# TODO

# 添加开机log帮助分析耗时

## 配置kernel/init/Kconfig

内核配置日志级别，在PRINTK之下添加配置项

config PRINTK  
 default y  
 bool "Enable support for printk" if EXPERT  
 select IRQ\_WORK

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| #ka | | | | | | | | | | | |
| config PRINTK\_ENABLE\_OUTPUT | | | | | |  |  |  |  |  |  |
| default n | |  |  |  |  |  |  |  |  |  |  |
| bool "Open or close kernel log to uart" | | | | | | | | | | | |
| depends on PRINTK | | | | |  |  |  |  |  |  |  |
| help |  |  |  |  |  |  |  |  |  |  |  |
| This option control normal printk output. | | | | | | | | | | | |
| # | | | | | | | | | | |  |

## 打印级别kernel/printk/printk.c

/use PRINTK\_ENABLE\_OUTPUT to control printk output start

int console\_printk[4] = {

#ifdef CONFIG\_PRINTK\_ENABLE\_OUTPUT

CONSOLE\_LOGLEVEL\_DEFAULT,

#else

CONSOLE\_LOGLEVEL\_SILENT, /\* console\_loglevel \*/

#endif

MESSAGE\_LOGLEVEL\_DEFAULT, /\* default\_message\_loglevel \*/

CONSOLE\_LOGLEVEL\_MIN, /\* minimum\_console\_loglevel \*/

CONSOLE\_LOGLEVEL\_DEFAULT, /\* default\_console\_loglevel \*/

};

//use PRINTK\_ENABLE\_OUTPUT to control printk output end

# HZ提升

arch\arm64\configs

arch/arm64/configs/kp001\_coredump\_defconfig

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # CONFIG\_HZ\_100 is not set | | | |  |
| # CONFIG\_HZ\_250 is not set | | | |  |
| **# CONFIG\_HZ\_300 is not set** | | | | |
| **CONFIG\_HZ\_1000=y** | |  |  |  |
| **CONFIG\_HZ=1000** |  |  |  |  |

kernel / arch/arm64/configs/XX\_defconfig

|  |  |  |  |
| --- | --- | --- | --- |
| # CONFIG\_HZ\_100 is not set | | | |
| # CONFIG\_HZ\_250 is not set | | | |
| **# CONFIG\_HZ\_300 is not set** | | | |
| **CONFIG\_HZ\_1000=y** | |  |  |
| **CONFIG\_HZ=1000** |  |  |  |

# REF