RHEL/CentOS releases, such as CentOS Stream, are not supported by the Cisco Secure Endpoint Linux connector.

Distribution	Version	Minimum Supported Kernel Version	Cisco Secure Endpoint Linux Connector Release Date & Version			
			2024-01-24	2023-10-02	2023-08-01	2022-07-11
			1.24.X	1.23.X	1.22.X	1.20.X
EL9	9.3	5.14.0-362 (aarch64)				
		5.14.0-362 (x86_64)				
	9.2	5.14.0-284 (x86_64)				
	9.1	5.14.0-162 (x86_64)				
EL8	9.0	5.14.0-70 (x86_64)				
	8.9	4.18.0-513 (x86_64)				
	8.8	4.18.0-477 (x86_64)				
	8.7	4.18.0-425 (x86_64)				
	8.6	4.18.0-372 (x86_64)				
	8.5	4.18.0-348 (x86_64)				
	8.4	4.18.0-305 (x86_64)				
8.3	4.18.0-240 (x86_64)					

	8.2	4.18.0-193 (x86_64)				
	8.1	4.18.0-147 (x86_64)				
EL7	7.9	3.10.0-1160 (x86_64)				
	7.8	3.10.0-1127 (x86_64)				
	7.7	3.10.0-1062 (x86_64)				
	7.6	3.10.0-957 (x86_64)				
	7.5	3.10.0-862 (x86_64)				
	7.4	3.10.0.693 (x86_64)				
	7.3	3.10.0-514 (x86_64)				
	7.2	3.10.0-327 (x86_64)				
EL6	6.10	2.6.32-754 (x86_64)				
	6.9	2.6.32-696 (x86_64)				
	6.7	2.6.32-573 (x86_64)				
	6.6	2.6.32-504 (x86_64)				
	6.5	2.6.32-504 (x86_64)				
	6.4	2.6.32-358 (x86_64)				

### Oracle Linux - Unbreakable Enterprise Kernel/UEK (x86 and ARM)

Distribution	Version	Minimum Supported Kernel Version	Cisco Secure Endpoint Linux Connector Release Date & Version		
			2024-01-24	2023-10-02	2023-08-01
			1.24.X	1.23.X	1.22.X
Oracle Linux 9 (UEK)	9.3	5.15.0-200 (aarch64)			
		5.15.0-200 (x86_64)			
	9.2	5.15.0-101 (x86_64)			
	9.1	5.15.0-3 (x86_64)			
Oracle Linux 8 (UEK)	9.0	5.15.0-0 (x86_64)			
	8.9	5.15.0-200 (x86_64)			
	8.8	5.15.0-101 (x86_64)			
	8.7	5.15.0-3 (x86_64)			
	8.6	5.4.17-2136 (x86_64)			
	8.5	5.4.17-2136 (x86_64)			
	8.4	5.4.17-2102 (x86_64)			
	8.3	5.4.17-2011 (x86_64)			
Oracle Linux 7 (UEK)	8.2	5.4.17-2011 (x86_64)			
	7.9	5.4.17-2011 (x86_64)			
	7.8	4.14.35-1902 (x86_64)			
	7.7	4.14.35-1902 (x86_64)			

