

## Security Bulletin

# Vulnerability in Hashicorp Vault

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## List of changes

Version	Date	Description
0.1	2025/01/10	Initial Eviden version
2.2	2025/02/18	Change TLP for CLEAR and status for Remediation

## Executive summary

Vault's SSH secrets engine did not require the `valid_principals` list to contain a value by default. If the `valid_principals` and `default_user` fields of the SSH secrets engine configuration are not set, an SSH certificate requested by an authorized user to Vault's SSH secrets engine could be used to authenticate as any user on the host. Fixed in Vault Community Edition 1.17.6, and in Vault Enterprise 1.17.6, 1.16.10, and 1.15.15.

## Vulnerability Info

CVE No.	CVSS Score	Type of Vulnerability
<a href="#">CVE-2024-7594</a>	7.1	CWE-732 Incorrect Permission Assignment for Critical Resource AV:N/AC:H/PR:L/UI:N/S:U/C:H/I:H/A:H

## Affected products

Products	Fixed version	Status	Comments
Hashicorp Vault	1.18	Fixed	

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TBD (to be defined) indicates that a new version fixing the vulnerabilities is under study.

Unpatched means that the vulnerability is presumably present, but there is no plan to provide a fix. This can be investigated on demand.

## List of HPC Management products

Products	Fixed version	Status	Remaining vulnerabilities
SMC xScale	1.6.9	Fixed	

## Recommendations

Eviden recommends applying its upgrades as soon as they are made available.

## Available Vendor Patches

Fixed in Vault Community Edition 1.17.6.

## 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://discuss.hashicorp.com/t/hcsec-2024-20-vault-ssh-secrets-engine-configuration-did-not-restrict-valid-principals-by-default/70251>

## 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

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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

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

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