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StanFromIreland authored 3 weeks ago · 103 / 108 · Verified

gh-146121: pkgutil.get_data() reject invalid resource arguments (#146122)

main (#146122) · v3.15.0a8

1 parent e1e4852 commit bcdf231

3 files changed +25 -0 lines changed

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- Lib
 - pkgutil.py
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3 files changed +25 -0 lines changed

Search within code ⚙️

Lib/pkgutil.py

```

@@ -393,6 +393,9 @@ def get_data(package, resource):
393 393     # signature - an os.path format "filename" starting with the dirname of
394 394     # the package's __file__
395 395     parts = resource.split('/')
396 +     if os.path.isabs(resource) or '..' in parts:
397 +         raise ValueError("resource must be a relative path with no "
398 +                             "parent directory components")
396 399     parts.insert(0, os.path.dirname(mod.__file__))

```

```

397 400     resource_name = os.path.join(*parts)
398 401     return loader.get_data(resource_name)

```



Lib/test/test_pkgutil.py



```
@@ -61,6 +61,25 @@ def test_getdata_filesys(self):
```

```

61 61
62 62     del sys.modules[pkg]
63 63
64 +     def test_getdata_path_traversal(self):
65 +         pkg = 'test_getdata_traversal'
66 +
67 +         # Make a package with some resources
68 +         package_dir = os.path.join(self.dirname, pkg)
69 +         os.mkdir(package_dir)
70 +         # Empty init.py
71 +         f = open(os.path.join(package_dir, '__init__.py'), "wb")
72 +         f.close()
73 +
74 +         with self.assertRaises(ValueError):
75 +             pkgutil.get_data(pkg, '../.../etc/passwd')
76 +         with self.assertRaises(ValueError):
77 +             pkgutil.get_data(pkg, 'sub/.../.../etc/passwd')
78 +         with self.assertRaises(ValueError):
79 +             pkgutil.get_data(pkg, os.path.abspath('/etc/passwd'))
80 +
81 +         del sys.modules[pkg]
82 +
64 83     def test_getdata_zipfile(self):
65 84         zip = 'test_getdata_zipfile.zip'
66 85         pkg = 'test_getdata_zipfile'

```



...6-03-16-18-07-00.gh-issue-146121.vRbdro.rst



```
... @@ -0,0 +1,3 @@
```

```

1 + :func:`pkgutil.get_data` now raises rejects resource arguments containing the
2 + parent directory components or that is an absolute path.
3 + This addresses :cve:`2026-3479`.

```

Comments 0