Memory Management APIs

User Space Memory Access

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master][Documentation][core-api]mm-api.rst, line 8)
Unknown directive type "kernel-doc".
```

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

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Unknown directive type "kernel-doc".

.. kernel-doc:: arch/x86/lib/usercopy_32.c
:export:

Unknown directive type "kernel-doc".

```
.. kernel-doc:: mm/gup.c
:functions: get_user_pages_fast
```

Memory Allocation Controls

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master] [Documentation] [core-api]mm-api.rst, line 22)

Unknown directive type "kernel-doc".

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

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master] [Documentation] [core-api]mm-api.rst, line 25)

Unknown directive type "kernel-doc".

```
.. kernel-doc:: include/linux/gfp.h
   :doc: Page mobility and placement hints
```

 $System\,Message: ERROR/3\, (\mbox{D:\nonboarding-resources}\) ample-onboarding-resources \label{linux-master} In commentation \core-api\[linux-master]\] [Documentation]\[linux-master]\] [Core-api]\[linux-master]\] and the constant \core-api\[linux-master]\] [Documentation]\[linux-master]\] [Documentation]\[linux-master]\] [Documentation]\[linux-master]\] [Documentation]\[linux-master]\[linux-m$

Unknown directive type "kernel-doc".

```
.. kernel-doc:: include/linux/gfp.h
   :doc: Watermark modifiers
```

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Unknown directive type "kernel-doc".

```
.. kernel-doc:: include/linux/gfp.h
:doc: Reclaim modifiers
```

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-
master\Documentation\core-api\[linux-master][Documentation][core-api]mm-api.rst, line 34)

Unknown directive type "kernel-doc".

.. kernel-doc:: include/linux/gfp.h
:doc: Useful GFP flag combinations
```

The Slab Cache

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master][Documentation][core-api]mm-api.rst, line 40)

Unknown directive type "kernel-doc".

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

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-
master\Documentation\core-api\[linux-master][Documentation][core-api]mm-api.rst, line 43)

Unknown directive type "kernel-doc".

.. kernel-doc:: mm/slab.c
:export:
```

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master][Documentation][core-api]mm-api.rst, line 46)

Unknown directive type "kernel-doc".

.. kernel-doc:: mm/slab_common.c
:export:
```

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master] [Documentation] [core-api]mm-api.rst, line 49)

Unknown directive type "kernel-doc".

.. kernel-doc:: mm/util.c
    :functions: kfree_const kvmalloc_node kvfree
```

Virtually Contiguous Mappings

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-
master\Documentation\core-api\[linux-master][Documentation][core-api]mm-api.rst, line 55)

Unknown directive type "kernel-doc".

.. kernel-doc:: mm/vmalloc.c
:export:
```

File Mapping and Page Cache

Filemap

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master][Documentation][core-api]mm-api.rst, line 64)

Unknown directive type "kernel-doc".

.. kernel-doc:: mm/filemap.c
:export:
```

Readahead

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master][Documentation][core-api]mm-api.rst, line 70)

Unknown directive type "kernel-doc".

.. kernel-doc:: mm/readahead.c
:doc: Readahead Overview
```

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master][Documentation][core-api]mm-api.rst, line 73)

Unknown directive type "kernel-doc".

.. kernel-doc:: mm/readahead.c
:export:
```

Writeback

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master][Documentation][core-api]mm-api.rst, line 79)

Unknown directive type "kernel-doc".

.. kernel-doc:: mm/page-writeback.c
:export:
```

Truncate

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master] [Documentation] [core-api]mm-api.rst, line 85)

Unknown directive type "kernel-doc".

.. kernel-doc:: mm/truncate.c
:export:
```

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master][Documentation][core-api]mm-api.rst, line 88)

Unknown directive type "kernel-doc".

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

Memory pools

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master][Documentation][core-api]mm-api.rst, line 94)

Unknown directive type "kernel-doc".

.. kernel-doc:: mm/mempool.c
:export:
```

DMA pools

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master] [Documentation] [core-api]mm-api.rst, line 100)
Unknown directive type "kernel-doc".

.. kernel-doc:: mm/dmapool.c
:export:
```

More Memory Management Functions

Unknown directive type "kernel-doc".

.. kernel-doc:: mm/memory.c
 :export:

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master] [Documentation] [core-api]mm-api.rst, line 109)

Unknown directive type "kernel-doc".

.. kernel-doc:: mm/page alloc.c

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master] [Documentation] [core-api]mm-api.rst, line 110)

Unknown directive type "kernel-doc".

.. kernel-doc:: mm/mempolicy.c

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Unknown directive type "kernel-doc".

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

 $System\,Message:\,ERROR/3\, (\mbox{D:\nonlinear-resources}) ample-onboarding-resources \mbox{linux-master}] \label{linux-master} \\ [Documentation] \mbox{[core-api]mm-api.rst, line 113)} \\$

Unknown directive type "kernel-doc".

.. kernel-doc:: include/linux/mm inline.h

 $System\,Message: ERROR/3~(\texttt{D:}\nonline) resources \verb|\sample-onboarding-resources| linux-master| [Documentation] [core-api]mm-api.rst, line 114)$

Unknown directive type "kernel-doc".

.. kernel-doc:: include/linux/page-flags.h

 $System\,Message: ERROR/3~(\texttt{D:}\nonline) resources \verb|\sample-onboarding-resources| linux-master| [Documentation] [core-api]mm-api.rst, line~115)$

Unknown directive type "kernel-doc".

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

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\core-api\[linux-master] [Documentation] [core-api]mm-api.rst, line 117)

Unknown directive type "kernel-doc".

.. kernel-doc:: include/linux/page ref.h

 $System \, Message: ERROR/3 \, (\mbox{D:\noncoarding-resources} \mbox{sample-onboarding-resources} \mbox{linux-master}] \, [\mbox{Documentation}] \, [\mbox{core-api}] \, \mbox{mm-api.rst}, \, \mbox{line} \, \, 118)$

Unknown directive type "kernel-doc".

.. kernel-doc:: include/linux/mmzone.h

 $System\,Message: ERROR/3~(\texttt{D:\onboarding-resources\sample-onboarding-resources\linux-master)} \ [\texttt{Documentation}] \ [\texttt{core-api}] \ [\texttt{mm-api.rst}, \ line \ 119) \]$

Unknown directive type "kernel-doc".

.. kernel-doc:: mm/util.c
 :functions: folio_mapping