## OpenEuler kdump

```
Kernel command line: rw console=tty50 irqpoll nr_cpus=1 reset_devices novmcoredd noinitrd

Misrouted TPO fixup and polling support enabled

[ 0.000000] percpu: Embedded 20 pages/cpu s41400 r8192 d32328 U81920

[ 0.000000] Kernel command line: root=/dev/vda rw console=tty50 crashkernel=128M

[ 0.000000] Deptry cache back table entries: 262144 (order: 9 2007152 bytes linear)
```

• 在 /etc/sysconf/kdump 种cmdline参数加上 root=/dev/vda, crash

```
Kernel就成功boot了。。。。

# NOTE: some arguments such as crashkernel will always be removed KDUMP_COMMANDLINE_REMOVE="hugepages hugepages z slub_debug quiet"

# This variable lets us append arguments to the current kdump commandline
# after processed by KDUMP_COMMANDLINE_REMOVE
KDUMP_COMMANDLINE_APPEND="root=/dev/vda rw console=tty50 irqpoll nr_cpus=1 reset_devices novmcoredd noinitrd"

# Any additional kexec arguments required. In most situations, this should
```

## 生成在规定目录的vmcore

用crash查看vmcore,好像没什么反应。。。

```
Crash 8.0.2-4.0e2309
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```

kernel debug related config

```
Symbol: DEBUG INFO [=v]
 SYMBOL: DEBUG_ARTY [-7]
Type: bool
Defined at Lib/Kconfig.debug:227
Selected by [y]:
- DEBUG_INFO_DWARF4 [=y] && <choice> && (ICC_IS_CLANG [=n] || AS_IS_LLVM [=n] || AS_IS_GNU [=y] && AS_VERSION [=23900]>=2350
Selected by [n]:
- DEBUG_INFO_DWARF TOOLCHAIN_DEFAULT [=n] && <choice> && (ICC_IS_CLANG [=n] || AS_IS_LLVM [=n] || CLANG_VERSION [=0]<140000
- DEBUG_INFO_DWARF5 [=n] && <choice> && (ICC_IS_CLANG [=n] || AS_IS_LLVM [=n] || AS_IS_GNU [=y] && AS_VERSION [=23900]>=2350
 Symbol: DEBUG_INFO_BTF [=n]
Type : bool
Defined at Lib/Kconfig.debug:375
Prompt: Generate BTF typeinfo
Depends on: DEBUG_INFO [=y] && | DEBUG_INFO_SPLIT [=n] && | DEBUG_INFO_REDUCED [=n] && (| GCC_PLUGIN_RANDSTRUCT [=n] | | COMPILE
       Location:
                 tion:
Kernel hacking
-> Compile-time checks and compiler options
-> Generate BTF typeinfo (DEBUG_INFO_BTF [=n])
  Symbol: DEBUG_INFO_BTF_MODULES [=n]
 Type: bool

Defined at lib/Kconfig.debug:406

Depends on: DEBUG_INFO [=y] && DEBUG_INFO_BTF [=n] && MODULES [=y] && PAHOLE_HAS_SPLIT_BTF [=y]
Symbol: DEBUG_INFO_CUMPRESSED_...
Type : bool
Defined at lib/Kconfig.debug:323
Prompt: Don't compress debug information
Depends on: <choice>
Location:
    -> Kernel hacking
    -> Compile-time checks and compiler options
    -> Compressed Debug information (<choice> [=y])

-> Don't compress debug information (DEBUG_INFO_COMPRESSED_NONE [=y])
  Symbol: DEBUG_INFO_COMPRESSED_NONE [=y]
  Symbol: DEBUG_INFO_COMPRESSED_ZLIB [=n]
  Type : bool
Defined at Lib/Kconfig.debug:328
Prompt: Compress debugging information with zlib
Depends on: <choice>
       Location:
               ttion:

- Kernel hacking

-> Compile-time checks and compiler options

-> Compressed Debug information (<choice> [=y])

