



Local Privilege Escalation in NGFW Engine

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

| | |
|------------------------|--|
| CVE | CVE-2025-12690 |
| State | PUBLISHED |
| Assigner | forcepoint |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2026-03-11 16:16:18 UTC |
| Updated | 2026-05-07 20:55:29 UTC |
| Description | Execution with unnecessary privileges in Forcepoint NGFW Engine allows local privilege escalation.This issue affects NGF |

Risk And Classification

Primary CVSS: v4.0 7.3 HIGH from psirt@forcepoint.com

CVSS:4.0/AV:L/AC:L/AT:P/PR:L/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

Problem Types: CWE-250 | NVD-CWE-noinfo | CWE-250 CWE-250 Execution with unnecessary privileges

| Version | Source | Type | Score | Severity | Vector |
|---------|----------------------|-----------|-------|----------|---|
| 4.0 | psirt@forcepoint.com | Secondary | 7.3 | HIGH | CVSS:4.0/AV:L/AC:L/AT:P/PR:L/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X |
| 4.0 | CNA | CVSS | 7.3 | HIGH | CVSS:4.0/AV:L/AC:L/AT:P/PR:L/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N |
| 3.1 | nvd@nist.gov | Primary | 7.8 | HIGH | CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H |

CVSS v4.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Attack Requirements

Present

Privileges Required

Low

User Interaction

None

Confidentiality

High

Integrity

High

Availability

High

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:L/AC:L/AT:P/PR:L/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX:MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|-------------|------------|--------------------------|---------|--------|---------|----------|
| Application | Forcepoint | Next Generation Firewall | All | All | All | All |

Vendor Declared Affected Products

| Source | Vendor | Product | Version | Platforms |
|--------|------------|-------------|-------------------------|-----------|
| CNA | Forcepoint | NGFW Engine | affected 6.10.19 semver | Linux |
| CNA | Forcepoint | NGFW Engine | affected 7.3.0 semver | Linux |

| | | | | |
|-----|----------------------------|-----------------------------|------------------------|-------|
| CNA | Forcepoint | NGFW Engine | affected 7.2.4 semver | Linux |
| CNA | Forcepoint | NGFW Engine | affected 7.1.10 semver | Linux |

References

| Reference | Source | Link | Tags |
|---|----------------------|---|------|
| support.forcepoint.com/s/article/Security-Advisory-Local-Privilege-Escalation-in-NGF... | psirt@forcepoint.com | support.forcepoint.com | Ver |
| CVE Program record | CVE.ORG | www.cve.org | can |
| NVD vulnerability detail | NVD | nvd.nist.gov | can |

Vendor Comments And Credit

Discovery Credit

CNA: Francesco Caserta, Andrea Lomuscio and Alessandro Ruggieri of the Italian National Cybersecurity Agency (en)

Additional Advisory Data

Solutions

CNA: Upgrade to versions 6.10.20, 7.1.11, 7.2.5 and 7.3.1.

There are currently no legacy QID mappings associated with this CVE.

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