

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.

- 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

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

RPM-based

Enterprise Linux (x86 and ARM)

Enterprise Linux (EL) encompasses the following 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 currently 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) | | | | |
| | 8.8 | 4.18.0-477 (x86_64) | | | | |
| | | 4.18.0-425 (x86_64) | | | | |
| | | 4.18.0-372 (x86_64) | | | | |
| | | 4.18.0-348 (x86_64) | | | | |
| | | 4.18.0-305 (x86_64) | | | | |
| | | 4.18.0-240 (x86_64) | | | | |
| 4.18.0-193 (x86_64) | | | | | | |
| EL7 | 8.1 | 4.18.0-147 (x86_64) | | | | |
| | 7.9 | 3.10.0-1160 (x86_64) | | | | |
| | | 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)

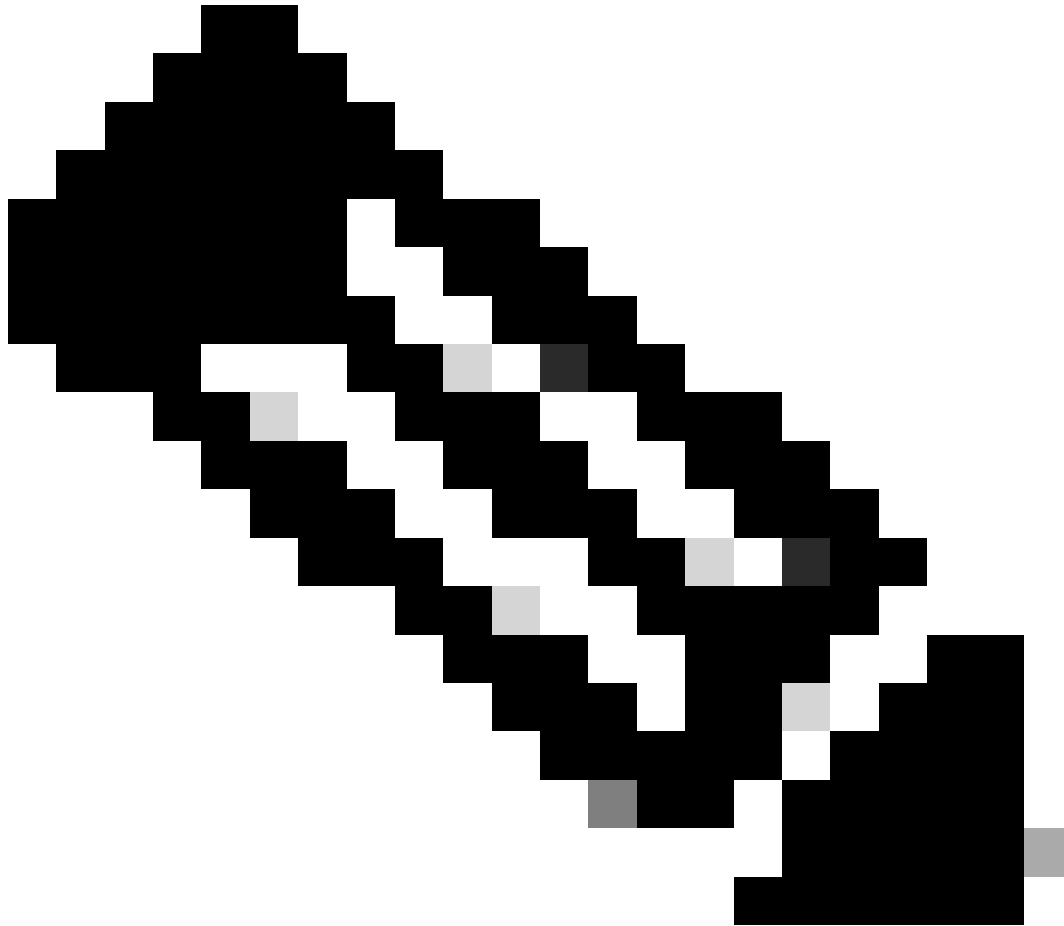
| Distribution | Version | Minimum Supported Kernel Version | Cisco Secure Endpoint Linux Connector Release Date & Version | | |
|----------------------|---------|----------------------------------|--|------------|------------|
| | | | 2024-01-24 | 2023-10-02 | 2023-08-01 |
| | | | 1.24.X | 1.23.X | 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) | | | |
| | 9.0 | 5.15.0-0 (x86_64) | | | |
| Oracle Linux 8 (UEK) | 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) | | | |
| | 8.2 | 5.4.17-2011 (x86_64) | | | |
| Oracle Linux 7 (UEK) | 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) | | | |

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 may 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 |
|---|--|
| 1.24.0 | 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 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) | | | |
| Ubuntu 20 LTS | 22.04.0 | 5.15.0-25-generic (amd64) | | | |
| | 20.04.6 | 5.15.0-67-generic (amd64) | | | |
| | | 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 | 6.5 |
| 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](#)