Jump to bottom

Polymorphic serialization hangs #179



New issue

(⊘Closed) ukarlsson opened this issue on Sep 2, 2021 · 5 comments

Labels

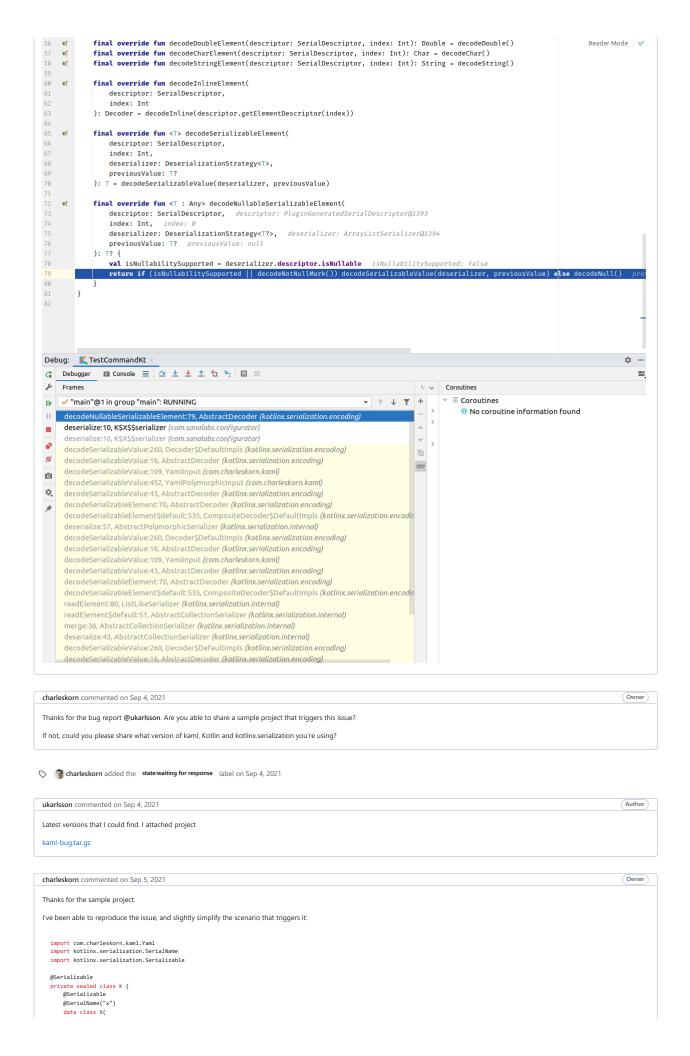
state:waiting for response

ukarlsson commented on Sep 2, 2021

Hello. Many thanks for this great library. We ran into an issue that is quite strange. The deserialization hangs in this specific case, meaning that the process does not terminate, but uses 100% CPU.

```
import com.charleskorn.kaml.Yaml
import kotlinx.serialization.SerialName
import kotlinx.serialization.Serializable
import kotlinx.serialization.builtins.ListSerializer
private sealed class K {
    @Serializable
    @Serializable
    @SerialName("x")
    data class X(
           val property: List<String>? = null,
      ) : K()
const val s = """
- !<x>
fun main() {
      Yaml.default.decodeFromString(ListSerializer(K.serializer()),\ s)
```

This is what I see when I pause and enter debugger



```
val property: String? = null,
) : K()
}

const val s = """
!<x>
"""

fun main() {
    println("Started.")
    val result = Yaml.default.decodeFromString(K.serializer(), s)
    println("Finished, result is $result")
}
The hang doesn't happen when PolymorphismStyle.Property is used - it only affects tagged polymorphism.
```

g charleskorn closed this as completed in e18785d on Sep 5, 2021

charleskorn commented on Sep 5, 2021

Thanks again for reporting this issue @ukarlsson. I've fixed it and 0.35.3 includes the fix.

Note that this may be a vulnerability depending on how your application uses kaml - please see the security advisory for more information.

ukarlsson commented on Sep 6, 2021

(Author)

Many thanks for fixing quickly!

Assignees
No one assigned

Labels
statewaiting for response

Projects
None yet

Milestone
No milestone
Development

2 participants

No branches or pull requests

