

```

: <http://cafe.daum.net/osschool>
: Core
: 2004.4.11 <Solaris version : 9>

```

Core

1. Core ?

- Process image , Process 가

kernel

Process

가

2. core

- find

```
[/] # find / -name core -exec ls -al {} \;
```

3. Process core ?

- gcore

```
[/] # echo $$
```

←

shell PID

2374

```
[/] # gcore $$
```

gcore: core.2374 dumped

```
[/] # ls -l core.2374
```

```
- rw-r--r-- 1 root other 220072 4 11 19:52 core.2374
```

4. Core (..)

1) core Process

```
[/] # pflags core.2374
core 'core.2374' of 2374:      -ksh      ← core      ksh      .
data model = _ILP32  flags = PR_RLC
/1:  flags = PR_STOPPED|PR_ISTOP|PR_ASLEEP [ waitid(0x7,0x0,0xffbfff928,0x7) ]
why = PR_REQUESTED
```

2) core stack

```
[/] # pstack core.2374
core 'core.2374' of 2374:      -ksh
ff21eeac waitid  (7, 0, ffbfff928, 7)
ff1d80c4 _waitpid (ffffffff, ffbffa2c, 4, 46450, 0, 0) + 5c
00025f1c job_wait (9fb, 0, 9fb, 32374, 41268, 3eff2) + 188
00032620 sh_exec  (45484, 34, 41c00, 258, 81010100, ff0000) + c30
00029930 ???????? (42f58, 3e3ef, 41c00, 0, 28c44, ff3d7c40)
00029208 main     (41c00, ffbffebc, ffbffec4, 40400, 0, 0) + 8b8
00016b10 _start   (0, 0, 0, 0, 0, 0) + 108
```

5. coreadm

core .

1) core

```
[/] # mkdir -p /var/core      ← core
[/] # coreadm -g /var/core/core.$f.$p -e global
      ← core
[/] # sleep 10000 &      ←
[1] 12345

[/] # kill -8 12345      ←      sleep      process      core
[1] +      (Arithmetic Exception)(      )sleep 1000&
[/] # ls -l /var/core/core.sleep.12345
```

2) core

```

    $f , $p
    %p      : PID (process id)
    %u      : user id
    %g      : group id
    %f      :
    %n      : (uname -n)      ,      host
    %m      : host hardware      (uname -m)
    %t      :

```

3) coreadm core

```

- coreadm
- coreadm
- coreadm
[/] # mkdir -p /var/pid
[/] # sleep 1000&
[1] 2345
[/] # coreadm -p /var/pid/core.%f.%p 2345    ← PID 2345
[/] # kill -8 2345
[1] + (Arithmetic Exception)( )sleep 1000&
[/] # ls -al /var/pid/core.sleep.2345

```

4) coreadm

```

- coreadm
- coreadm
[/] # ls -al /etc/coreadm.conf
-rw-r--r--  1 root  other      331  4   11   20:29 /etc/coreadm.conf

[/] # cat /etc/coreadm.conf
(1) COREADM_GLOB_PATTERN=/var/core/core..
(2) COREADM_INIT_PATTERN=core
(3) COREADM_GLOB_ENABLED=yes
(4) COREADM_PROC_ENABLED=yes
(5) COREADM_GLOB_SETID_ENABLED=no
(6) COREADM_PROC_SETID_ENABLED=no
(7) COREADM_GLOB_LOG_ENABLED=no

```

(1)

COREADM_GLOB_PATTERN=/var/core/core..

- 가 core

[/] # coreadm -g /var/core/core.%f.%p

(2)

COREADM_INIT_PATTERN=core

- core

[/] # coreadm -i core

(3)

COREADM_GLOB_ENABLED=yes

- 가 core

(1)

core

가?

[/] # coreadm -e global ← “ yes ”

[/] # coreadm -d global ← “ no ”

(4)

COREADM_PROC_ENABLED=yes

- 가

가 core

가?

[/] # coreadm -e process ← “ yes ”

[/] # coreadm -p /var/core/core.%f.%p PID

[/] # coreadm -d process ← “ no ”

(5)

COREADM_GLOB_SETID_ENABLED=no

- core

uid

gid가

id

[/] # coreadm -e global-setid ← “ yes ”

[/] # coreadm -d global-setid ← “ no ”

(6)

COREADM_PROC_SETID_ENABLED=no

- core

uid

gid가

id

[/] # coreadm -e proc-setid ← “ yes ”

[/] # coreadm -d proc-setid ← “ no ”

(7)

COREADM_GLOB_LOG_ENABLED=no

- coredump syslog 가?

[/] # coreadm -e log ← “ yes ”

[/] # coreadm -d log ← “ no ”