## **Driver Basics**

### **Driver Entry and Exit points**

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-
master\Documentation\driver-api\(linux-master\) (Documentation) (driver-api)basics.rst, line
7)
Unknown directive type "kernel-doc".

.. kernel-doc:: include/linux/module.h
:internal:
```

#### Driver device table

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\((linux-master)\) (Documentation) (driver-api) basics.rst, line 13)
```

Unknown directive type "kernel-doc".

```
.. kernel-doc:: include/linux/mod_devicetable.h
    :internal:
    :no-identifiers: pci_device_id
```

## Delaying, scheduling, and timer routines

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\((linux-master)\) (Documentation) (driver-api)basics.rst, line 21)
```

Unknown directive type "kernel-doc".

```
.. kernel-doc:: include/linux/sched.h
:internal:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\((linux-master)\) (Documentation) (driver-api)basics.rst, line 24)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: kernel/sched/core.c
:export:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\(linux-master\) (Documentation) (driver-api)basics.rst, line 27)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: kernel/sched/cpupri.c
:internal:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\(linux-master\) (Documentation) (driver-api)basics.rst, line 30)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: kernel/sched/fair.c
:internal:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\(linux-master\) (Documentation) (driver-api)basics.rst, line 33)

Unknown directive type "kernel-doc".

.. kernel-doc:: include/linux/completion.h
:internal:

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\(linux-master\) (Documentation) (driver-api) basics.rst, line 36)

Unknown directive type "kernel-doc".

.. kernel-doc:: kernel/time/timer.c
:export:

### Wait queues and Wake events

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\(linux-master\) (Documentation) (driver-api)basics.rst, line 42)

Unknown directive type "kernel-doc".

.. kernel-doc:: include/linux/wait.h
:internal:

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\(linux-master\) (Documentation) (driver-api) basics.rst, line 45)

Unknown directive type "kernel-doc".

.. kernel-doc:: kernel/sched/wait.c
:export:

## **High-resolution timers**

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\((linux-master)\) (Documentation) (driver-api) basics.rst, line 51)

Unknown directive type "kernel-doc".

.. kernel-doc:: include/linux/ktime.h
:internal:

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\((linux-master)\) (Documentation) (driver-api) basics.rst, line 54)

Unknown directive type "kernel-doc".

.. kernel-doc:: include/linux/hrtimer.h
:internal:

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\(linux-master\) (Documentation) (driver-api)basics.rst, line 57)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: kernel/time/hrtimer.c
:export:
```

#### **Internal Functions**

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\((linux-master)\) (Documentation) (driver-api) basics.rst, line 63)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: kernel/exit.c
:internal:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\(linux-master\) (Documentation) (driver-api)basics.rst, line 66)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: kernel/signal.c
:internal:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\(linux-master\) (Documentation) (driver-api)basics.rst, line 69)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: include/linux/kthread.h
:internal:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\((linux-master)\) (Documentation) (driver-api) basics.rst, line 72)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: kernel/kthread.c
:export:
```

# Reference counting

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\(linux-master\) (Documentation) (driver-api)basics.rst, line 78)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: include/linux/refcount.h
:internal:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\((linux-master)\) (Documentation) (driver-api)basics.rst, line 81)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: lib/refcount.c
    :export:
```

#### **Atomics**

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\((linux-master)\) (Documentation) (driver-api)basics.rst, line 87)
```

Unknown directive type "kernel-doc".

```
.. kernel-doc:: arch/x86/include/asm/atomic.h
:internal:
```

### Kernel objects manipulation

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\((linux-master)\) (Documentation) (driver-api) basics.rst, line 93)
```

Unknown directive type "kernel-doc".

```
.. kernel-doc:: lib/kobject.c
    :export:
```

### Kernel utility functions

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\((linux-master)\) (Documentation) (driver-api) basics.rst, line 99)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: include/linux/kernel.h
:internal:
:no-identifiers: kstrtol kstrtoul
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\((linux-master)\) (Documentation) (driver-api) basics.rst, line 103)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: kernel/printk/printk.c
:export:
:no-identifiers: printk
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\(linux-master\) (Documentation) (driver-api)basics.rst, line 107)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: kernel/panic.c
:export:
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\((linux-master)\) (Documentation) (driver-api) basics.rst, line 110)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: include/linux/overflow.h
    :internal:
```

## **Device Resource Management**

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\((linux-master)\) (Documentation) (driver-api)basics.rst, line 116)

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/base/devres.c
:export: