

# Partial Path Traversal in com.github.jlangch:venice

**Moderate** jlangch published GHSA-4mmh-5vw7-rgvj on Aug 12

## Package

 **com.github.jlangch:venice** (Maven)

## Affected versions

<= 1.10.16

## Patched versions

1.10.17

## Description

### Impact

A partial path traversal issue exists within the functions `load-file` and `load-resource`. These functions can be limited to load files from a list of load paths.

Assuming Venice has been configured with the load paths: [ `"/Users/foo/resources"` ]

When passing **relative** paths to these two vulnerable functions everything is fine:

`(load-resource "test.png") => loads the file "/Users/foo/resources/test.png"`

`(load-resource "../resources-alt/test.png") => rejected, outside the load path`

When passing **absolute** paths to these two vulnerable functions Venice may return files outside the configured load paths:

`(load-resource "/Users/foo/resources/test.png") => loads the file "/Users/foo/resources/test.png"`

`(load-resource "/Users/foo/resources-alt/test.png") => loads the file "/Users/foo/resources-alt/test.png" !!!`

The latter call suffers from the *Partial Path Traversal* vulnerability.

This issue's scope is limited to absolute paths whose name prefix matches a load path. E.g. for a load-path `"/Users/foo/resources"`, the actor can cause loading a resource also from `"/Users/foo/resources-alt"`, but not from `"/Users/foo/images"`.

Versions of Venice before and including v1.10.16 are affected by this issue.

## Patches

Upgrade to Venice  $\geq 1.10.17$ , if you are on a version  $< 1.10.17$

## Workarounds

If you cannot upgrade the library, you can control the functions that can be used in Venice with a sandbox. If it is appropriate, the functions `load-file` and `load-resource` can be blacklisted in the sandbox.

## References

- [PR](#)

## For more information

If you have any questions or comments about this advisory:

- Open an issue in [GitHub Venice](#)
- Email us at [juerg.ch](mailto:juerg@juerg.ch)

## Credits

I want to publicly recognize the contribution of [Jonathan Leitschuh](#) for reporting this issue.

### Severity

Moderate

### CVE ID

CVE-2022-36007

### Weaknesses

CWE-22

### Credits



JLLeitschuh