

# TTY Struct

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struct `tty_struct` is allocated by the TTY layer upon the first open of the TTY device and released after the last close. The TTY layer passes this structure to most of struct `tty_operation`'s hooks. Members of `tty_struct` are documented in [TTY Struct Reference](#) at the bottom.

## Initialization

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_struct.rst, line 17)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: drivers/tty/tty_io.c
   :identifiers: tty_init_termios
```

## Name

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_struct.rst, line 23)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: drivers/tty/tty_io.c
   :identifiers: tty_name
```

## Reference counting

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_struct.rst, line 29)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: include/linux/tty.h
   :identifiers: tty_kref_get
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_struct.rst, line 32)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: drivers/tty/tty_io.c
   :identifiers: tty_kref_put
```

## Install

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_struct.rst, line 38)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: drivers/tty/tty_io.c
   :identifiers: tty_standard_install
```

## Read & Write

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_struct.rst, line 44)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: drivers/tty/tty_io.c
   :identifiers: tty_put_char
```

## Start & Stop

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_struct.rst, line 50)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: drivers/tty/tty_io.c
   :identifiers: start_tty stop_tty
```

## Wakeup

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_struct.rst, line 56)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: drivers/tty/tty_io.c
   :identifiers: tty_wakeup
```

## Hangup

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_struct.rst, line 62)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: drivers/tty/tty_io.c
   :identifiers: tty_hangup tty_vhangup tty_hung_up_p
```

## Misc

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_struct.rst, line 68)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: drivers/tty/tty_io.c
   :identifiers: tty_do_resize
```

## TTY Struct Flags

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_struct.rst, line 74)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: include/linux/tty.h
   :doc: TTY Struct Flags
```

## TTY Struct Reference

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\tty\[linux-master] [Documentation] [tty] tty\_struct.rst, line 80)**

Unknown directive type "kernel-doc".

```
.. kernel-doc:: include/linux/tty.h
   :identifiers: tty_struct
```