

# NCSC Advisory

**Vulnerability in Cisco Identity Services Engine** CVE-2025-20286

6th, June 2025

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## Description

CVE ID: CVE-2025-20286

Published: 2025-06-04

Vendor: Cisco

**Product:** Identity Services Engine Software

CVSS Score<sup>1</sup>: 9.9

### **Products Affected**

Platform	Version
AWS	Cisco ISE version 3.1, 3.2, 3.3 and 3.4
Azure	Cisco ISE version 3.2, 3.3 and 3.4
OCI	Cisco ISE version 3.2, 3.3 and 3.4

## **Impact**

A vulnerability in Amazon Web Services (AWS), Microsoft Azure, and Oracle Cloud Infrastructure (OCI) cloud deployments of Cisco Identity Services Engine (ISE) could allow an unauthenticated, remote attacker to access sensitive data, execute limited administrative operations, modify system configurations, or disrupt services within the impacted systems.

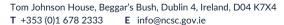
This vulnerability exists because credentials are improperly generated when Cisco ISE is being deployed on cloud platforms, resulting in different Cisco ISE deployments sharing the same credentials.

These credentials are shared across multiple Cisco ISE deployments as long as the software release and cloud platform are the same.

An attacker could exploit this vulnerability by extracting the user credentials from Cisco ISE that is deployed in the cloud and then using them to access Cisco ISE that is deployed in other cloud environments through unsecured ports.

A successful exploit could allow the attacker to access sensitive data, execute limited administrative operations, modify system configurations, or disrupt services within the impacted systems.





<sup>&</sup>lt;sup>1</sup> https://www.first.org/cvss/



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Note: If the Primary Administration node is deployed in the cloud, then Cisco ISE is affected by this vulnerability. If the Primary Administration node is on-premises, then it is not affected.

Cisco has released software updates that address this vulnerability. **There are no workarounds that address this vulnerability.** 

Common Weakness Enumeration (CWE)2: CWE-259: Use of Hard-coded Password

Known Exploited Vulnerability (KEV) catalog3: No

Used by Ransomware Operators: N/A

#### Recommendations

The NCSC strongly recommends installing updates for vulnerable systems with the highest priority, after thorough testing. Affected organisations should review the latest release notes and install the relevant updates from Cisco.

- https://nvd.nist.gov/vuln/detail/CVE-2025-20286
- https://www.cve.org/CVERecord?id=CVE-2025-20286
- https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-ise-aws-static-cred-FPMjUcm7



<sup>&</sup>lt;sup>2</sup> https://cwe.mitre.org

<sup>&</sup>lt;sup>3</sup> https://www.cisa.gov/known-exploited-vulnerabilities-catalog