

## Security Bulletin

# Vulnerability in virtualenv

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Reference	:	PSIRT-1974
Created	:	11 July 2025
Version	:	0.3
Status	:	Neutralization
TLP Classification	:	CLEAR
Document date	:	11 July 2025
Keywords	:	CVE-2024-53899

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## List of changes

Version	Date	Description
0.1	2025/01/23	Initial Eviden version
0.2	2025/03/06	Added information that Eviden is not affected
0.3	2025/07/11	TLP changed for CLEAR

## Executive summary

A flaw was found in the virtualenv Python package. Due to the improper handling of quotes in magic template strings, the virtual environment activation script is vulnerable to OS command injection, leading to the loss of confidentiality, integrity and availability of the system.

## Vulnerability Info

CVE No.	CVSS Score	Type of Vulnerability
<a href="#">CVE-2024-53899</a>	8.4	CWE-77 Improper Neutralization of Special Elements used in a Command ('Command Injection')  CWE-78 Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')

Eviden is liaising closely with its suppliers and investigating the exact nature of these vulnerabilities to provide validated remediation.

## Affected products

Products	Fixed version	Status	Comments
python-virtualenv	15.1.0-7.el7_9.1	Fixed	Eviden products are not affected

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## Recommendations

Vendor recommends applying upgrade python version. Eviden products are not affected by this vulnerability.

## Available Vendor Patches

Vendor indicated version for patch python-virtualenv - 15.1.0-7.el7\_9.1

## Available Workarounds

No workaround is available.

## Available Mitigations

No mitigation identified.

## Available Exploits/PoC

Eviden is not aware of any exploitation of the reported vulnerabilities.

## References

1. <https://access.redhat.com/errata/RHSA-2024:11048>
2. <https://access.redhat.com/security/cve/CVE-2024-53899>
3. <https://github.com/pypa/virtualenv/issues/2768>
4. <https://github.com/pypa/virtualenv/pull/2771>
5. <https://github.com/pypa/virtualenv/releases/tag/20.26.6>

## Glossary of terms

Term	Description
Mitigation	Refers to a setting, common configuration, or general best-practice, existing in a default state that could reduce the severity of exploitation of a vulnerability
Neutralization	The neutralization phase is the decision-making process during which the risk posed by an incident is evaluated.
PoC	Proof of Concept
Remediation	The remediation phase ends with the delivering of a qualified solution/update fixing the vulnerability without regression.
TI	Threat Intelligence
TLP	Traffic Light Protocol (TLP) FIRST Standards Definitions and Usage Guidance — Version 2.0. <a href="https://www.first.org/tlp/">https://www.first.org/tlp/</a>
Workaround	Refers to a setting or configuration change that does not correct the underlying vulnerability but would help block known attack vectors before you apply the update

## About this document

Eviden continuously monitors the security of its products. This Security Bulletin is shared under the constraints of the FIRST Traffic Light Protocol version 2.0 (TLP) to bring the attention of owners of the potentially affected Eviden products. Eviden recommends that all product owners determine whether the described situation is applicable to their individual case and take appropriate action.

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- Neutralization security bulletins are numbered 0.x
- Privately disclosed Remediation security bulletins are numbered 1.x
- Publicly disclosed Remediation security bulletins are numbered 2.x

Updated versions of this document can be found on:

- <https://support.bull.com/ols/product/security/psirt>

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