**kernel**

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| **SYSTEM** | |
| do\_exec | 执行 |
| do\_setalarm | 设置警告 |

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| **Kernel** | |
| table | 表 |
| mpx |  |
| mpx386 |  |
| start | 开始 |
| main | 主 |
| proc | 进程 |
| exception | 异常 |
| i8259 | 控制器 |
| protect | 保护 |
| klib.s | 内核库 |
| klib386.s | 内核库386 |
| utility | 实用工具 |
| system | 系统 |
| clock | 时钟 |

1. table.c
2. mpx.s
3. mpx386.s
4. start.c

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| **start.c** | | | |
| 作 | 类型 | 函数 | 说明功能 |
| 16x16 | void | cstart(cs, ds, mds, parmoff, parmsize) |  |
| 16x16 | char | \*get\_value(params, name) |  |

1. main.c

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| **main.c** | | | |
| 作用域 | 类型 | 函数 | 说明功能 |
| 16x16 | void | main() |  |
| 16x16 | void | announce(void) |  |
| 16x16 | void | prepare\_shutdown(how) |  |
| 16x16 | void | shutdown(tp) |  |

1. proc.c

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| **proc.c** | | | |
| 作用域 | 类型 | 函数 | 说明功能 |
| 16x16 | int | sys\_call(call\_nr, src\_dst, m\_ptr) |  |
| 16x16 | int | mini\_send(caller\_ptr, dst, m\_ptr, flags) |  |
| 16x16 | int | mini\_receive(caller\_ptr, src, m\_ptr, flags) |  |
| 16x16 | int | mini\_notify(caller\_ptr, dst) |  |
| 16x16 | int | lock\_notify(src, dst) |  |
| 16x16 | void | enqueue(rp) |  |
| 16x16 | void | dequeue(rp) |  |
| 16x16 | void | sched(rp, queue, front) |  |
| 16x16 | void | pick\_proc() |  |
| 16x16 | int | lock\_send(dst, m\_ptr) |  |
| 16x16 | void | lock\_enqueue(rp) |  |
| 16x16 | void | lock\_dequeue(rp) |  |

1. exception.c

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| **exception.c** | | | |
| 作用域 | 类型 | 函数 | 说明功能 |
| 16x16 | void | Exception(vec\_nr) |  |

1. i8259.c

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| **I8259.c** | | | |
| 作用域 | 类型 | 函数 | 说明功能 |
| 16x16 | void | intr\_init(mine) |  |
| 16x16 | void | put\_irq\_handler(hook, irq, handler) |  |
| 16x16 | void | rm\_irq\_handler(hook) |  |
| 16x16 | void | intr\_handle(hook) |  |

1. protect.c

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| **protect.c** | | | |
| 作用域 | 类型 | 函数 | 说明功能 |
| 16x16 | void | prot\_init() |  |
| 16x16 | void | init\_codeseg(segdp, base, size, privilege) |  |
| 16x16 | void | init\_dataseg(segdp, base, size, privilege) |  |
| 16x16 | void | sdesc(segdp, base, size) |  |
| 16x16 | phys\_bytes | seg2phys(seg) |  |
| 16x16 | void | phys2seg(seg, off, phys) |  |
| 16x16 | void | int\_gate(vec\_nr, offset, dpl\_type) |  |
| 16x16 | void | enable\_iop(pp) |  |
| 16x16 | void | alloc\_segments(rp) |  |

1. klib.s
2. klib386.s
3. utility.c

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| **utility.c** | | | |
| 作用域 | 类型 | 函数 | 说明功能 |
| 16x16 | void | panic(mess, nr) |  |
| 16x16 | void | kprintf(const char \*fmt, …) |  |
| 16x16 | void | kputc(c) |  |

1. system.c

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| **system.c** | | | |
| 作用域 | 类型 | 函数 | 说明功能 |
| 16x16 | void | sys\_task() |  |
| 16x16 | void | initialize(void) |  |
| 16x16 | int | get\_priv(rc, proc\_type) |  |
| 16x16 | void | get\_randomness(source) |  |
| 16x16 | void | send\_sig(proc\_nr, sig\_nr) |  |
| 16x16 | void | cause\_sig(proc\_nr, sig\_nr) |  |
| 16x16 | phys\_bytes | umap\_local(rp, seg, vir\_addr, bytes) |  |
| 16x16 | phys\_bytes | umap\_remote(rp, seg, vir\_addr, bytes) |  |
| 16x16 | phys\_bytes | umap\_bios(rp, vir\_addr, bytes) |  |
| 16x16 | int | virtual\_copy(src\_addr, dst\_addr, bytes) |  |

1. clock.c

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| **clock.c** | | | |
| 作用域 | 类型 | 函数 | 说明功能 |
| 16x16 | void | clock\_task() |  |
| 16x16 | int | do\_clocktick(m\_ptr) |  |
| 16x16 | void | init\_clock() |  |
| 16x16 | void | clock\_stop(0 |  |
| 16x16 | int | clock\_handler(hook) |  |
| 16x16 | clock\_t | get\_uptime() |  |
| 16x16 | void | set\_timer(tp, exp\_time, watchdog) |  |
| 16x16 | void | reset\_timer(tp) |  |
| 16x16 | unsigned long | read\_clock() |  |

标图说明

公用 public



私用 private



有点像正在ing…



16x16有点像停止