

CVE-2022-42010: dbus-daemon crashes when receiving message with incorrectly nested parentheses and curly brackets


[@everx](#) discovered that dbus-daemon and other uses of DbusServer can be crashed by sending a message containing a type-signature in which parentheses () , struct/tuple and curly brackets ({ } , dict-entry) are incorrectly nested.

This was originally reported in [a comment on #413](#), but it is not really related to [#413 \(closed\)](#), except that they are both denial-of-service vulnerabilities.

Here is a hex-dump of a reproducer that [@everx](#) provided:

```
$ xxd -ps minimized-from-e1f55a417825f05084b88a0aae8525e0fbb07075
6c8f2801000000007b22000818000000fd152874617b79617b64617b7961
7b7961717d7d297d0000000000000000000000c0000000000000000000
00000000feff0000
```

which contains invalid signature (ta{ya{da{ya{yaq}}}}). A more minimal reproducer would be (a{xy}).

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CVE-2022-42010











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 [Simon McVittie](#) mentioned in commit [35d12acb](#) [1 month ago](#)

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-  **Simon McVittie** mentioned in commit [b9f914fa](#) 1 month ago
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-  **Simon McVittie** closed via commit [9d07424e](#) 1 month ago
-  **Simon McVittie** mentioned in commit [3e53a785](#) 1 month ago
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