

Plain Setup
no tricks yet

serves all VA's
00000000 to FFFFFFFF

page directory

1023:
1022:
...
769:
768:
767:
766:
...
513:
512:
511:
510:
...
257:
256:
255:
...
2:
1:
0:

pdb

OAPT

2047:
2046:
Serves VAs
4: C0000000
3: to
2: 803FFFFF
1:
0:

2047:
2046:
free page
list part
one
3: is at VAs
2: C03FF000
1: to
0: C03FF7FF

2047:
2046:
free page
list part
two
3: is at VAs
2: C03FF800
1: to
0: C03FFFFF

2047:
2046:
critical
variable
3: is at VAs
2: C0000000
1: to
0: C00007FF

OSPT

2047:
Serves VAs
4: BFC00000
3: to
2: BFFFFF
1:
0:

2047:
2046:
OS stack
page
3: is at VAs
2: BFFFF800
1: to
0: BFFFFFFF

2047:
2046:
OS code
page 3
3: is at VAs
2: 80001000
1: to
0: 800017FF

2047:
2046:
OS code
page 2
3: is at VAs
2: 80000800
1: to
0: 80000FFF

OCPT

2047:
Serves VAs
4: 80000000
3: to
2: 803FFFFF
1:
0:

2047:
2046:
usr stk
page 1
3: is at VAs
2: 7FFFF800
1: to
0: 7FFFFFFF

2047:
2046:
usr stk
page 2
3: is at VAs
2: 7FFFF000
1: to
0: 7FFFF7FF

2047:
2046:
OS code
page 1
3: is at VAs
2: 80000000
1: to
0: 800007FF

USPT

2047:
2046:
Serves VAs
4: 7FC00000
3: to
2: 7FFFFFFF
1:
0:

2047:
2046:
usr code
page 1
3: is at VAs
2: 00000800
1: to
0: 00000FFF

2047:
2046:
usr code
page 2
3: is at VAs
2: 00001000
1: to
0: 000017FF

UCPT

2047:
Serves VAs
4: 00000000
3: to
2: 003FFFFF
1:
0: 0

Red: VA
Range Controlled

Serves all VA's
00000000 to FFFFFFFF

C0000800
to
C0000FFF

page
directory

1023:
1022:
...
769:
768:
767:
766:
...
513:
512:
511:
510:
...
257:
256:
255:
...
2:
1:
0:

pdbr

OAPT

2047:
2046:
Serves VAs
4: C0000000
3: to
2: 803F FFFF
1:
0:

2047:
2046:
free page
list part
one
3: is at VAs
2: C03FF000
1: to
0: C03FF7FF

2047:
2046:
free page
list part
two
3: is at VAs
2: C03FF800
1: to
0: C03F FFFF

2047:
2046:
attic
variable
3: is at VAs
2: to
1: C00007FF
0:

OSPT

2047:
Serves VAs
BFC00000
4: to
3: BFFF FFFF
2:
1:
0:

2047:
2046:
OS stack
page
3: is at VAs
2: BFFF800
1: BFFF FFFF
0:

2047:
2046:
OS code
page 3
3: is at VAs
2: 8001000
1: 80017FF
0:

2047:
2046:
OS code
page 2
3: is at VAs
2: to
1: 8000 FFF
0:

OCPT

2047:
Serves VAs
80000000
4: to
3: 803F FFFF
2:
1:
0:

2047:
2046:
usr stk
page 1
3: is at VAs
2: 7FFF800
1: 7FFF FFFF
0:

2047:
2046:
usr stk
page 2
3: is at VAs
2: to
1: 7FFF7FF
0:

2047:
2046:
OS code
page 1
3: is at VAs
2: to
1: 800007FF
0:

USPT

2047:
2046:
Serves VAs
4: 7FC00000
3: to
2: 7FFF FFFF
1:
0:

2047:
2046:
usr code
page 1
3: is at VAs
2: 00000800
1: 00000FFF
0:

2047:
2046:
usr code
page 2
3: is at VAs
2: 00001000
1: 000017FF
0:

2047:
2046:
usr code
page 1
3: is at VAs
2: to
1: 800007FF
0:

UCPT

2047:
Serves VAs
00000000
4: to
3: 003F FFFF
2:
1:
0:

2047:
2046:
usr code
page 2
3: is at VAs
2: 00001000
1: 000017FF
0:

2047:
2046:
usr code
page 1
3: is at VAs
2: to
1: 800007FF
0:

Red: ranges controlled

serves all VA's
00000000 to FFFFFFFF

00400000
to
007FFFFF

80000000
to
803FFFFF

000010000
to
0000107FF

page directory

1023:	
1022:	
...	
769:	
768:	
767:	
766:	
...	
513:	
512:	
511:	
510:	
...	
257:	
256:	
255:	
...	
2:	
1:	
0:	

OAPT
2047:
2046:
Serves VAs
4: C0000000
3: to
2: 803FFFFF
1:
0:

OSPT
2047:
Serves VAs
4: BFC00000
3: to
2: BFFFFF
1:
0:

OCPT
2047:
Serves VAs
4: 80000000
3: to
2: 803FFFFF
1:
0:

USPT
2047:
2046:
Serves VAs
4: 7FC00000
3: to
2: 7FFFFFFF
1:
0:

