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Dreamsorcerer and mingiunggrape authored on Feb 21 · ✓ 35 / 39 · Verified

Fix multipart injection (#12104) (#12110)

(cherry picked from commit [dab9e87](#))

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🔑 master (#12110) · v3.13.5 v3.13.4

1 parent [39ae036](#) commit 9a6ada9

2 files changed +16 -5 lines changed

↑ Top ⚙️

🔍 Filter files...

- 📁 aiohttp
 - 📄 formdata.py
- 📁 tests
 - 📄 test_formdata.py

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🔍 Search within code ⚙️

```

aiohttp/formdata.py
@@ -78,6 +78,11 @@ def add_field(
78 78         raise TypeError(
79 79             "content_type must be an instance of str. Got: %s" % content_type
80 80         )
81 +         if "\r" in content_type or "\n" in content_type:
82 +             raise ValueError(
83 +                 "Newline or carriage return detected in headers. "
84 +                 "Potential header injection attack."
85 +             )
81 86         headers[hdrs.CONTENT_TYPE] = content_type
82 87         self._is_multipart = True
83 88         if content_transfer_encoding is not None:

```

```
tests/test_formdata.py
@@ -67,12 +67,18 @@ async def test_formdata_textio_charset(buf: bytearray, writer) -> None:
67 67     assert b"\x93\xfa\x96{" in buf
68 68
69 69
70 - def test_invalid_formdata_content_type() -> None:
70 + @pytest.mark.parametrize("val", (0, 0.1, {}, [], b"foo"))
71 + def test_invalid_type_formdata_content_type(val: object) -> None:
71 72     form = FormData()
72 -     invalid_vals = [0, 0.1, {}, [], b"foo"]
73 -     for invalid_val in invalid_vals:
74 -         with pytest.raises(TypeError):
75 -             form.add_field("foo", "bar", content_type=invalid_val)
73 +     with pytest.raises(TypeError):
74 +         form.add_field("foo", "bar", content_type=val) # type: ignore[arg-type]
75 +
76 +
77 + @pytest.mark.parametrize("val", ("\r", "\n", "a\r\n", "a\n\r"))
78 + def test_invalid_value_formdata_content_type(val: str) -> None:
79 +     form = FormData()
80 +     with pytest.raises(ValueError):
81 +         form.add_field("foo", "bar", content_type=val)
76 82
77 83
78 84     def test_invalid_formdata_filename() -> None:
```

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