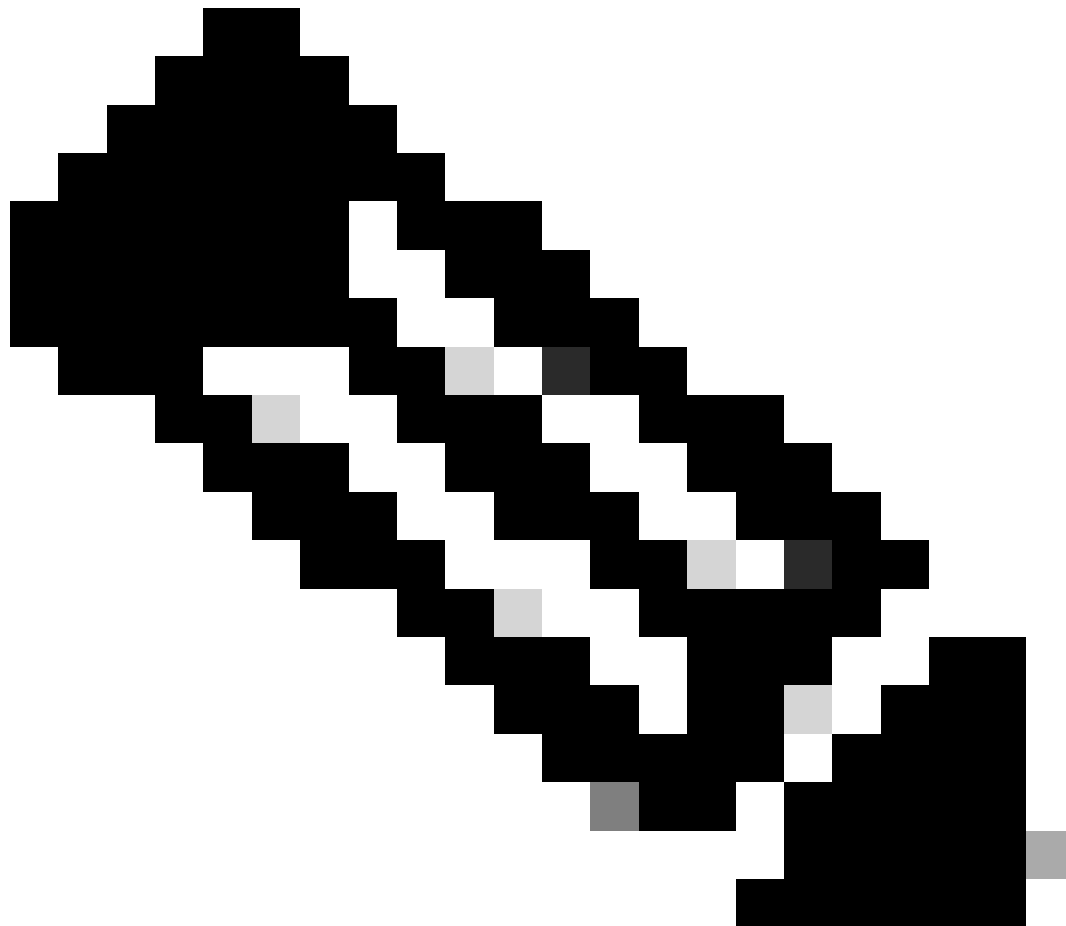
### Amazon Linux (x86 and ARM)

Distribution	Minimum Supported Kernel Version	Cisco Secure Endpoint Linux Connector Release Date & Version		
		2024-01-24	2023-10-02	2023-08-01

		1.24.X	1.23.X	1.22.X
Amazon Linux 2023	6.1 (x86_64 and aarch64)			
Amazon Linux 2	5.10 (aarch64)			
	5.10 (x86_64)			
	5.4 (x86_64)			
	4.18 (x86_64)			
	4.14 (x86_64)			

### Amazon Linux 2 (x86) 4.14 Kernel Version Support

Each Amazon Linux 2 (x86) Cisco Secure Endpoint Linux connector release supports the 18 most recent 4.14 kernels prior to its release.



**Note:** Note: the 4.14 kernel version uses kernel modules for system event monitoring on the endpoint instead of using eBPF. Newer features released on the Linux connector can require eBPF. It is recommended to upgrade to an Amazon Linux Extras kernel version for compatibility with the newest connector features. For kernel upgrade guidance, refer to the [Amazon Linux 2 Kernel Upgrade](#) AWS article.

