

# AIX Full memory dump configure

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```
#oslevel -s  
6100-03-00-0000
```

```
#lsattr -El mem0  
ent_mem_cap I/O memory entitlement in Kbytes False  
goodsz 4096 Amount of usable physical memory in Mbytes False  
size 4096 Total amount of physical memory in Mbytes False  
var_mem_weight Variable memory capacity weight False
```

```
#lsattr -El proc0  
frequency 4204000000 Processor Speed False  
smt_enabled true Processor SMT enabled False  
smt_threads 2 Processor SMT threads False  
state enable Processor state False  
type PowerPC_POWER6 Processor type False
```

## **Procédure:**

```
#sysdumpdev -l  
primary /dev/hd6  
secondary /dev/sysdumpnull  
copy directory /var/adm/ras  
forced copy flag TRUE  
always allow dump FALSE  
dump compression ON  
type of dump traditional
```

```
#mklv -t sysdump -y dumpfull rootvg 5G
dumpfull
```

```
#sysdumpdev -P -p /dev/dumpfull
primary /dev/dumpfull
secondary /dev/sysdumpnull
copy directory /var/adm/ras
forced copy flag TRUE
always allow dump FALSE
dump compression ON
type of dump traditional
```

```
#sysdumpdev -L
0453-019 No previous dumps recorded.
```

Scanning device /dev/dumpfull for existing dump.  
A valid dump was not detected in the dump devices.

```
#sysdumpdev -e
0453-041 Estimated dump size in bytes: 191050547
```

```
#svmon -G
size inuse free pin virtual
memory 1048576 310598 774842 140345 261756
pg space 131072 1942
```

```
work pers clnt other
pin 69839 0 0 70506
in use 261756 0 48842
```

```
PageSize PoolSize inuse pgsp pin virtual
s 4 KB - 211078 1942 90137 162236
m 64 KB - 6220 0 3138 6220
```

```
#sysdumpdev -t fw-assisted
```

Attention: the firmware-assisted system dump will be configured at the next reboot.

#shutdown -Fr

....

#sysdumpdev -f 'require'

#sysdumpdev -K

#sysdumpdev -l

primary /dev/dumpfull

secondary /dev/sysdumpnull

copy directory /var/adm/ras

forced copy flag TRUE

always allow dump TRUE

dump compression ON

type of dump fw-assisted

full memory dump require

**Attention:** Lancement d'un dump pour valider la taille (ne pas executer cette commande)

#sysdumpstart -p -f require

\*\*\*\* Dump ..... reboot \*\*\*\*

#sysdumpdev -L

0453-039

Device name: /dev/dumpfull

Major device number: 10

Minor device number: 12

Size: 357855232 bytes

Uncompressed Size: 4211277628 bytes

Date/Time: Tue May 11 18:42:47 CDT 2010

Dump status: 0

Type of dump: fw-assisted  
dump completed successfully

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