-> Compress debugging information with zlib (DEBUG_INFO_COMPRESSED_ZLIB [=n])
 Symbol: DEBUG_INFO_COMPRESSED_ZSTD [=n]
Type : bool
Defined at Lib/Kconfig.debug:343
Prompt: Compress debugging information with zstd
Depends on: n
Location:
           cation:
-> Kernel hacking
-> Compile-time checks and compiler options
-> Compile-time checks and compiler options
-> Compressed Debug information (<choice> [=y])
-> Compress debugging information with zstd (DEBUG_INFO_COMPRESSED_ZSTD [=n])
  Symbol: DEBUG_INFO_DWARF4 [=y]
 Symbol: Debug_Info_Dwarf4 [-y]
Type : bool
Pefined at Lib/Kconfig.debug:270
Prompt: Generate DwARF Version 4 debuginfo
Depends on: <choice> && (ICC_IS_CLANG [=n] || AS_IS_LLVM [=n] || AS_IS_GNU [=y] && AS_VERSION [=23900]>=23502)
Location:
  Location:
-> Kernel hacking
-> Compile-time checks and compiler options
-> Debug information (<choice> [=y])
(5) -> Generate DWARF Version 4 debuginfo (DEBUG_INFO_DWARF4 [=y])
Selects: DEBUG_INFO [=y]
  Symbol: DEBUG_INFO_DWARF5 [=n]
 Type: bool
Type: bool
Defined at Lib/Kconfig.debug:282
Prompt: Generate DWARF Version 5 debuginfo
Depends on: <choice> && (ICC_IS_CLANG [=n] || AS_IS_LLVM [=n] || AS_IS_GNU [=y] && AS_VERSION [=23900]>=23502 && AS_HAS_NON_
  Location:

-> Kernel hacking
-> Compile-time checks and compiler options
-> Debug information (<choice> [=y])

(6) -> Generate DWARF Version 5 debuginfo (DEBUG_INFO_DWARF5 [=n])
Selects: DEBUG_INFO [=y]
  Symbol: DEBUG_INFO_DWARF_TOOLCHAIN_DEFAULT [=n]
 Type: bool

New Prompt: Rely on the toolchain's implicit default DWARF version

Pepends on: <choice> && (ICC_IS_CLANG [=n] || AS_IS_LLVM [=n] || CLANG_VERSION [=0]<140000 || AS_IS_GNU [=y] && AS_VERSION [= 0] |

New Prompt: Rely on the toolchain's implicit default DWARF version

Depends on: <choice> && (ICC_IS_CLANG [=n] || AS_IS_LLVM [=n] || CLANG_VERSION [=0]<140000 || AS_IS_GNU [=y] && AS_VERSION [= 0]</p>
       Location:
  Location:
-- Kernel hacking
-- Compile-time checks and compiler options
-- Debug information (<choice> [=y])
-- Rely on the toolchain's implicit default DWARF version (DEBUG_INFO_DWARF_TOOLCHAIN_DEFAULT [=n])
Selects: DEBUG_INFO [=y]
  Symbol: DEBUG_INFO_NONE [=n]
  Sympol: DeBUG_INFO_NOME [=n]
Type : bool
Defined at lib/Kconfig.debug:252
Prompt: Disable debug information
Depends on: <choice>
       Location:
          poation:
    -> Kernel hacking
    -> Compile-time checks and compiler options
    -> Debug information (cchoice> [=y])
    -> Disable debug information (DEBUG_INFO_NONE [=n])
  Symbol: DEBUG INFO REDUCED [=n]
 Symbol: DEBUG_INFO_REDUCED [=n]
Type : bool
Defined at lib/Kconfig.debug:303
Prompt: Reduce debugging information
Depends on: DEBUG_INFO [=y]
Location:
           ocation:
--> Kernel hacking
--> Compile-time checks and compiler options
--> Reduce debugging information (DEBUG_INFO_REDUCED [=n])
  (9)
                                                                                                                                                                                                                                                                                       ( 92%)
```