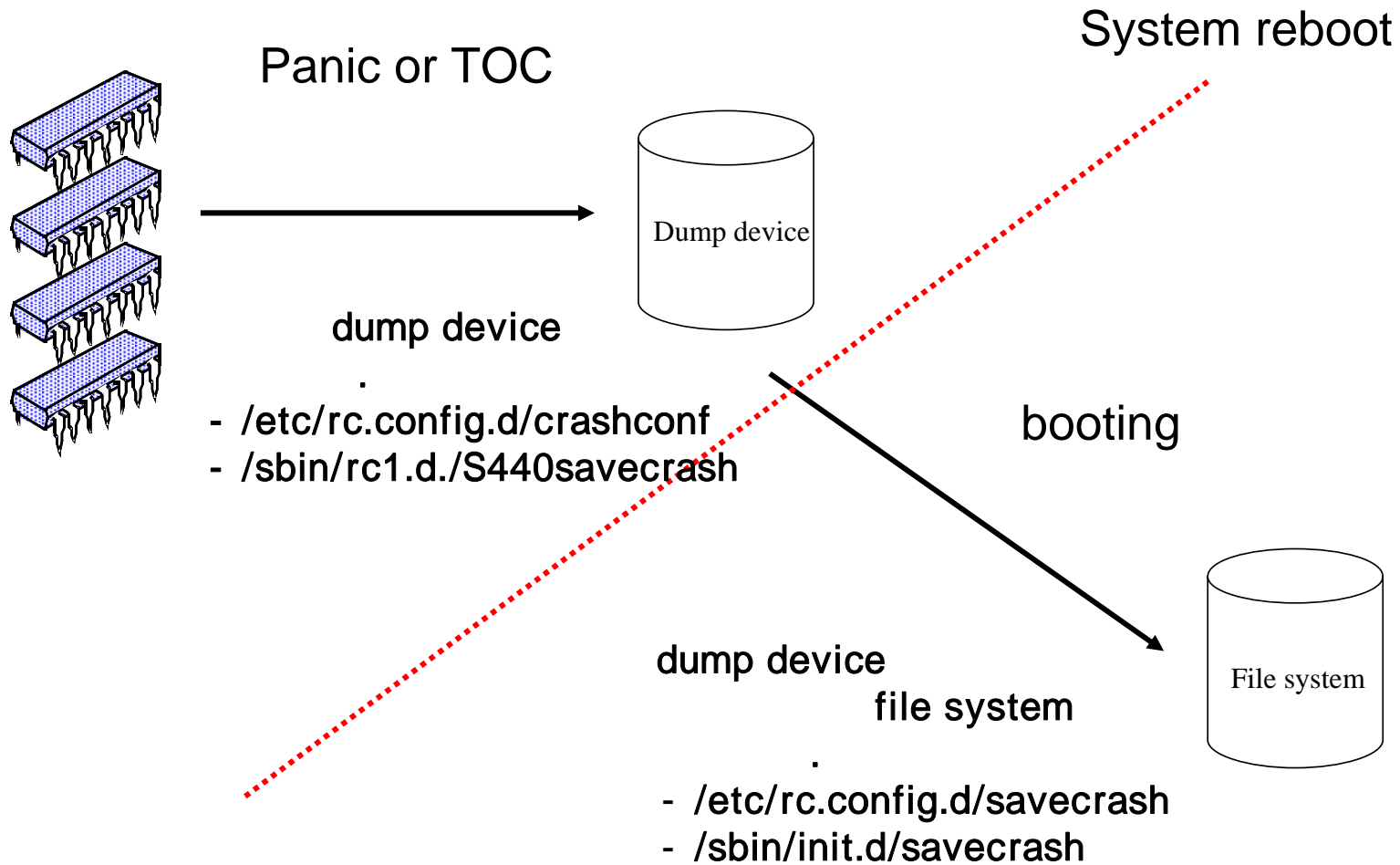


# Crash dump





# Crash dump device

krcdump</etc/rc.config.d> crashconf -v

CLASS	PAGES	INCLUDED	IN DUMP	DESCRIPTION
-------	-------	----------	---------	-------------

UNUSED	13899	no,	by default	unused pages
USERPG	45913	no,	by default	user process pages
BCACHE	130278	no,	by default	buffer cache pages
KCODE	1551	no,	by default	kernel code pages
USTACK	839	yes,	by default	user process stacks
FSDATA	457	yes,	by default	file system metadata
KDDATA	58232	yes,	by default	kernel dynamic data
KSDATA	10975	yes,	by default	kernel static data

Total pages on system: 262144

Total pages included in dump: 70503 ( 70503\*4096 -> 275MB )

DEVICE	OFFSET(kB)	SIZE (kB)	LOGICAL VOL.	NAME
--------	------------	-----------	--------------	------

31:0x016000	310112	1572864	64:0x000002	/dev/vg00/lvol2
-------------	--------	---------	-------------	-----------------

-----  
1572864

# crash

## 1. Panic

- Spinlock
- Data page fault
- kmalloc panic

## 2. TOC

- Manual TOC : console, remote access
- MC/SG TOC

## 3. HPMC

# crashinfo

```
# gunzip dump_analyse.tar.gz
# tar xvf dump_analyse.tar
x ./q4lib/11.00/sleep_queue.pl, 8887      , 18
x ./q4lib/11.00/vfs.pl, 13043           , 26
x ./q4lib/11.00/stape.pl, 5187          , 11
x ./q4lib/11.00/vm_analyze.pl, 49713    , 98
x ./q4lib/11.00/swapconf.pl, 12166     , 24
x ./q4lib/11.00/pci.pl, 4644            , 10
x ./q4lib/11.00/processes.pl, 11509    , 23
x ./q4lib/11.00/proclist.pl, 14130     , 28
x ./q4lib/11.00/vm.pl, 8225             , 17
x ./q4lib/11.00/ots.pl, 49538          , 97
....
# ./set_env      ← - - - -
```

```
[root@krcdump:/mcs/kbs/11internal-labs/Mod3/dump1] ll
```

```
total 490864
```

```
-rwxr--r-- 1 root sys 1033 7 2 14:18 INDEX
-rwxr--r-- 1 root sys 67092480 7 2 14:18 image.1.1
-rwxrwxrwx 1 root sys 14028800 10 25 22:09 image.1.2
-rwxr--r-- 1 root sys 67080192 7 2 14:18 image.2.1
-rwxr--r-- 1 root sys 2153835 7 2 14:18 image.2.2.gz
-rwxr--r-- 1 root sys 67100672 7 2 14:18 image.2.3
-rwxr--r-- 1 root sys 18771968 7 2 14:18 image.2.4
-rwxr--r-- 1 root sys 14132336 7 2 14:18 vmunix
```

```
[root@krcdump:/mcs/kbs/11internal-labs/Mod3/dump1] crashinfo . > crashinfo.txt
```

```
crashinfo (3.40)
```

```
[root@krcdump:/mcs/kbs/11internal-labs/Mod3/dump1]
```