# NameVirtualHost Host header injection.

Low adiroiban published GHSA-vg46-2rrj-3647 on Oct 26

Package

twisted (pip)

Affected versions

>=0.9.4

Patched versions

>=22.10.0rc1

## Description

When the host header does not match a configured host twisted.web.vhost.NameVirtualHost will return a NoResource resource which renders the Host header unescaped into the 404 response allowing HTML and script injection.

In practice this should be very difficult to exploit as being able to modify the Host header of a normal HTTP request implies that one is already in a privileged position.

Example configuration:

```
from twisted.web.server import Site
from twisted.web.vhost import NameVirtualHost
from twisted.internet import reactor

resource = NameVirtualHost()
site = Site(resource)
reactor.listenTCP(8080, site)
reactor.run()
```

#### Output:

</body>

This vulnerability was introduced in f49041b and first appeared in the 0.9.4 release.

# Severity



CVE ID

CVE-2022-39348

### Weaknesses

CWE-80