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sethmlarson / [mitigation.py](#)



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Mitigation for CVE-2025-4517, CVE-2025-4330, CVE-2025-4138, and CVE-2024-12718

[mitigation.py](#)

```
1 import pathlib
2
3 # Avoid insecure segments in link names.
4 # 'tar' is a tarfile open for reading.
5 for member in tar.getmembers():
6     if member.linkname and '..' in pathlib.Path(member.linkname).parts:
7         raise OSError("Tarfile with insecure segment ('..') in linkname")
8
9 # Now safe to extract members with the data filter.
10 tar.extractall(filter="data")
```