

CVE-2025-48041

# SSH\_FXP\_OPENDIR may Lead to Exhaustion of File Handles

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## Weakness Type (CWE)

[CWE-770 — CWE-770 Allocation of Resources Without Limits or Throttling](#)

## CAPEC

[CAPEC-130 — CAPEC-130 Excessive Allocation](#)[CAPEC-125 — CAPEC-125 Flooding](#)

## CVSS 4.0 Score

7.1

HIGH

[CVSS:4.0/AV:N/AC:L/AT:N/PR:L/UI:N/VC:N/VI:N/VA:H/SC:N/SI:N/SA:N](#)

## Vulnerability description

Allocation of Resources Without Limits or Throttling vulnerability in Erlang OTP ssh (ssh\_sftp modules) allows Excessive Allocation, Flooding.

This vulnerability is associated with program files `lib/ssh/src/ssh_sftpd.erl`.

This issue affects OTP from OTP 17.0 until OTP 28.0.3, OTP 27.3.4.3 and 26.2.5.15 corresponding to ssh from 3.0.1 until 5.3.3, 5.2.11.3 and 5.1.4.12.

## Affected

pkg:otp/ssh

Module	Source File
<a href="#">ssh_sftp</a>	<code>lib/ssh/src/ssh_sftpd.erl</code>

  

Status	Type	Version	Changes / Fixed in
Affected	otp ⓘ	3.0.1	<ul style="list-style-type: none"> <li>unaffected at 5.3.3</li> <li>unaffected at 5.2.11.3</li> <li>unaffected at 5.1.4.12</li> </ul>

[pkg:github/erlang/otp](#)

Module	Source File
ssh_sftp	<a href="#">lib/ssh/src/ssh_sftpd.erl</a>

  

Status	Type	Version	Changes / Fixed in
Affected	otp ⓘ	<a href="#">17.0</a>	<ul style="list-style-type: none"> <li>unaffected at <a href="#">28.0.3</a></li> <li>unaffected at <a href="#">27.3.4.3</a></li> <li>unaffected at <a href="#">26.2.5.15</a></li> </ul>
Affected	git ⓘ	<a href="#">07b8f441ca</a>	<ul style="list-style-type: none"> <li>unaffected at <a href="#">5f9af63eec</a></li> <li>unaffected at <a href="#">d49efa2d4f</a></li> </ul>

# Configurations

The SFTP subsystem must be enabled on the SSH server and the SSH port must be reachable by the attacker. SFTP is enabled by default unless explicitly disabled by setting `{subsystems, []}` in the SSH daemon configuration.

## Workarounds

- disabling SFTP
- limiting number of `max_sessions` allowed for `sshd`, so exploiting becomes more complicated

## References

- <https://github.com/erlang/otp/security/advisories/GHSA-79c4-cvv7-4qm3> vendor-advisory related
- <https://osv.dev/vulnerability/EEF-CVE-2025-48041> related
- <https://github.com/erlang/otp/pull/10157> patch
- <https://github.com/erlang/otp/commit/5f9af63eec4657a37663828d206517828cb9f288> patch
- <https://github.com/erlang/otp/commit/d49efa2d4fa9e6f7ee658719cd76ffe7a33c2401> patch

## Credits

- **Remediation developer:** Jakub Witczak
- **Remediation reviewer:** Ingela Andin

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