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Memory Image Loader (mimgload) 0.1
The Portland L4 Kernel (pork), February 2007
sigma0 case succeeded!
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sigma0 case succeeded!
This is a simple sigma0 server
sigma0 utcb is at: 100100
Now waiting for first message ...
First message from c4001
sigma0: received msg (tag=ffe40002) from c4001
pagefault c4001, mr1=501a64, mr2=501a64
sigma0: received msg (tag=ffe20002) from c4001
pagefault c4001, mr1=503094, mr2=501335
sigma0: received msg (tag=ffe20002) from c4001
pagefault c4001, mr1=505104, mr2=501b50
sigma0: received msg (tag=ffe20002) from c4001
pagefault c4001, mr1=b8692, mr2=501bc0
sigma0: received msg (tag=ffe40002) from c4001
pagefault c4001, mr1=5000bb, mr2=501e9b
sigma0: received msg (tag=ffe20002) from c4001
pagefault c4001, mr1=502ffc, mr2=501bfb
This is a root server!
----Displaying Kernel Interface Page mapped at 0x108000
The Portland L4 Kernel (pork), February 2007
Kernel      : pork, id 0.0, version 1.2, generated Feb 4, 2007
Magic Number : L4OK
API         : version 0x87010000, flags 0x0 (little endian, 32 bit API)
Memory Descriptors:
  0x0: [0x0 - 0xbfffffff] 0x201
  0x1: [0x0 - 0xffffffff] 0x4
  0x2: [0xa0000 - 0xffffffff] 0x4
  0x3: [0x0 - 0x9fbff] 0x1
  0x4: [0x9fc00 - 0x9ffff] 0x1
  0x5: [0xf0000 - 0xffffffff] 0x1
  0x6: [0x100000 - 0x1ffdfbf] 0x1
  0x7: [0x1ffe000 - 0x1fffffff] 0x1
  0x8: [0xfffc0000 - 0xffffffff] 0x1
  0x9: [0x0 - 0x3fff] 0x2e
  0xa: [0x100000 - 0x10e3ff] 0x2e
  0xb: [0x400000 - 0x402bff] 0x2e
  0xc: [0x500000 - 0x5053ff] 0x2e
  0xd: [0x10f000 - 0x3fffff] 0x2
  0xe: [0x403000 - 0x4f0fff] 0x2
ProcessorInfo : 1 processors, ProcDesc size=8
  Processor 0 : external 0MHz, frequency 0MHz
VirtRegInfo   : 64 MRs
ThreadInfo    : user base 48, system base 16, thread bits 17
UtcBInfo      : s=12, a=9, multiplier=1
KipAreaInfo   : size=12
PageInfo      : supported access rights rw-, page sizes: 4K 4M

Privileged System Calls:
SpaceControl   : 0x108580   ThreadControl    : 0x108583
ProcessorControl : 0x108586   MemoryControl    : 0x108589

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System Calls:

Ipc	: 0x10858c	Lipc	: 0x10858f
Unmap	: 0x108592	ExchangeRegisters	: 0x108595
ThreadSwitch	: 0x108598	Schedule	: 0x10859b

sigma0: received msg (tag=ffe20002) from c4001
pagefault c4001, mr1=5040e0, mr2=50138a
spawning ping: tid=190001, space=190001, scheduler=c4001, pager=c0001
created ping (tid 190001) 1
configured space for ping -> 1
Error code is 0, control=0
activated ping: 1
Pager is c0001
Error code is 0
starting ping: ip=501095, sp=505100
thread ping (tid 190001) is now running
spawning pong: tid=320001, space=320001, scheduler=c4001, pager=c0001
created pong (tid 320001) 1
configured space for pong -> 1
Error code is 0, control=0
activated pong: 1
Pager is c0001
Error code is 0
starting pong: ip=501034, sp=5040e0
thread pong (tid 320001) is now running
keyboard id = 4001, my id = c4001
associate produces 1
sigma0: received msg (tag=ffe40002) from 190001
pagefault 190001, mr1=501095, mr2=501095
sigma0: received msg (tag=ffe40002) from 320001
pagefault 320001, mr1=501034, mr2=501034
sigma0: received msg (tag=ffe20002) from 190001
pagefault 190001, mr1=5050fc, mr2=501095
sigma0: received msg (tag=ffe20002) from 320001
pagefault 320001, mr1=5040dc, mr2=501034
sigma0: received msg (tag=ffe40002) from 190001
pagefault 190001, mr1=5040e0, mr2=5010c4
sigma0: received msg (tag=ffe40002) from 320001
pagefault 320001, mr1=5030c0, mr2=501038
sigma0: received msg (tag=ffe40002) from 190001
pagefault 190001, mr1=500000, mr2=501e9b
sigma0: received msg (tag=ffe40002) from 190001
pagefault 190001, mr1=502094, mr2=501dbc
sigma0: received msg (tag=ffe40002) from 190001
pagefault 190001, mr1=5030a4, mr2=501c16
sigma0: received msg (tag=ffe20002) from 190001
pagefault 190001, mr1=b8eb2, mr2=501c36
, 0, 0, 457274935
0, 1, 0, 441216855
0, 2, 0, 454951648
0, 3, 0, 399400092
0, 4, 0, 470872593
0, 5, 0, 718800301
0, 6, 0, 929081340
0, 7, 0, 543354356
...

A demo using “pork”