Cisco Secure Endpoint Linux Connector Version	Maximum Supported Kernel Version
1.24.1	4.14.311-233.529 (2023-04-07) to 4.14.336-257.568 (2024-04-03)
1.24.0	4.14.301-225.528 (2023-02-06) to 4.14.330-250.540 (2023-11-30)
1.23.1	4.14.299-223.520 (2022-12-01) to 4.14.327-246.539 (2023-11-01)
1.23.0	4.14.291-218.527 (2022-09-06) to 4.14.322-246.539 (2023-09-11)
1.22.1	4.14.291-218.527 (2022-09-06) to 4.14.322-244.536 (2023-08-17)
1.22.0	4.14.285-215.501 (2022-08-07) to 4.14.318-241.531 (2023-06-28)

## SUSE Linux Enterprise and openSUSE Leap (x86)

Distribution	Version	Minimum Supported Kernel Version	Cisco Secure Endpoint Linux Connector Release Date & Version		
			2024-01-24	2023-10-02	2023-08-01
			1.24.X	1.23.X	1.22.X
SUSE Enterprise 15 / Leap 15	15 SP5 / 15.5	5.14.21 (x86_64)			
	15 SP4 / 15.4	5.14.21 (x86_64)			
	15 SP3 / 15.3	5.3.18 (x86_64)			
	15 SP2 / 15.2	5.3.18 (x86_64)			
	15 SP1 / 15.1	4.12.14 (x86_64)			
	15 SP0 / 15.0	4.12.14 (x86_64)			

## Debian-based

### Ubuntu LTS (x86 and ARM)

Only Long Term Support (LTS) versions of Ubuntu are officially supported.

Distribution	Version	Minimum Supported Kernel Version	Cisco Secure Endpoint Linux Connector Release Date & Version		
			2024-01-24	2023-10-02	2023-08-01
			1.24.X	1.23.X	1.22.X
Ubuntu 24 LTS	24.04.0	6.8.0-11-generic (amd64 and arm64)			

Ubuntu 22 LTS	22.04.3	6.2.0-26-generic (arm64)			
		6.2.0-26-generic (amd64)			
	22.04.2	5.19.0-32-generic (amd64)			
	22.04.1	5.15.0-43-generic (amd64)			
	22.04.0	5.15.0-25-generic (amd64)			
Ubuntu 20 LTS	20.04.6	5.15.0-67-generic (amd64)			
	20.04.5	5.15.0-46-generic (amd64)			
	20.04.4	5.13.0-30-generic (amd64)			
	20.04.3	5.11.0-37-generic (amd64)			
	20.04.2	5.4.0-66-generic (amd64)			
	20.04.1	5.4.0-42-generic (amd64)			
	20.04.0	5.4.0-26-generic (amd64)			
Ubuntu 18 LTS	18.04.6	5.4.0-84-generic (amd64)			
	18.04.5	5.4.0-42-generic (amd64)			
	18.04.4	5.3.0-28-generic (amd64)			
	18.04.3	5.0.0-23-generic (amd64)			
	18.04.2	4.18.0-15-generic (amd64)			

## Debian (x86 and ARM)

Distribution	Minimum Supported Kernel Version	Cisco Secure Endpoint Linux Connector Release Date & Version		
		2024-01-24	2023-10-02	2023-08-01
		1.24.X	1.23.X	1.22.X
Debian 12	6.1.0-15 (arm64)			
	6.1.0-15 (amd64)			
Debian 11	5.10.0-26 (amd64)			
Debian 10	4.19.0-21 (amd64)			

## Maximum Mainline Kernel Version

Cisco Secure Endpoint Linux Connector Version	Maximum Supported Kernel Version
1.24.X	6.8
1.23.X	6.3
1.22.X	5.19
1.20.7	5.19

## See Also

- [Secure Endpoint Windows Connector OS Compatibility](#)
- [Cisco Secure Endpoint Mac Connector OS Compatibility](#)
- [Cisco Security Connector Apple iOS Compatibility](#)
- [Cisco Secure Endpoint Linux Connector Update Reboot Requirements](#)
- [Cisco Secure Endpoint Linux Connector on Debian-based systems](#)
- [Deploying the Cisco Secure Endpoint Linux Connector](#)

- [Cisco Secure Endpoint Linux Connector Faults](#)
  - [Linux Kernel-Devel Fault](#)
- [Building Cisco Secure Endpoint Linux Connector Kernel Modules](#)
- [Cisco Orbital System Requirements](#)