Package: c64tass (via r-universe)

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Type Package

Title Access TASS 6502 Assembler

Version 0.1.0

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Description A simple wrapper for the TASS 6502 assembler.

License file LICENSE

Encoding UTF-8

LazyData true

RoxygenNote 7.2.3

Depends R (>= 2.10)

Imports R6

Repository https://coolbutuseless.r-universe.dev

RemoteUrl https://github.com/coolbutuseless/c64tass

RemoteRef HEAD

RemoteSha 32db477385ad1f3d43e244be33e37e58b007d940

Contents

TASS	*Class wrapping the 64TASS assembler for easier testing of the R64 assembler*

Description

Class wrapping the 64TASS assembler for easier testing of the R64 assembler

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Details

Set 'option(TASS_BIN=...)' and 'option(X64_BIN=...)' to set the assembler and emulator executable locations, or pass in as arguments 'TASS$new(tass_bin=..., x64_bin=...)'

Public fields

asm the assembly code (as text)

tass_bin location of TASS executable

prg c64 PRG file with compiled 6502 machine code

debug text output during compilation Initialise TASS

Methods

Public methods:

- TASS$new()
- TASS$compile()
- TASS$get_asm()
- TASS$get_prg()
- TASS$get_debug()
- TASS$clone()

Method new():

Usage:

```
TASS$new(
  asm = NULL,
  tass_bin = getOption("TASS_BIN", "/opt/homebrew/bin/64tass")
)
```

Arguments:

asm the assembly code (as text)

tass_bin location of TASS executable Compile asm with 64TASS
    Note: Full TASS debugging output from the compilation step is kept in the variable debug.
    Use tass$get_debug() to access

Method compile():

Usage:

```
TASS$compile(verbosity = 1)
```

Arguments:

verbosity verboseness when compiling. 0 = no output, 1 = messages from TASS compilation, 2 = all output from TASS

Method `get_asm()`: Get the ASM text

Usage:

```
TASS$get_asm()
```

Method `get_prg()`: Get the compiled code as a raw vector

Usage:

```
TASS$get_prg()
```

Method `get_debug()`: Get the TASS debugging output from compilation

Usage:

```
TASS$get_debug()
```

Method `clone()`: The objects of this class are cloneable with this method.

Usage:

```
TASS$clone(deep = FALSE)
```

Arguments:

deep Whether to make a deep clone.

Examples

```
## Not run:
tass <- TASS$new("./asm/border.asm", tass_bin = "~/bin/64tass", x64_bin = "~/bin/x64")
tass$dump_asm()
tass$compile()
tass$get_prg()
tass$get_asm()
tass$compile_and_run()

## End(Not run)
```

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