UCPT
2047:
Serves VAs
4: 00000000
3: to
2: 003FFFFF
1:
0:

2047:
2046:
free page
list part
one
3: is at VAs
2: C03FF000
1: to
0: C03FF7FF

2047:
2046:
OS stack
page
3: is at VAs
2: BFFFF800
1: BFFFFF
0:

2047:
2046:
usr stk
page 1
3: is at VAs
2: 7FFFF800
1: 7FFFFFFF
0:

2047:
2046:
usr code
page 1
3: is at VAs
2: 00000800
1: 00000FFF
0:

2047:
2046:
free page
list part
two
3: is at VAs
2: C03FF800
1: to
0: C03FF7FF

2047:
2046:
OS code
page 3
3: is at VAs
2: 80001000
1: 800017FF
0:

2047:
2046:
usr stk
page 2
is at VAs
3: 7FFFF000
2: to
1: 7FFFF7FF
0:

2047:
2046:
usr code
page 2
3: is at VAs
2: 00001000
1: 000017FF
0:

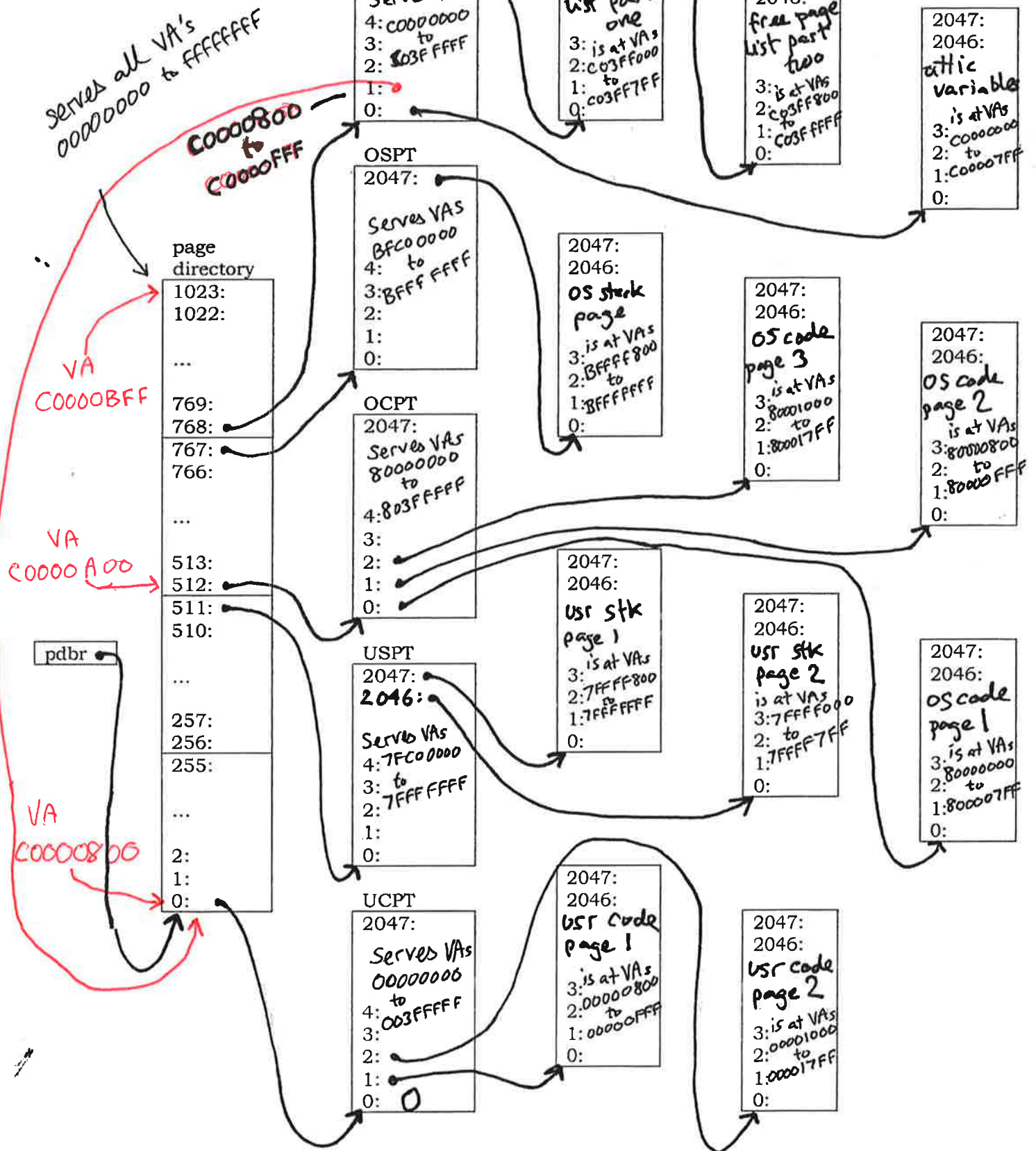
2047:
2046:
attic
variable
3: is at VAs
2: to
1: C00007FF
0:

2047:
2046:
OS code
page 2
is at VAs
3: 80000800
2: to
1: 80000FFF
0:

2047:
2046:
OS code
page 1
3: is at VAs
2: 80000000
1: 800007FF
0:

pdb

Red: Virtual Addresses



Red: Virtual Addresses

